

Corporate Profile

Swiss Tec AG

“We can cut a standard 8mm coronary stent in less than 30 seconds!”

--E. Fassbind CEO

Swiss Tec is a designer and manufacturer of high-end, laser machining systems for super-precision cutting, drilling and welding of micro parts. As a true prime solution provider, Swiss Tec works closely with its customers to ensure expectations are met and future technological developments are included.

Since 2000, Swiss entrepreneur Eduard Fassbind focused on a new concept of high-precision, high-speed micro machining equipment with little need for maintenance and supervision.



Today the company has more than a dozen employees — mostly engineering and research positions — and sales offices in Switzerland, UK, China and the US. Since February 2009, Swiss Tec has operated a production and engineering office in Tyrol, Austria. This office will soon expand into a full production facility.

The unique design of Swiss Tec Micro Machining Systems is raising the bar for intricate laser cutting and drilling. Proprietary CNC software runs the fibre and pico laser technology with a motorised beam expander and linear motion system with a navigation of 0.1 micron resolution.

Achieving a cutting speed in excess of 50 mm/sec, the Micro-T13 and T15 platforms are the fastest, most accurate laser cutting systems in their class (repeatable positioning accuracy 0.1 micron; min. kerf width 8–20 micron). Great ease of use (touchscreen, intuitive interface, auto-repositioning of cutting head, etc.) is combined with low maintenance, 24/7 operation, and the reassurance of Swiss quality engineering. Swiss Tec offers a free warranty that covers 2000 operating hours. Process traceability meets FDA requirements.

Customised platform configurations are available; proof of principle and work samples are provided free of charge.

Proprietary software components are available for processing design and simulation (CAM), control of beam delivery, and optimisation of processing speed and quality.

Additional options include automatic precision feeding and handling of work pieces, a work piece cleaning system, automatic nozzle re-positioning system, fingerprint or bar scanner for security, LAN- and Ethernet capability and a color CCD camera.

Swiss Tec is committed to helping companies implement innovative machining solutions and to achieve a high standard of quality, performance and competitive production costs.

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