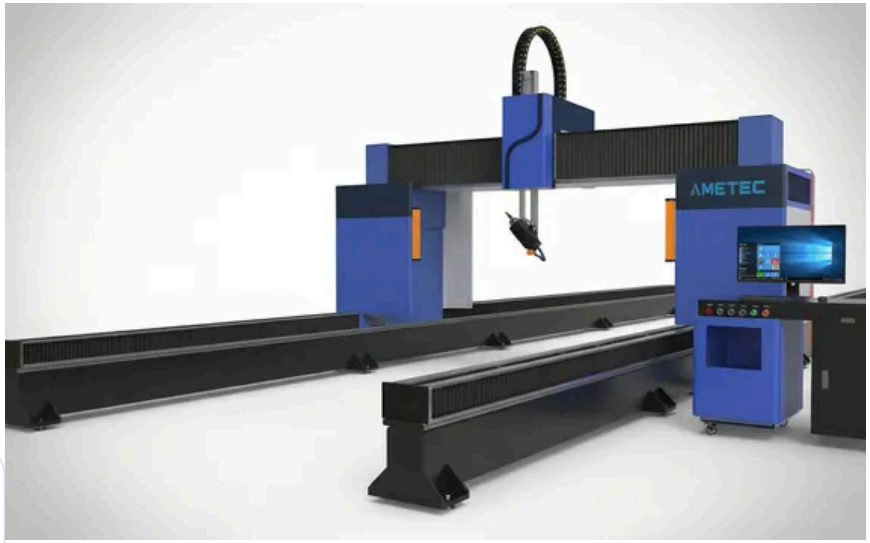
## MLP Series

# Profile Steel Laser Cutting Machine

### Specialized for H-Beam, Angle & Channel Steel Cutting

The MLP Series is tailored for profile steel processing including H-beams, angles, and channel steel. With 3D cutting head capability, intelligent clamping, and advanced bevel cutting, it delivers precise contour cutting with minimal labor.




| Models | Profile section (W × H) | Positioning accuracy |
| --- | --- | --- |
| **3** | **1,000 × 800 to 2,500 × 800 mm** | **±0.03 mm/m** |

# MLP Series specifications

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

| Parameter | MLP 12020 | MLP 26035 | MLP 36050 |
|---|---|---|---|
| **Working Area (mm)** | Profile section (W × H) 1000 × 800; sheet, vertical cut (L × W) 12000 × 2000; sheet, bevel cut (L × W) 11000 × 1500 | Profile section (W × H) 1800 × 800; sheet, vertical cut (L × W) 26000 × 3600; sheet, bevel cut (L × W) 25000 × 3100 | Profile section (W × H) 2500 × 800; sheet, vertical cut (L × W) 36000 × 3600; sheet, bevel cut (L × W) 35000 × 4500 |
| **Overall Dimensions (mm)** | 17000 × 4300 × 3500 | 31000 × 5800 × 3500 | 41000 × 5800 × 3500 |
| **Max. Acceleration** | 0.8G | 0.8G | 0.8G |
| **Max. Linkage Speed (m/min)** | 80 | 80 | 80 |
| **Max. Positioning Speed (m/min)** | 60 | 60 | 60 |
| **X-Axis Travel (mm)** | 12020 | 26020 | 36020 |
| **Y-Axis Travel (mm)** | 2050 | 3650 | 5050 |
| **Z-Axis Travel (mm)** | 1200 | 1200 | 1200 |
| **X/Y Positioning Accuracy (mm/m)** | ±0.03 | ±0.03 | ±0.03 |
| **X/Y Repositioning Accuracy (mm/m)** | ±0.02 | ±0.02 | ±0.02 |

# What the MLP Series is built for

## Specialized Cutting

Tailored for H-beam, angle steel, channel steel, and other profile processing.

## 3D Capability

Advanced 3D cutting head enables bevel cutting and complex contour processing.

## Intelligent Clamping

Intelligent clamping system adapts to various profile shapes for secure, precise positioning.

## Labor Saving

Integrated automation slashes labor requirements and reduces manual workload significantly.

# 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.

| | |
|---|---|
| Profile cutting system | Laser source of 12, 20, 30 or 40 kW with a matching bevel cutting head |
| Cutting head | 3D bevel cutting head for profile and bevel cuts |
| Clamping | Automatic clamping of the profile |
| Laser source | Maxphotonics (China); option: Raycus (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.