
Technical Contact

Thomas Schreiner
+49 8105-3965-4320
thomas.schreiner@coherent.com

PR Contact

David Kuntz
+1 (310) 377-5393
davidkuntz@cox.net

For Immediate Release:

Coherent Offers Turnkey Solution for Precision Metal Parts Welding

Santa Clara, CA, September 18, 2019 – The new Coherent ExactWeld 230 is a turnkey solution for automated, precision laser welding of metal parts. It includes a 200 W (400 W optional) fiber laser, part clamping, up to four-axis (x, y, z, c), user friendly software, an optional vision system, and factory automation capabilities (Industry 4.0/IIoT ready). These features combine to maximize weld quality, and increase production yields, process consistency and operator productivity. ExactWeld 230 is an attractive choice for medical manufacturing such as endoscope production, as well as the fabrication of precision sensors, jewelry, timepieces and automotive electronics.

ExactWeld 230 also incorporates Coherent's innovative SmartWeld™ technology for producing complex "beam wobble" patterns, including circular and zigzag paths. SmartWeld™ enables bridging of larger gaps, which relaxes tolerances, increases process flexibility, and delivers welds with higher quality and reproducibility.

Unlike many competitive products, which address only part of the entire welding process (e.g. just a laser, part handling robotics or process monitoring equipment), Coherent ExactWeld delivers a complete, end-to-end solution. For example, a specific solution may include an integrated vision system for either operator or automated part monitoring, a pneumatically actuated precision fixturing (including sensors), and/or a rotary table for part loading/unloading. Plus, Coherent backs up ExactWeld with complete process development support to aid in the production of task-specific process recipes, and operator training to ensure operator proficiency. Furthermore, Coherent's global network of offices and service facilities provides ongoing local support for existing processes and continued process development.

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Founded in 1966, Coherent Inc. is one of the world's leading providers of lasers and laser-based technology for scientific, commercial and industrial customers. Our common stock is listed on the Nasdaq Global Select Market and is part of the Russell 1000 and Standard & Poor's MidCap 400 Index. For more information about Coherent, visit the company's website at <https://www.coherent.com> for product and financial updates.