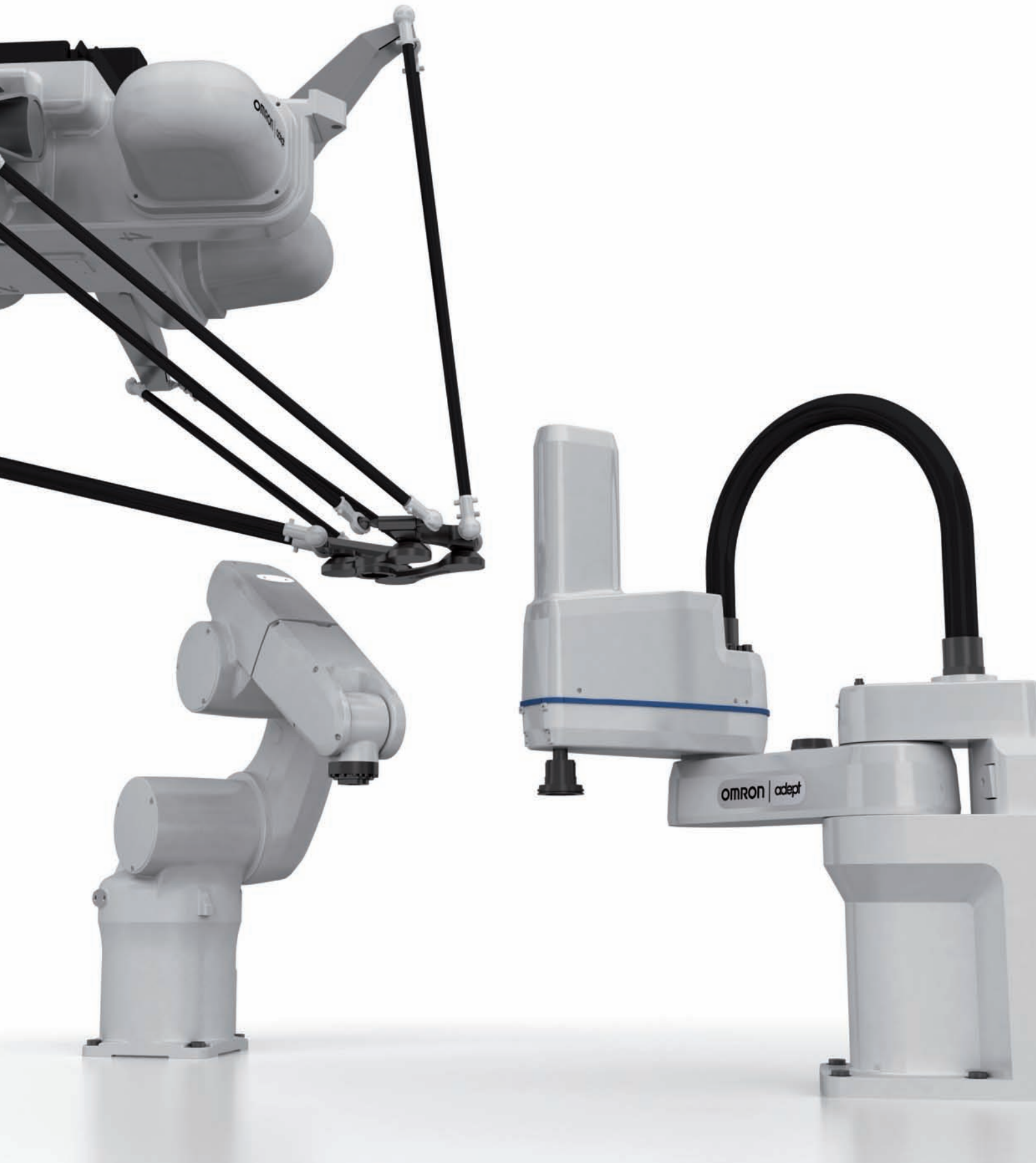


OMRON

Omron Robotic Automation

Complete automation expertise



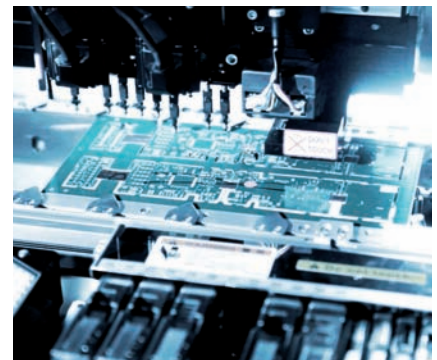
Omron Robot Solution

Flexible manufacturing enabled by a seamless integration of Robots and Machine Control

Omron's unique combination of software and control architecture addresses the factory automation challenges from producing a high variety mix of products with short product lifecycles that require rapid production line changeovers.

The common controls, integrated software architecture and development environment meet current and future needs for ease of process design, flexible operation and predictable maintenance. The flexibility and agility of our solutions is ideal for industries such as *Food and Beverage, Automotive and Electronics*.

- ✓ **Rapid changeover enabled** by easy to use software - automatically generate code.
- ✓ Application specific solutions for **Packaging** and **Assembly** operations.





Complete automation expertise

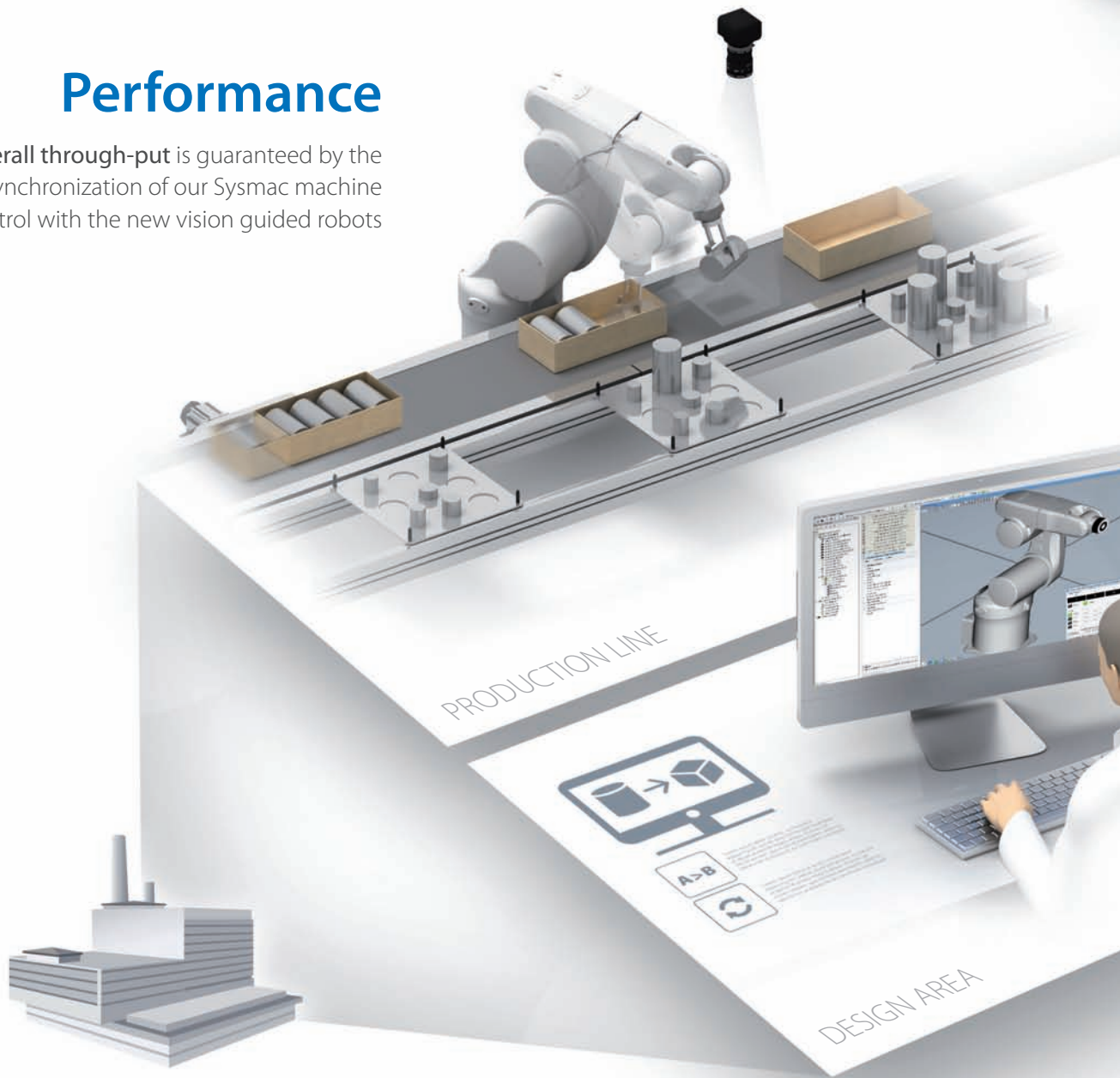
Experience matters

The Omron's 5 benefits

The new Omron Robotic Automation enhances the most demanding manufacturing lines providing **5 main benefits**

Performance

Overall through-put is guaranteed by the synchronization of our Sysmac machine control with the new vision guided robots



Smart Factory



Quick Delivery

5 huge automated warehouses to provide parts in short time.

Simple

Shortening the startup and maintenance time by the integrated software environment that controls the line.

Efficient

All the production data coming from robots, controllers, sensors are collected, shared and managed to **optimize the productivity.**

Flexible

Software assisted system generates automatically the new programming code.

Complete Automation Solution

for factory automation and machine control

200,000 products

Control

- Machine controller, HMI and I/O
- IoT by connecting a controller directly to database.



Robots

- Parallel, SCARA and Articulated robots for Packaging and Assembly applications



Vision

- Quality control and inspection
- Product position and orientation detection for Pick&Place applications





80 years designing and manufacturing automation solutions

Motion

- Rotary servo motor, linear motor and Frequency inverter



Safety

- Complete lineup: Safety sensors, Controllers and Actuators



Sensing

- Photoelectric, Inductive, Rotary encoder, Mark/Colour, Fiber optic and Mechanical sensors



A close-up photograph of an Omron Adept robotic arm in a factory environment. The arm is white with blue accents and a black corrugated cable. It is positioned over a blue plastic bin. The background is a blurred industrial setting with other machinery and structural elements.

Feasibility study

by experts in Automation

OMRON | adept

Global collaborative network

Machine Automation and Robotics expertise provided by an **unique and global team.**



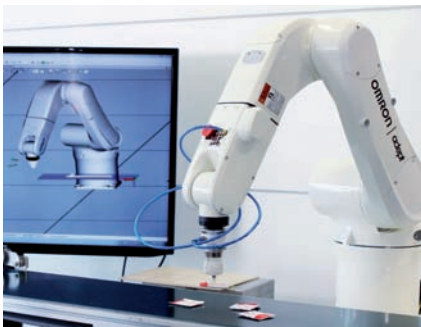
40 COUNTRIES

150 LOCATIONS

3,000 APPLICATION ENGINEERS

Give us a call / Send your sample / Our experts can study your application

We can evaluate all the aspects concerning the most demanding applications. Robotics handling, Vision inspection, Motion and Safety functions can be simulated and tested in our robotics and automation centers supporting you around the world.



Simulations



Test with real products



Company names and product names in this document are the trademarks or registered trademarks of their respective companies.
The product photographs and figures that are used in this catalog may vary somewhat from the actual products.
Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.

Note: Do not use this document to operate the Unit.

OMRON Corporation **Industrial Automation Company**
Kyoto, JAPAN

Contact: www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31)2356-81-300/Fax: (31)2356-81-388

OMRON ASIA PACIFIC PTE. LTD.

No. 438A Alexandra Road # 05-05/08 (Lobby 2),
Alexandra Technopark,
Singapore 119967
Tel: (65) 6835-3011/Fax: (65) 6835-2711

OMRON ELECTRONICS LLC

2895 Greenspoint Parkway, Suite 200 Hoffman Estates,
IL 60169 U.S.A.
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

OMRON ADEPT TECHNOLOGIES, INC.

4550 Norris Canyon Road, Suite 150, San Ramon, CA 94583 U.S.A.
Tel: (1) 925-245-3400/Fax: (1) 925-960-0590

OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower, 200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

Authorized Distributor:

© OMRON Corporation 2016 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

CSM_1_1_0516

Cat. No. I824-E1-01

0516(0516)