

## ERMAK FIBERMAK SM 6000.3 x 1,5 (1125-7286)



**Control type**  
CNC

**Construction year**  
NEU

**Machine no.**  
1125-7286

**Make**  
ERMAK

**Location**  
49779 Niederlangen

### Furnishing:

- Resonator Ytterbium YLS 4000 compact
- Beckhoff controller
- Precitec ProCutter Automatic cutting head
- autom. Lubrication system
  
- CAD / CAM software LANTEK EXPERT CUT
- 17" touchscreen, keyboard, control panel
- Collective conveyor under the cutting table
- additional loading unit

### Cutting capacities:

- normal steel 25 mm
- stainless steel 15 mm
- aluminum 12 mm
- brass 8 mm
- copper 8 mm

Axes:

- Machine axes: 4 axes (X, Y, Z, U)
- max.axis speed: 100 m / min (simulated)
- Axis speed X / Y: 100 m / min (single)
- Positioning accuracy: + - 0.03 mm / min
- Burning height: 125 - 200 mm

Loading table:

- Number of pieces 2 (35 seconds for changing)
- automatic change of tables
- max.load 2,500 kg.

assisting gases:

- mild steel - oxygen (0.5 - 25 bar)
- stainless steel - nitrogen (0.5 - 25 bar)
- Aluminum - compressed air or nitrogen (0.5 - 25 bar)

including:

- Compatible suction system
- Sick light barrier safety device
- Spare part basic supply package

Why Fibermak?

- Up to 3 times faster cutting compared to other laser technologies
- Machines for cutting thin sheets
- axes equipped with linear motors /

Servo motors reach up to 141 m / min.

- Accelerations up to 2G
- Fiber laser is the green laser technology

(Saving of at least 50% energy costs)

- There is no need for laser gas mixing
- There is no need for optical

Components / therefore very low-maintenance

- Save up to 50% per part through more efficient production

- Extended options: cutting from

reflective materials

like aluminum, copper, brass etc.,

- In addition, precise cuts and smooth surface quality
- Heavy-duty constructed frame, equipped with world-famous, durable, high-quality components
- ERMAK passes the price advantage on to its customers thanks to its fast and high quality production
- Creative design, constant, highest technology and quality
- High reliability
- High efficiency
- High quality
- CE declaration

## Machine attributes

table length:	3000 mm
table width:	1500 mm
burner heads:	Precitec ProCutter
laser capacity in Watt:	6000
x-axis:	3050 mm
z-axis:	150 mm
y-axis:	1550 mm
total power requirement:	21 kW
dimensions:	9190 x 3710 x 2200 mm
weight of the machine ca.:	11200 kg

## Machine images





