



ALLCUT1000

Universal 2D laser cutting of metal and non-metal materials with high speed and precision is the most outstanding advantage of the ALLCUT in combination with FEHA CO₂ laser. As an option the machine allows an easy entrance in the welding application.

Universal usage

The universal laser cutting machine allows 2D material processing not only for metals. Customized material brackets e.g. rotary axis will widen the operational opportunities and allow the user to be creative. Further on different material handling systems can be optionally added like coil cutting systems.

High quality material processing

The basic machinery of the ALLCUT 1000 consists in a high precise well proven mechanical system using state of the art

technology. The stiffness of the natural stone portal and high dynamic drives allow a precise and fast operation. The flexibility and productivity of the ALLCUT 1000 allow competitive advantages.

Increase your diversity of service

Being able to process metal and non-metal materials in combination with flexible setup of the machine will widen your spectrum of provided services. It will help to satisfy all your customers needs and maintain your market position.

Highlights

- Material processing of metals like mild and stainless steel, non-ferrous metal and aluminium
- Material processing of non-metal like acryl glass, fused silica, wood and others
- Optional: convenient entrance into welding
- Precision and dynamics at low investment and operational cost
- Easy operation and process monitoring due to large inspection windows

Tailored for application



Can you imagine the possibilities?

Machine Characteristics

- Compact machine design by using hard rock portal
- Direct linear drives on X and Y axis
- Drives and control system - Siemens technology
- Dimension of the workpiece max. 1000 mm x 1000 mm
- Class 1 Laser machine
- Large inspection windows – easy process monitoring

Technical Data:	
Dimension	2570 mm x 2400 mm x 2200 mm
Weight	6000 kg incl. laser source (approx.)
Dynamics	Axis speed max. 100 m/min
Accuracy	Positioning: $\pm 20 \mu\text{m}$
Processing range	1000 mm x 1000 mm x 150 mm
Laser source	HYPERICO ₂ beam power up to 1650 Watt
Cutting head	High pressure sensor head Exchangeable optics focal length 5" / 7,5"

Application samples

- Cutting of stainless steel and brass
- Drilling and cutting of stainless steel
- Drilling of fused silica
- Cutting of acryl glass

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.

