



Micro Systems Technologies
engineering for life

Life-saving Energy Sources from Pirna



High-Performance Batteries from LITRONIK for active medical Implants



LITRONIK Batterietechnologie GmbH is one of the few providers of compact, highly reliable batteries for active implants worldwide. Since 1990, LITRONIK has been developing and manufacturing these high-performance energy sources in various performance ranges, and with very high energy or power densities, low self-discharge rates and high operational reliability, at its Pirna site, which employs around 350 people today. LITRONIK delivers customer-specific solutions as well as standard products, to various pacemaker, defibrillator and neurostimulator manufacturers both within and outside Europe. The batteries are manufactured in special dry rooms and the processes and materials are 100% traceable. LITRONIK uses its extensive expertise to consistently develop compact batteries that deliver higher performance levels, thus making ever more compact implants possible. LITRONIK is certified in accordance with EN ISO 13485:2016 and is part of the MST Group.



Micro Systems Technologies

The Micro Systems Technologies Group (MST) – with its innovative products and services – focuses on high-tech industries, miniaturisation, exceptional performance and maximum reliability. Examples can be seen in medical technology, aerospace, telecommunications and industrial electronics.

The MST Group comprises four technology companies with more than 1,100 employees in three countries, providing integrated solutions for their customers, and operates worldwide, from design through to volume production.

The product range includes highly complex printed circuit boards, ceramic substrates, design and production of electronic modules, state-of-the-art board assembly and semiconductor packaging processes as well as batteries for medical implants.

LITRONIK provides Primary Batteries in three Performance ranges.

High Energy Batteries with Lithium Iodine Technology

For implantable pulse generators, e.g. pacemakers.



Medium Rate Batteries with Lithium Manganese Dioxide Technology

For implants requiring medium pulse power due to data telemetry.



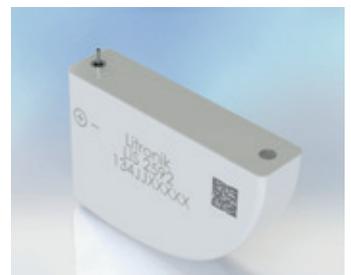
Medium Rate Batteries with Lithium Carbon Monofluoride Technology

For implantable monitors, sensor systems or pulse generators.



High Power Batteries with Lithium Manganese Dioxide Technology

For implants that call for the highest level of pulse power such as defibrillators.



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