

### fiber laser HESSE by DURMA HD-FL 3015

model:	HD-FL 3015
year of construction:	new
cutting area:	3.060x1.550 mm
laser power:	2 kW
stocknumber:	2326
delivery time:	immediately, subject to prior sale
special price	<b>€345.000,-</b> (instead of €389.600,-)



#### technical data

cutting area:	3.060 x 1.550
laser power:	0,2 - 2,0 kW
wavelength:	1.070 - 1.080 nm
polarization:	random
max. pulse frequency:	5,0 kHz

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average power consumption:	45,0 kWh
application range:	
mild steel:	15,0 mm
stainless steel:	6,0 mm
aluminium:	5,0 mm
copper:	5,0 mm
brass:	6,0 mm
working range:	
x-axis:	3.060 mm
y-axis:	1.550 mm
z-axis:	200 mm
dynamic and precision:	
max speed x- and y- axes:	200 m/min
max. speed simultaneous:	280 m/min
max. acceleration x- and y- axes:	20 m/s <sup>2</sup>
max. acceleration simultaneous:	28 m/s <sup>2</sup>
positional accuracy:	+/- 0,03 mm
repeatability:	+/- 0,03 mm
dimensions:	
lay-out area:	10.150 x 4.050 x 2.420 mm
weight:	12.000 kg

## equipment

### fiber laser HESSE HDFL made by DURMA

The laser power source (resonator) of the HDFL series is an YAG or all-solid-state fiber laser without the need of any laser gas.

The fiber laser light is brought to the cutting head by a flexible glass fiber cable requiring no mirrors.

This technology reduces the amount of maintenance to a minimum and offers the lowest possible running cost with a wall-plug efficiency of 30 %.

**This fiber laser will cut faster at lower operational cost than any CO2 laser at the same power.**

It makes the machine very economical, fast and easy to handle.

### The machine consists of the following components:

#### **capsuled cutting room with safety glass**

-X-axis with massive gantry-drive by SIEMENS linear motors

-Y-axis by SIEMENS linear motors

scrap conveyor for small parts and waste

**shuttle table for simultaneous loading/unloading and cutting to reduce the secondary processing time**

**CNC control SIEMENS Sinumerik with grafic display (Made in Germany!)**

- technology and cutting parameter data bank with presets for common metals

**laser source I.P.G. YAG-2000 (Made in Germany!)**

**autofocus-cutting head PRECITEC with integrated and adjusted sensor technics and mororized focus position adjustment (Made in Germany!)**

**exhaust unit with filters**

**liquid cooler for cutting head and resonator**

**liquid cooler for linear motors**

**CAD/CAM software LANTEK to program and optimize utilization of material (nesting)**

**remote maintenance by LAN connection**

**safety light barrier covering**

The two **options** mentioned above (scrap conveyor for small parts and waste / exhaust unit with filters), are **included in our list price/special price!**

**We would be glad to give you a demonstration in our machine exhibition in Wr.Neudorf!  
(Appointment arrangement necessary.)**

note

Prices ex location, excl. 20 % VAT (VAT only when sold inside Austria)

Terms of delivery according to the "[general terms of delivery](#)" of the Austrian machinery- and steelworking industry. We only sale under proprietary rights. Until full payment the consignment stays in our unrestricted property.

Price changes and errors excepted.