

Munich, May 31, 2016

Press Release

AUTOMATICA 2016: Robotics

INTRODUCING A NEW ROBOT GENERATION

Ivanka Stefanova-Achter
Tel. +49 89 949-21488
Fax +49 89 949-97-21488
ivanka.stefanova-achter@
messe-muenchen.de

For the first time this year, all renowned robotics manufacturers with innovations across the board will be at [AUTOMATICA](#) in Munich from June 21 to 24. Gone are the days when progress was defined by improvements in details. This time solutions are signaling a new era of automation with new approaches that do justice to the demands of human-robot collaboration (MRC) and Industry 4.0.

The robotics business around the world is booming. The [World Robot Association IFR](#) reported a global sales record of eight percent in 2015 in the industrial robot sector. The number of industrial robots sold worldwide reached the mark of 240,000 units for the first time.

"The worldwide sales of industrial robots in 2015 confirmed that we are in very exciting times for the robot industry," Per Vegard Nerseth, Managing Director at [ABB Robotics](#), stated. "With the start into 2016, the traditional drivers in our industry are being complemented by a huge demand for solutions in the Internet of Things (IoT) as well as the services & people areas. I believe that this development will result in a new record year."

MRC: A new generation of robots is ready for the market

Collaborating robots are paving a revolutionary new way for SMEs to automate their production on an optimum technical level and consequently secure their competitive position while cutting costs. Manufacturers are taking different approaches in developing their collaborative robots. While one faction, including [ABB](#), [Kuka](#), [Universal Robots](#), [Yaskawa](#) and Co. relies on

Messe München GmbH
Messegelände
81823 Munich
Germany
www.messe-muenchen.de

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special machines for MRC, [Stäubli](#) and [Fanuc](#) design their standard robots for MRC applications. A big advantage for AUTOMATICA visitors: All major robot manufacturers are represented at the trade fair, which enables a direct comparison of these solutions.

Industry 4.0 and MRC

Stäubli will highlight the performance of his new TX2 six-axle series in a variety of demonstration applications at its largest ever AUTOMATICA booth. In a realistic smart factory, different TX2 models in several linked cells put their Industry 4.0 compatibility as well as their collaborative skills to the test. The mobile, autonomous robot system HelMo will be employed for the first time, which makes mobile use possible for the TX2 six-axle robot.

You can also see the major trends in robotics of highly flexible and tightly networked I4.0 production concepts, intuitive operation of robots and MRC solutions at Kuka. In networked production installed at its booth, Kuka is linking its products designed for Industry 4.0, including the mobile KMR iiwa and the [Swisslog](#) shelving system Cyclone Carrier, a prime example of a modern production concept. Via the Swisslog software Warehouse Manager WM 6, all components of the smart factory are able to communicate with each other and provide information about the respective order status.

Green "CR World" on the "Yellow Highway"

With 24 system partners, [Fanuc](#) is exhibiting the full range of robotics on the "Yellow Highway". New features include the collaborative robot CR 7iA and the heavyweight M-2000iA with a payload of 2,300 kg. Another highlight is the "Green CR World", in which simple application examples as well as unusual use ideas for collaborative robots can be seen. There is also plenty of space for the ideas and solutions of system integrators on the 3,000 square meter booth. New integrators have joined the partners of the first AUTOMATICA fairs. "As a result, we expect a record number of participants this year," Olaf

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Kramm, Managing Director of Fanuc Germany, stated with obvious pleasure; he will be accompanied by his international team at AUTOMATICA.

The importance of AUTOMATICA as platform for the robot market and the outstanding success of FANUC Germany have aroused the curiosity of Dr. Yoshiharu Inaba. The President and CEO of FANUC Corporation wants to get a direct overview of the German and European markets, as well as meet customers and system integrators at the "Yellow Highway". For this reason the top management of FANUC Corporation will visit the AUTOMATICA in Munich for the first time.

Yaskawa is also betting on the known fashionable topics, but it also has new robot on board. Bruno Schnekenburger, Division Director Robotics at Yaskawa Europe, stated: "We are going to introduce a newly developed model for MRC applications for the first time in Europe at AUTOMATICA with the Motoman HC10. The robot is extremely slim, so it can be integrated optimally into cramped spaces." The new GP series with the Motoman GP7 and GP8 also has a similar slim design. These robots will score with speed, ranges and interfaces for integration into automation environments on the Industry 4.0 level.

AUTOMATICA shows the complete range of automation

In line with current requirements in the digital manufacturing era, [Fraunhofer IPA](#) is presenting different exhibits covering the fields of people at the workplace, products and automation as well as IT infrastructure and networking. Consequently, they demonstrate the added value of production in the sense of Industry 4.0.

In addition to the hot topics, AUTOMATICA is also showing the world of conventional robotics from vision sensors to spot welding guns and all the way to heavy-duty robots. "AUTOMATICA illuminates all facets of automation,

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and all major exhibitors of the industry are represented. Consequently, this fair is the most important event this year for many exhibitors. It will show the extent to which visions of future automation have become reality," Gerald Vogt, Managing Director of Stäubli Robotics, stated.

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About AUTOMATICA

AUTOMATICA is an international trade fair for robotics and automation and the central meeting point for manufacturers and users of integrated assembly solutions, robotics, machine vision and professional service robotics. At the last event in 2014, a total of 724 exhibitors from 42 countries presented their products and solutions; 34,493 visitors from more than 100 countries came to the Munich trade fair. Messe München GmbH and VDMA Robotics + Automation, conceptual sponsor of the trade fair, are behind the industry-driven concept of AUTOMATICA. AUTOMATICA takes place every two years. The next fair will be in Munich on June 21 to 24, 2016.

About Intersolar Europe

[Intersolar Europe](#) in Munich is the leading trade fair for the solar industry and its partners. It has brought international players in the industry together for 25 years. Parallel to Intersolar Europe, [ees Europe](#) takes place annually, Europe's largest trade fair for batteries and energy storage systems.

Messe Muenchen

Messe München is one of the world's leading trade-show companies. It organizes some 40 trade shows for capital and consumer goods and key high-tech industries in Munich alone. 14 of those events are number 1 in the world in their respective industries. Each year more than 30,000 exhibitors and some two million visitors take part in events held at the Messe München trade-fair center, the ICM – Internationales Congress Center München and the MOC Veranstaltungszentrum München. In addition, Messe München organizes trade shows in China, India, Turkey, Russia and South Africa. Messe München has a global business presence with affiliates in Europe, Asia and Africa and more than 60 foreign representatives serving more than 100 countries.

Contact for the press:

AUTOMATICA

Ivanka Stefanova-Achter – PR Manager, Messe München
Tel. (+49 89) 949 - 21488
Email: ivanka.stefanova-achter@messe-muenchen.de

VDMA Robotik + Automation

Patrick Schwarzkopf, Managing Director VDMA Robotik + Automation
Tel. (+49 69) 6603 - 1590
Email: patrick.schwarzkopf@vdma.org; <http://rua.vdma.org/>

IT2Industry [more information](#) und [contact](#)