## MLSD Series

# Open Double Table Sheet Laser Cutting Machine




### Dual Exchange Tables for Uninterrupted Cutting Workflow

The MLSD Series doubles your productivity with parallel exchange tables that allow continuous cutting and loading simultaneously. The rigid machine bed ensures consistent precision during long-time operation, delivering near double-machine efficiency at a single-machine cost.

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

# MLSD Series specifications

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

| Parameter | MLSD 3015 | MLSD 4015 | MLSD 6015 | MLSD 4020 | MLSD 6020 | MLSD 6322 | MLSD 6325 | MLSD 8325 | MLSD 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)** | Main frame 5170 × 2900 × 2190; tail frame 3440 × 2260 × 830 | Main frame 6300 × 2900 × 2190; tail frame 4380 × 2260 × 830 | Main frame 8280 × 2900 × 2190; tail frame 6370 × 2260 × 830 | Main frame 6300 × 3540 × 2190; tail frame 4380 × 2620 × 830 | Main frame 8280 × 3540 × 2190; tail frame 6370 × 2620 × 830 | Main frame 8850 × 3645 × 2320; tail frame 6660 × 2820 × 830 | Main frame 8850 × 3870 × 2430; tail frame 6660 × 3100 × 980 | Main frame 10850 × 3870 × 2430; tail frame 8660 × 3100 × 980 | Main frame 15850 × 3870 × 2430; tail frame 13660 × 3100 × 980 |
| **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)** | 140/300 | 140/300 | 140/300 | 140/300 | 140/300 | 140/300 | 150/350 | 150/350 | 150/350 |
| **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 MLSD Series is built for

### High Productivity

Double exchange tables enable continuous cutting and loading simultaneously, reducing downtime.

### Stable Structure

Rigid machine bed ensures consistent precision during long-time operation.

### Flexible Operation

Open design for easy access, handling large and heavy plates with ease.

### High ROI

Near double-machine efficiency at single-machine cost, fast return on investment.

## 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.

| | |
|---|---|
| Exchange tables | Two tables: one is loaded while the other cuts |
| 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.