



MEDICAL JAPAN 2018: KUKA showcases the LBR Med robot performing a “Haptic Ultrasound” demo

At Japan’s largest trade fair for the medical technology sector, KUKA is showcasing an LBR Med ultrasound demo. It represents a potential application in which sensitive robots can assist physicians.

Augsburg/Osaka, January 2018 – MEDICAL JAPAN, consisting of seven specialized shows, covers all the products, services and technologies for healthcare, clinical testing, diagnostics and medicine. KUKA’s trade fair presence, as co-exhibitor on the pavilion of the Bavarian Ministry of Economic Affairs and Media, Energy and Technology, is focused on one robotic assistance system: an LBR Med ultrasound demo.

“Haptic Ultrasound” is a robot-based application for demonstration purposes. The robotic arm of the LBR Med – the world’s first robotic component certified for integration into a medical product – is equipped with an ultrasonic probe and performs exactly those motions specified by the fair visitor using a haptic input device. This allows visitors to feel the force feedback on a special phantom, which is used as a model. The ultrasound then generates images in real time, which are delivered to monitors. It can be seen at first hand by visitors to Booth 19-53 in Hall 5 from 21 to 23 February 2018. Of course, this is just one possibility of how the sensitive robotic component LBR Med can assist physicians in a medical application.

Michael Otto, Vice President of the Healthcare & Advanced Robotics Division at KUKA Roboter GmbH: “The robotic assistance systems developed in cooperation with our medical product manufacturers make us the leading supplier of technology for customers in the medical technology sector. With our application developments, we

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aim to make a major contribution to patient safety and also to meet the high requirements on medical technology.”

KUKA

The KUKA Group is a global automation corporation with sales of around 3 billion euro and roughly 13,200 employees. As one of the world’s leading suppliers of intelligent automation solutions, KUKA offers customers everything they need from a single source: from components and cells to fully automated systems for the automotive, electronics, consumer goods, metalworking, logistics/e-commerce, healthcare and service robotics industries. The Group is headquartered in Augsburg.