Laser cutting machine HD-FN 6020

Model	HD-FN 6020
Brand	HESSE by DURMA
Condition	new
Cutting area	6100 x 2070 mm
Laser power	6 kW
Origin	Türkiye

approx. 12 - 14 weeks from order

€ 253.800,00



General characteristics

Laser power	6 kW
Manual table / shuttle table	Shuttle table
Max. sheet thickness - mild steel	16 mm
Max. thickness - stainless steel	15 mm
Max. thickness - aluminium	20 mm
Max. Application Range - Copper	5 mm
Max. Application Range - Brass	8 mm
Total power	29,9 (mit Absaugung) kW
Cutting area	6100 x 2070 mm
X-axis	6100 mm
Y-axis	2070 mm
Z-Axis	125 mm
Max. Sheet size	6096 x 2032 mm
Max. sheet weight	240 (für 3 - 12kW) / 400 (für 15 - 20kW) kg/m²
Max. total weight for double table	5800 (für 3 - 12kW) / 9600 (für 15 - 20kW) kg
Max speed x-axes	100 m/min
Max speed y-axes	100 m/min
Max. speed simultaneous	141 m/min
Max. acceleration	14 m/s²
Positioning accuracy	+/- 0,05 mm
Repeat accuracy	+/- 0,05 mm
Table change time	42 s

Dimensions and weight

Description

The HD-FN has two tables which are automatically switched alternately to enable simultaneous cutting and loading/unloading.

The shuttle table is positioned longitudinally, which results in the best possible accessibility for optional loading and unloading systems.

Control, laser source and cooling are integrated into the machine. The cutting head has automatic focus adjustment.

The system consists of the following components:

Shuttle table (positioned longitudinally for best possible accessibility for optional loading and unloading systems)

Encapsulated cutting room with protective glazing

CNC graphic control with touchscreen

Laser source Brilase Premium

Cutting head with automatic focus adjustment

Integrated cooling unit for cutting head and laser source

CAD/CAM software Lantek for programming including autonesting

Positioning laser

Sheet check system (automatic detection of sheet position and dimensions)

Automatic nozzle cleaning

Central lubrication

Slug box

Working area lighting

Multi-chamber suction system

Light barrier protection for the changing table

Remote maintenance access

Air condition for electrical cabinet

Equipped according to CE guidelines

Alternative laser sources:

Material	6 kW	12 kW	15 kW	20 kW
Mild steel S235	25	30	35	40
Stainless steel (304)	15	25	35	40
Aluminium (5083)	20	30	35	40
Copper	10	15	15	15
Brass (CuZn39 Pb3)	12	20	20	20

Options:

Suction unit with filter

Automatic nozzle change

Further information

Brochures

- Katalog Laserschneidanlagen Durma
- HD-FN 6020 technical data sheet

Product video

- upqlm7w6onq.youtube

Notice

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