



KUKA showcases sensitive robotics for complex industrial and medical applications at ICRA 2019

Augsburg/Montreal, May 2019 – KUKA is exhibiting an innovative project on automated assembly and showcasing highly innovative robot-based medical technology at the International Conference on Robotics and Automation (ICRA) from 20-24 May 2019.

At one of the most important international events for the robotics community in Montreal, Canada, KUKA is presenting an application in which robots can grasp and assemble objects, even when these are not located in a precise position. “Robots are becoming more capable of learning, can adapt themselves to altered conditions in the production process and can be used more flexibly”, says Dr. Rainer Bischoff, Head of KUKA Corporate Research. “This enables them to provide better support – even with complex applications.”

Safe joining of imprecisely positioned components with sensitive robotics

The KUKA application at ICRA demonstrates the potential in industrial applications for intelligent robots that are capable of learning. Here, the sensitive KUKA LBR iiwa lightweight robot joins components that have been placed randomly on a table beforehand. For this, the operator moves the robot manually to the approximate position of the components. Once the LBR iiwa has fine-positioned the components, it fits them together precisely.

KUKA at the Medical Robotics Workshop

In the operating room of the future, robots and surgeons will work closely together. The “Next Generation Surgery” workshop explores how humans and machines can better collaborate by means of machine learning and the seamless integration of robots into the operating room. KUKA is giving two lectures and presenting KUKA’s own innovations in the field of Medical Robotics as well as selected contributions from the finalists for the KUKA Innovation Award, which this year worked on the theme of “Healthy Living”. The key component

KUKA Aktiengesellschaft

Your contact:

Katrin Stuber-Koeppe
Press Spokesperson
Head of Corporate Communications

T +49 821 797 3722
F +49 821 797 5213

press@kuka.com
twitter.com/KUKA_press
blog.kuka.com



for this is the LBR Med, the world's first lightweight robot certified for integration in medical products.

Click here for further information on this year's KUKA Innovation Award:
www.kuka.com/innovation-award

KUKA

KUKA is a global automation corporation with sales of around 3.2 billion euro and roughly 14,200 employees. As one of the world's leading suppliers of intelligent automation solutions, KUKA offers customers everything they need from a single source: from robots and cells to fully automated systems and their networking in markets such as automotive, electronics, general industry, consumer goods, e-commerce/retail and healthcare. The company is headquartered in Augsburg. (As at 31 December 2018)