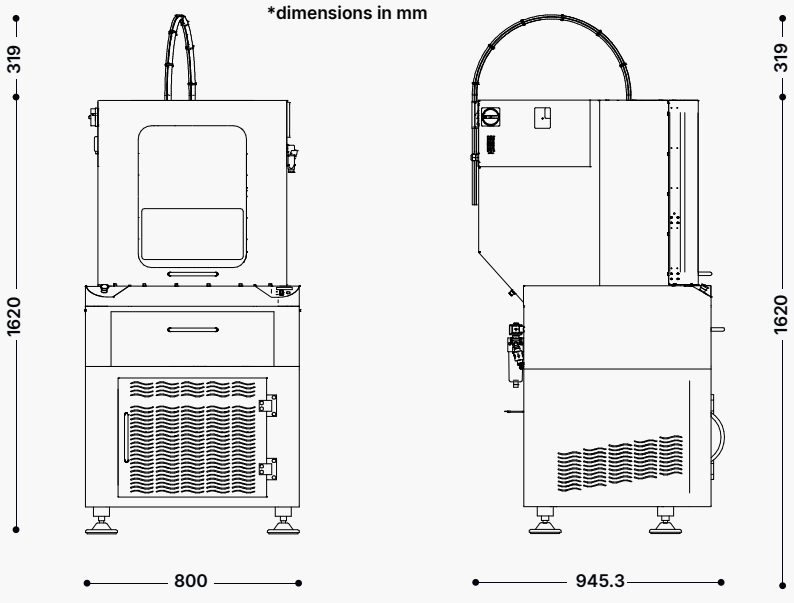
MADE IN ITALY

TECHNICAL DATA

	TDL
LASER ENGRAVING SOURCES (NOMINAL POWER)	20 W, 20 W HD, 50 W, 50 W HD
MAX ENGRAVING AREA	110 × 110 mm [x2]
CUTTING AREA	X=200 mm, Y=110 mm
CUTTING/MARKING SPOT SIZE	0.1 mm / 50 µm
AVERAGE CUTTING POWER	300 W, 450 W
MAX PEAK POWER (CUT)	3000 W, 4500 W
SHEET WIDTH	min 20 mm - max 125 mm
MAX X-Y-Z AXIS STROKE	225 - 120 - 144 mm
RAPID FEED RATE (X-Y-Z)	max 10000 mm/min
X-Y-Z AXIS ACCELERATION	max 2 m/s^2
X-Y-Z CNC HANDLING	165 N/cm
POSITIONING ACCURACY AND REPEATABILITY	0.01 mm
PNEUMATIC SYSTEM OPERATING PRESSURE	7 bar
MINIMUM AIR COMPRESSOR CAPACITY	160 l/min
AVAILABLE CUTTING GAS INLETS (MAX. PRESSURE 16 BAR)	3
LASER CLASS	Class 1 (closed), Class 3R (open)
POWER SUPPLY	230 VAC ± 10%, 1+N ph, 50/60 HZ, 4.5 kW (6 kW with accessories)
DIMENSIONS (W x H x D)	800 × 1940 × 946 mm
WEIGHT	600 Kg

DIMENSIONS

*dimensions in mm



OROTIG

ENG

WELDING | MARKING | MILLING | **CUTTING** | CASTING

TDL 500

The laser cutting and marking system for large-scale production

The TDL 500 is **an integrated laser marking and cutting system for mass production**, performing extremely well on all precious metals, steel and other alloys, with **cuts of up to 4 mm thickness.**

HIGH CUTTING DEFINITION

Thanks to the CNC head, all cuts are perfectly perpendicular, and it is possible to performe cutting and marking operations on the same workpiece, thanks to the coexistence of two laser sources.

MAXIMUM PRODUCTIVITY

Dramatic reduction of processing time thanks to one-pass cuts. Possibility of working on a continuous cycle thanks to the integrated chiller and plate decoiler.

MATERIAL RECOVERY

The special technology that **combines the laser beam with a gaseous jet** and a **high-performance suction system** enable metal recovery that is far superior to other cutting methods.

ACCESSORIES

PLATE DECOILER

AIR DRIER

DUST RECOVERY SYSTEM

Discover all our machines, stay connected!

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