

Press Release



Würth Elektronik Circuit Board Technology honoured as ‘Innovator of the Year’ for INTAKT research project

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Würth Elektronik Circuit Board Technology (CBT) has once again been recognised for its innovative strength. Around 1,200 readers of the professional journals DESIGN&ELEKTRONIK and Medizin+Elektronik were asked to vote for their innovators of the year in ten categories. At the end of October Dr Jan Kostelnik, Head of Research and Development at Würth Elektronik CBT, and Dr Alina Schreivogel, R & D project manager at Würth Elektronik CBT, accepted the award in the ‘Electromechanics’ category in Munich. Würth Elektronik CBT was honoured for its contribution to interactive microimplants within the BMBF innovation cluster INTAKT.

The goal of INTAKT, which is coordinated by the Fraunhofer Institute for Biomedical Engineering (IBMT), is to develop the next generation of active integrated implants that solve complex medical questions. The developmental focus of these innovative adaptive systems lies in a completely redesigned interaction between humans and technology; specifically between the patients and their implants as well as the attending physician.

As a member of the cluster, the electronics specialist Würth Elektronik CBT has taken on responsibility for the development of the electronics for the

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implant. As a result, Würth Elektronik CBT was able to come up with a thin and mouldable circuit carrier, with which the limits of miniaturisation were advanced while functionality is simultaneously increased. This is achieved by integrating sensors, ASICs and energy components into the PCB. Proven integration technologies allowed space to be saved, but moreover, it allowed the implants to be discreetly placed in the body while also retaining reliable effectiveness.

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This project should result in technology that can be used as a foundation for a wide variety of medical applications. These applications include suppressing tinnitus, improving hand grip as well as treating gastrointestinal motility disorders.

About Würth Elektronik Circuit Board Technology (CBT)

Würth Elektronik Circuit Board Technology was founded in 1971 and has established itself as one of the leading PCB manufacturers in Europe. Developers are able get standard circuit boards, new and innovative technologies and even complete system solutions all from one source. Here at Würth Elektronik, we cover the entire product life cycle, from the initial idea for a design, for example during early R&D projects, to the production of prototypes on the online shop WEdirekt and finally, manufacturing of medium and large volumes in Germany or Asia. Knowledgeable specialists are not just located at our German plants. Internationalization is an important strategic aspect for Würth Elektronik. We have numerous sales teams set up across many European countries.

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Every day more than 120 new PCB designs enter our production. We have over 4,700 customers, ranging from large corporations to one-man designers. In addition to the personal care provided through our dense network of over 100 internal and external sales people, customers also have the option to purchase printed circuit boards online through the easy to use online shop, WEdirekt.

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