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### **Company Overview**

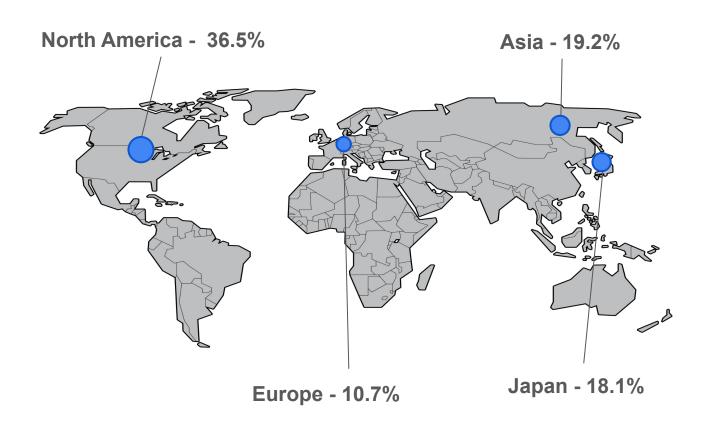






### **Revenue Breakdown by Region**





#### **Industry Analysis: Porter's 5 Forces**



1. Competition: Strong

2. Bargaining Power of Buyers: Strong

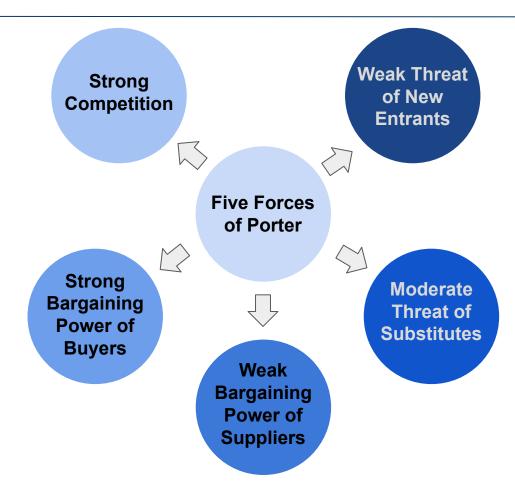
3. Bargaining Power of Suppliers: Weak

4. Threat of Substitutes: Moderate

5. Threats of New Entrants: Weak

#### **Industry Analysis: Porter's 5 Forces**





# **Industry Analysis I**



	Industry	Toyota
Equal Weighted Industry Return	0.69%	16.99%
Value Weighted Industry Return	2.59%	16.99%
Mean DPR	58.04%	33.33%
Mean Tax Rate	31.42%	32.05%
Mean after tax ROE	-0.42%	9%
Mean after tax Return on Invested Capital	-12.49%	15.92%
Median Gross profit	19.19%	17.23%
Mean Gross Profit	-2755.09%	17.23%
Median Net Profit	2.17%	6.79%
Mean Net Profit	-107772.06%	6.79%

# **Industry Analysis I**



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## **Industry Analysis II**



	Industry	Toyota
Mean ROA	1.43%	17.13%
Mean ROCE	-110.74%	22.34%
Mean ROE	-14.73%	9%
Median ROA	7.89%	17.13%
Median ROE	10.85%	9%

	Industry	Toyota
Mean D/E	7.05	100.40
Mean D/A	0.31	39.54
Mean D/Capital	-0.41	50.10

## **Industry Analysis II**



	Industry	Toyota
Mean ROA	1.43%	17.13%
Mean ROCE	-110.74%	22.34%
Mean ROE	-14.73%	9%
Median ROA	7.89%	17.13%
Median ROE	10.85%	9%

	Industry	Toyota
Mean D/E	7.05	100.40
Mean D/A	0.31	39.54
Mean D/Capital	-0.41	50.10

# **Industry Analysis III**



	Industry	Toyota
Cash Ratio	2.10	0.39
Current Ratio	3.52	1.10
Quick Ratio	2.89	0.88

	Industry	Toyota
Cash Conversion	185.82	112.50
Asset TO	1.13	0.52
Inventory TO	7.57	7.64
Payables TO	7.90	8.95
Receivables TO	9.80	3.46

# **Industry Analysis III**



	Industry	Toyota
Cash Ratio	2.10	0.39
Current Ratio	3.52	1.10
Quick Ratio	2.89	0.88

	Industry	Toyota
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# **DuPont Analysis**



Tax Burden	Adjustment Factor	Interest Burden	Operating Margin	Asset Turnover	Leverage Ratio	DuPont Adjusted ROE
66.82%	1.00	98.58%	10.02%	0.5233	2.60	8.981%

## **DuPont Analysis**



$$ROE = \frac{Net \, Income}{EBT} \otimes \frac{Adj}{Factor} \otimes \frac{EBT}{EBIT} \otimes \frac{EBIT}{Sales} \otimes \frac{Sales}{Assets} \otimes \frac{Assets}{Equity}$$

$$ROE = 66.82\% \otimes 1.0 \otimes 98.6\% \otimes 10\% \otimes 0.52 \otimes 2.0$$

### **Comparables Analysis I**



Comparable Companies	P/E	P/Sales	EV/Sales
Honda Motor Co	9.93	0.48	0.72
Kia Corporation	5.09	0.45	0.28
Mitsubishi Corporation	16.36	0.76	0.96
Mazda Motor Corporation	5.47	0.24	0.20
Average Comps	9.21	0.48	0.54

Multiplying by Toyota's EPS:

Equity Value = 203.23

Multiplying by Toyota's Sales per share:

Equity Value = 104.16

Enterprise = 116.23

## **Comparable Analysis II**



Equity Value Calculation - Toyota (in Billion USD)	
Toyota Debt	33.96
Toyota Cash	12.33
Net Debt	0.14
Net Debt / Shares Outstanding	0.001
Net Debt (per share)	107.31

 $Equity\ Value\ per\ share = EV-Net\ Debt$ 

Equity Value per share = **8.92** 



 $Equity \ Value = Average \ equity \ values$ 

Equity Value = **105.43** 

#### **Dividend Discount Model Valuation**



DDM TOYOTA MOTORS	
EXPECTED GROWTH RATE	5.85%
CURRENT ANNUAL DIVIDEND	\$ 4.00
RISK FREE RATE	4.28%
ESTIMATED MARKET RETURN	10.28%
ВЕТА	0.5
1 YEAR FORWARD DIVIDEND	\$ 4.23
DISCOUNT RATE	7.28%

DDM Fair Value = **\$296.34** 

**VS** 

Real stock value as of 03/28 = **\$251.83** 

## **Free Cash Flow Model Assumptions**



Sales Growth	Increase from 4.81% to 5.81%
Current Assets/Sales	Decrease from 46% to 43%
Current Liabilities/Sales	Increase from 64% to 67%
Net Fixed Assets/Sales	Constant 35%
Costs of Goods Sold/Sales	Decrease by 1.5% YOY (initially 83%)
Depreciation Rate	Increase from 5.66% to 6.66%
Interest Rate on Debt	Increase from 0.25% to 1.25%
Interest Paid on Cash + Marketable Securities	Increase from 2.54% to 3.54%
Tax Rate	Constant 25%
Dividend Payout Ratio	Increase by 5.81% every other year

#### **Free Cash Flow Model Valuation**



FCFF Fair Value = **\$291.30** 

**VS** 

Real stock value as of 03/28 = \$251.83