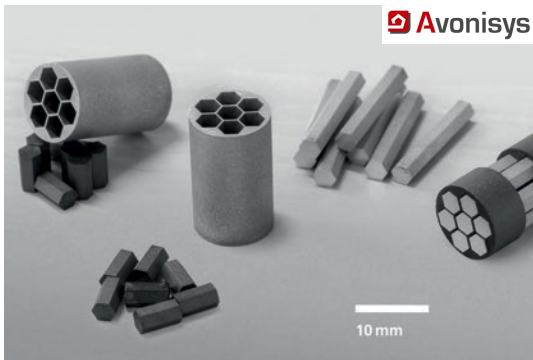


clean CUTTING | SITEC



Clean Cutting

With "Clean Cutting by SITEC" our waterjet-guided laser cutting offers significant advantages compared to conventional laser cutting and drilling technology. The results achievable with Clean Cutting are comparable to those of eroding processes.

Process advantages

- Excellent cutting edges
- Burr-free laser cutting of very thin sheets and foils
- Burr-free, cutting-edge-parallel separation of workpieces of up to 20 mm material thickness, depending on the material
- Reduced heat input
- Creation of holes with very high aspect ratios

Your SITEC solution

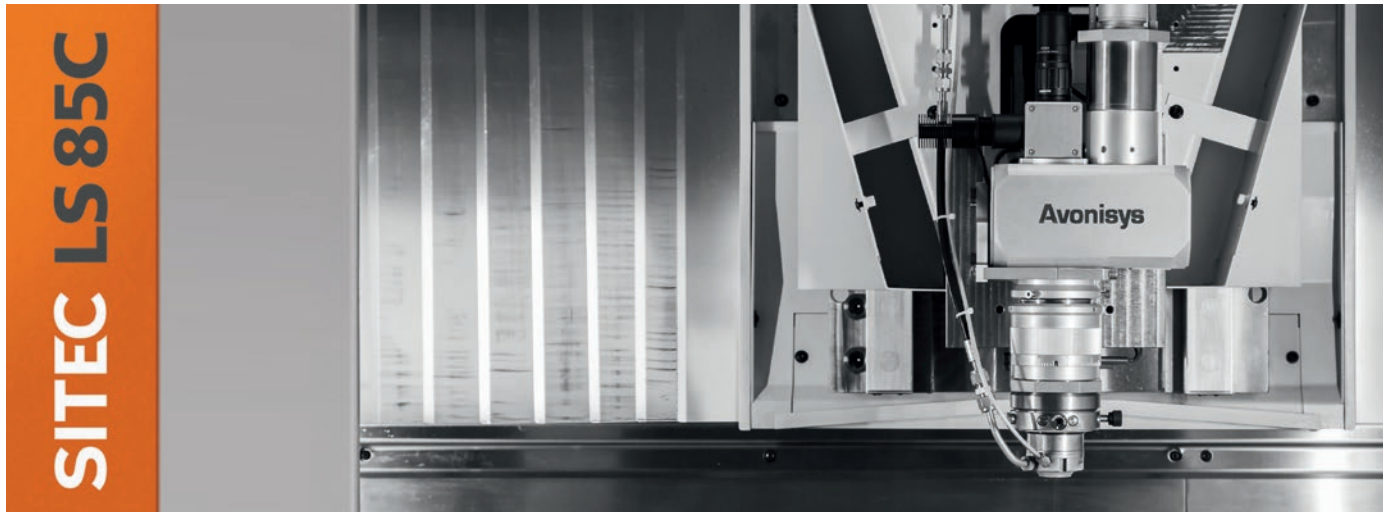
The well-known process of waterjet-guided laser cutting has been developed further by AVONISYS AG and the range of services optimized. The cooperation between AVONISYS and SITEC resulted in a holistic system solution of technology and extensively automatable CNC machining systems.

AVONISYS' modular system consisting of water treatment, beam shaping and processing optics has been successfully combined with the established laser machines of the LS series.

The standardized and maintenance-friendly solution can also be integrated into any of SITEC's automated and customized laser machines. In principle, a large number of solid-state lasers from a wide range of laser source manufacturers can be integrated into the process. Due to their reliability and low cost of ownership fibre lasers are preferably used.

Series production

Alternatively, SITEC offers you a ramp-up or series production on its in-house facilities and in certified quality according to ISO9001 and IATF16949.



Production solutions



Standardized Laser machine

- Laser standard machine of the LS series
- SIEMENS control
- OEM laser source
- Water treatment
- Beam shaping and processing optics
- Manual or automatic loading
- Specific fixture concepts
- Small footprint
- Short delivery times

As flexible as you!



Fully automated Laser machine

- Individually automated Laser machine, also as integrated solution
- SIEMENS control
- OEM laser source
- Water treatment
- Beam shaping and processing optics
- Manual or automatic loading
- Specific fixture concepts
- VARIOVIEW® traceability system

As focused as you!