



ALLSIZE

The ALLSIZE is designed for laser processing of large-scale non metal-material like plastics, wood, textile or leather. Depending from material dimension different machine table sizes are available.

Universal usage

The ALLSIZE laser machine allows processing especially of non-metal, large-scale dimensioned material. The machine can be used for cutting, drilling, scribing and surface texturing of plastics, wood, textile or leather.

Large-scale, high speed material processing

The light but stiff construction enables high axis speed at a sufficient precision. The machine can

be configured with FEHA Laser sources up to 1650 Watt which allows the processing of thicker materials still not losing speed in operation.

According to the maximum dimension of the material to be processed a optimal size of the machine bed can be selected. The easy to use machine allows high productivity at low investment and operational cost.

Highlights

- Laser machine for cutting, drilling, scribing and surface texturing
- Processing of non-metal materials like plastics, wood, textile and leather
- Large-scale and fast 2D processing at low investment and operational cost
- Easy to operate
- Different processing format available

Tailored for application



Can you imagine the possibilities?

Machine Characteristics

- Steel frame construction with light metal bridge
- Steel belt Gantry drive
- Dimension of the workpiece between 1600 mm x 1000 mm up to 3100 mm x 2500 mm possible
- Class 1 Laser machine

Technical Data:	
Dimension	Depending on workpiece size: Length: 3250 mm up to 4750 mm Width: 2100 mm up to 3600 mm Height: 1375 mm
Work piece dimension	X-Axis: 1600 mm / 2100 mm / 2500 mm / 3100 mm Y-Axis: 1000 mm / 1300 mm / 1700 mm / 2500 mm Z-Axis: up to 100 mm
Dynamics	Axis speed max. 100 m/min
Accuracy	Positioning: $\pm 40 \mu\text{m}$ per meter work piece Repetition: $\pm 20 \mu\text{m}$
Laser source	HYPERICO ₂ beam power up to 1650 Watt MICROSTORM™ – CO ₂ short puls laser – see data sheet
Cutting head	Exchangeable optics focal length 5" / 7,5"

Application samples

- Cutting of textile
- Cutting of leather with MICROSTORM™ laser
- Cutting of cardboard
- Cutting of wood

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.

