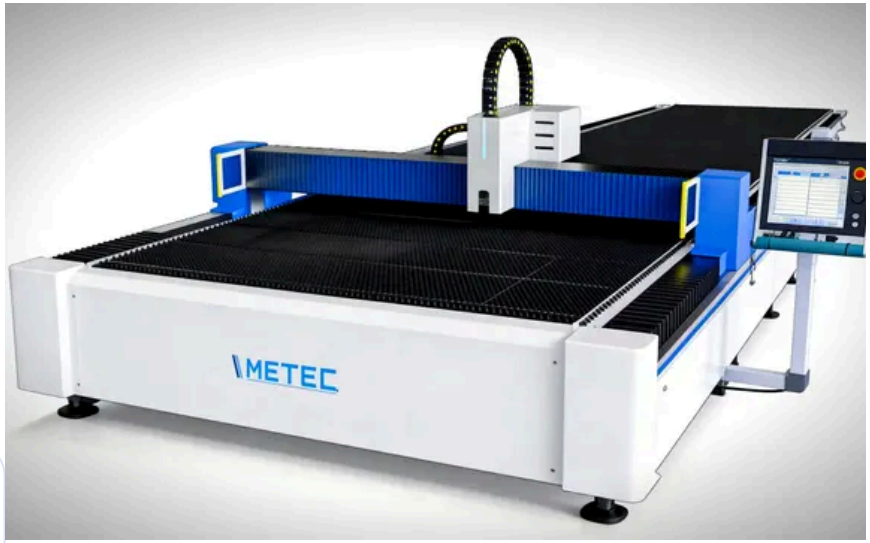
MLG Series

Ground Rail Laser Cutting Machine



Extra-Large Format Cutting with Ground Rail Stability

The MLG Series is engineered for cutting extra-large sheet metal up to 36m×5m. Ground rail installation enhances rigidity and accuracy for large-scale cutting, with modular extension capability to meet different industrial needs.

Models	Working area	Positioning accuracy
6	**12,000 × 3,000 to 36,000 × 5,000 mm**	**±0.05 mm/m**

MLG Series specifications

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

Parameter	MLG 12030	MLG 14030	MLG 16030	MLG 18035	MLG 26035	MLG 36050
Working Area (mm)	12000 × 3000	14000 × 3000	16000 × 3000	18000 × 3500	26000 × 3500	36000 × 5000
Table Load Bearing (kg)	14500	16500	18850	25000	36000	71000
Overall Dimensions (mm)	17500 × 5400 × 2000	19500 × 5400 × 2000	21500 × 5400 × 2000	23000 × 5400 × 2000	33000 × 5400 × 2000	43000 × 5400 × 2000
Max. Acceleration	0.8G	0.8G	0.8G	0.8G	0.8G	0.8G
Max. Linkage Speed (m/min)	120	120	120	120	120	120
Max. Positioning Speed (m/min)	100	100	100	100	100	100
X-Axis Travel (mm)	3020	3020	3020	3520	3520	5020
Y-Axis Travel (mm)	12550	14550	16550	18050	26050	36050
Z-Axis Travel (mm)	150	150	150	150	150	150
X/Y Positioning Accuracy (mm/m)	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
X/Y Repositioning Accuracy (mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02

What the MLG Series is built for

Large Format

Cuts plate up to 36 × 5 m; the ground-rail design is extended in modules to the length you need.

High Stability

Ground rail installation enhances rigidity and accuracy for large-scale cutting operations.

High Efficiency

High-speed drives and optimized control system deliver efficient, precise cutting.

Customizable

Supports modular extension to meet different industrial needs and project requirements.

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 and beam on ground rails
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.