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Amada Miyachi Europe showcases versatile laser welding and resistance welding solutions Medtec Europe

[Amada Miyachi Europe](http://www.amadamiyachieurope.com) announces that it will highlight a range of laser and resistance welding solutions deal for the medical industry at Medtec Europe, to be held 12-14 April, 2016, at Messe Stuttgart, in Baden-Württemberg, Germany, stand 7B29. On display will be the JUPITER Fiber Laser Welding System, ideal for spot welding surgical tools and seam welding implantable devices, as well as a vacuum chamber module that can be integrated into a pacemaker welding system. Also to be showcased is the Series 320 low force electronic weld head, a resistance spot welding head ideal for medical applications requiring precise position and force control.

The MIYACHI EAPRO Jupiter Fiber Laser Welding System on display is designed for fast, accurate and reliable welding on all kinds of surgical tools and medical devices, including hearing aids, catheters and brachyseeds. The Jupiter system can be connected to Pulsed and (Quasi-) Continuous Wave lasers with Single- and Multimode beam quality. This allows the platform to be configured as the ideal lab- and production solution for hermetic, seam- and spotwelds for the smallest products, even below 50 microns. to suit the quality and traceability required for medical applications.

Premiering on this show is the laser vacuum chamber module specially designed for laser welding metal packages under vacuum or shielded atmosphere. This module is designed as an additional offering to the conventional Amada Benchmark gloveboxes. By reducing the volume of the glovebox from approx. 1000 to 1 liter, the Vacuum- or Small Environmental Chamber (SEC) lowers helium gas consumption and required floor space significantly. It is designed to be integrated into the product line of Medical Implantable Device (MIDs) laser welding systems, which are used for manufacturing Implantable Pulse Generators (IPGs), Implantable cardioverter defibrillators (ICDs), Insertable Cardiac Monitors (ICMs), Cochlear Implants, Drug Pumps, etc.

The all-new Series 320 electronic weld heads on display are high precision low force heads designed specifically for applications requiring precise position and force control. The versatile resistance spot welding head has features that meet the process demands of microelectronics manufacturing, including inline and offset opposed electrode configurations and the ability to set displacement limits and use the weld-to-displacement feature to stop the weld precisely during collapse. It is also robust enough to endure industrial requirements and environments.

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About Amada Miyachi Europe

Amada Miyachi Europe is a leading manufacturer of equipment and systems for Laser Welding, Laser Marking, Laser Cutting, Resistance Welding, Hermetic Sealing and Hot Bar Reflow Soldering & Bonding. We customize our products around specific micro-joining applications for all our customers around the globe. Amada Miyachi Europe product markets include medical devices, battery, automotive, solar industry, electronic components and aerospace. We are an ISO9001 certified company. Contact Amada Miyachi Europe at infode@amadamiyachi.eu. Find out more about the company's products and services at www.amadamiyachi.eu.