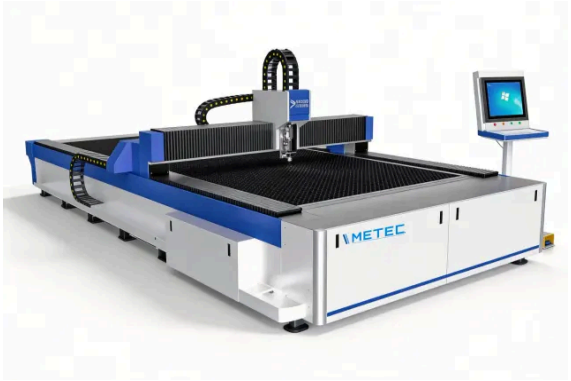
MLS Series

Open Single Table Sheet Laser Cutting Machine



Cost-Effective Open Design for Flexible Sheet Metal Cutting

The MLS Series features an open single-table design ideal for workshops needing cost-effective, high-quality laser cutting. The 'single table' and 'open-frame' design are ideal solutions for sheet metal processing scenarios that prioritize cost-effectiveness, operational convenience, and flexible adaptability.

Models	Working area	Positioning accuracy
9	**3,000 × 1,500 to 13,000 × 2,500 mm**	**±0.02 mm/m**

MLS Series specifications

9 models. Values from the Metec catalogue; your configuration is confirmed in the quotation.

Parameter	MLS 3015	MLS 4015	MLS 6015	MLS 4020	MLS 6020	MLS 6322	MLS 6325	MLS 8325	MLS 13025
Working Area (mm)	3000 × 1500	4000 × 1500	6000 × 1500	4000 × 2000	6000 × 2000	6300 × 2200	6300 × 2500	8300 × 2500	13000 × 2500
Table Load Bearing (kg)	2000	2500	3500	3500	5000	5500	12500	16500	26000
Overall Dimensions (mm)	4850 × 2330 × 1920	5850 × 2330 × 1920	7920 × 2330 × 1920	5850 × 2880 × 1920	7920 × 2880 × 1920	8330 × 3090 × 1920	8330 × 3570 × 2150	10340 × 3570 × 2150	15700 × 3570 × 2150
Max. Acceleration	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G	1.2G	1.2G	1.2G
Max. Linkage Speed (m/min)	120	120	120	120	120	120	120	120	120
Max. Positioning Speed (m/min)	100	100	100	100	100	100	100	100	100
X-Axis Travel (mm)	1520	1520	1520	2020	2020	2220	2520	2520	2520
Y-Axis Travel (mm)	3050	4050	6050	4050	6050	6350	6350	8350	13050
Z-Axis Travel (mm)	140	140	140	140	140	140	150	150	150
X/Y Positioning Accuracy (mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
X/Y Repositioning Accuracy (mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02

What the MLS Series is built for

Cost Efficiency

Lower investment with simplified structure, suitable for entry-level users with stable cutting performance.

Easy Operation

User-friendly interface and quick setup, reducing training time and improving work efficiency.

Compact Design

Small footprint with open table, ideal for limited space workshops.

Mechanical System

High-strength structural support that delivers both precision and lasting stability.

Components you can name

Main components and their makers as listed in the catalogue, with the options in its configuration table. Alternatives are quoted on request.

Bed and beam	Welded steel-plate bed, aviation-aluminium beam
Laser source	Maxphotonics (China); option: Raycus (China)
Cutting head	Bochu (China)
Control and nesting software	Bochu bus controller, operating and nesting software (China)
Servo motors and drives	Bochu (China)
Gear reducer	Techmech (China)
Guide rails	Gausscn (Germany); option: HIWIN (Taiwan, China)
Racks	Gausscn (Germany); option: APEX (Taiwan, China)
Electrical components	Schneider (France)
Water chiller	Hanli (China); option: S&A or Tongfei (China)
Pneumatic valves	SMC (Japan) for 3–6 kW, Raycee (China) for 12–30 kW, Aventics (Germany) for 40–60 kW

Values from the Metec Product Catalogue 2025. Options, voltage and the final configuration are confirmed in the quotation. Printed from www.metecmt.com.