



ALLMICRO 800

By using the extraordinary characteristics of the FEHA MICROSTORM™ laser we can offer an all-purpose laser micro machining system for a wide range of materials with the ALLMICRO 800.

Extraordinary potential for applications

The new MICROSTORM laser by FEHA LaserTec allows absolute new dimensions of application because of its extraordinary characteristics. The basic machinery of the ALLMICRO 800 is a high precise well proven mechanical system. So the ALLMICRO 800 provides the ideal platform to transfer the specific skills of both into precise applications.

The combination of the ALLMICRO 800 with the HYPERICO₂ laser allows processing of a wide range of classic applications - especially in the field of high precise micro machining.

The ALLMICRO 800 is configured to process a wide range of materials. Metallic as well as non-metallic substances – the technology of this system is prepared to handle the requests of modern processing tasks.

Pushing the limits of processing

To complete the opportunities of the ALLMICRO 800 a wide range of upgrades is available to master sophisticated requests of modern challenges in automatization.

Highlights

- Laser material processing for texturing, cutting, drilling, welding and hardening
- processing of metallic and non-metallic materials
- high precision processing – determined for micro machining by using the MICROSTORM™
- upgrading by additional modules for automatization
- easy operation and process monitoring because of large inspection windows

Tailored for application



Can you imagine the possibilities?

Machine Characteristics

- compact machine design – foot print only 2600 mm x 2300 mm
- dimensions of the working area: 1800 mm x 1000 mm x 1700 mm
- Class 1 Laser Machine
- Large inspection windows – easy process monitoring
- wide range of upgrades to service automatization requests

Technical Data:	
Dimension	2600 mm x 2300 mm x 2600 mm
Weight	5000 kg incl. Laser
Dynamics	Speed: 30 m/min optional 100 m/min acceleration: 1 m/s ² optional 3 m/s ²
Processing Range	X: 1000 mm Y: 800 mm Z: 400 mm
Accuracy	Positioning: ± 30 µm optional ± 10 µm Repeat: ± 15 µm optional ± 2 µm
Laser source	HYPERICO ₂ beam power up to 1650 Watt MICROSTORM™ – CO ₂ short puls laser – see data sheet
maximum load on table	150 kg

Application samples

- cutting and drilling of car interior textiles
- structuring of soda lime glass surfaces
- perforating of leather
- devarnishing of metal substrates

FEHA LaserTec GmbH

FEHA is a worldwide niche supplier in CO₂ laser and optics within high volume markets and high-tech solutions. FEHA offers the HYPERICO₂ high power CO₂ laser series and the MICROSTORM™ Q-switched high power CO₂ laser series.

