

COST-EFFECTIVE
Fiber laser cutting systems



eSmart

TECHNICAL DATA

Cutting speed	max. 100 m/min
Positioning	140 m/min
Acceleration*	up to 2G
Laser sources	up to 10kW

*Top acceleration value is dependent on the machine's working area.

STANDARD EQUIPMENT

- 🔧 Fiber laser source
- 🔧 Linear motors on all axes
- 🔧 Advanced composite material body structure
- 🔧 eVa cutting head
- 🔧 Fast pallet changer

COST-EFFECTIVE

Benefits:

- | | |
|---|---|
| ✓ Made for 24/7 automation | ✓ Reduced energy consumption |
| ✓ Flexible range of material thicknesses | ✓ Easy to operate |
| ✓ Cost-efficient technology | ✓ Easy and fast turnaround |
| ✓ Intelligent design to minimize footprint on floor space | ✓ Flexible configurations and options to fit any budget |
| ✓ Reduced maintenance and services required | ✓ Best performance and reliability on the market |

The eSmart series presents the most cost-effective machines, designed with efficiency and reliability at the core. They require little floor space but deliver great results.

With cutting speeds of up to **100m/min**, acceleration **up to 2G**, and fiber laser powers of **1 to 10kW**, the eSmart series delivers precision, efficiency, and value.

MAXIMUM SPEEDS

maximum cutting speed	[m/min]	100
parallel to the X, Y axes*	[m/min]	100
simultaneously*	[m/min]	140

* Top speed value is dependent on the machine's working area.

AXIS PARAMETERS

repetitiveness +/-	[mm]	0,03
cutting precision +/-*	[mm]	0,1
min. programmable leap	[mm]	0,001

* In accordance with PN-EN ISO 9013 norms.

SPECIFICATIONS

WORKING AREA

MACHINE MODEL	[um]	1530	2040
X-AXIS	[mm]	3060	4070
Y-AXIS	[mm]	1540	2098
Z-AXIS	[mm]	100	100
MAX. SHEET WEIGHT	[kg]	1000	3200

DIMENSIONS, AND WEIGHT OF THE MACHINE ¹⁾

MACHINE MODEL	[um]	1530	2040
LENGTH	[mm]	10000	11570
WIDTH	[mm]	3080	3016
HEIGHT	[mm]	3060	2240
WEIGHT	[t]	18	22

¹⁾ Approximate values. The exact parameters are specified in the installation plan.

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