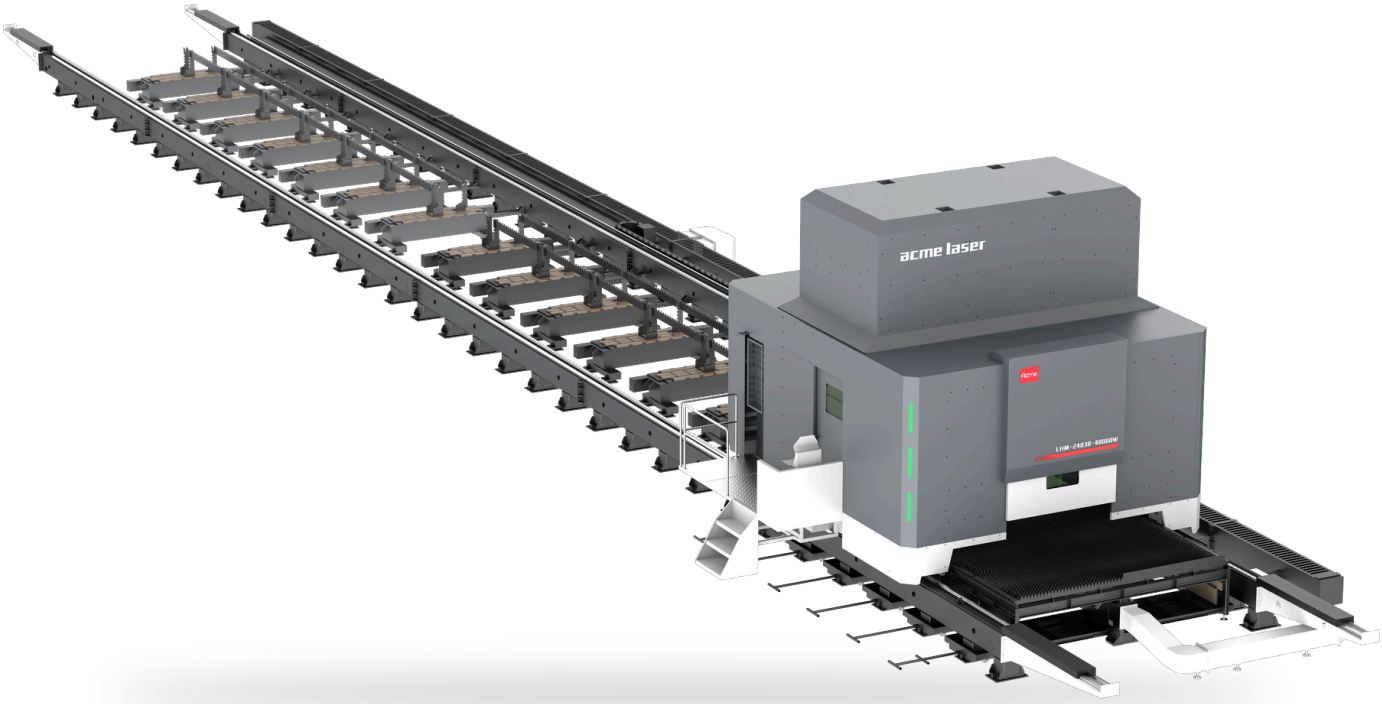
LHM Series

Gantry laser machine for heavy profiles and plate



AT A GLANCE

LASER POWER	MAX. PROFILE	BEVEL	SOFTWARE
12–40 kW	**1,200×600 mm** 12 m length	**5-axis · ±45°** V/Y/X/K	**Tekla-compatible**

ABOUT THE MACHINE

The LHM Series is a gantry laser machine that cuts both heavy profiles and plate, for structural steelwork fabricators. It comes with 1, 2 or 3 stations, 12–40 kW of power, H/I/U/L profiles up to 1,200×600 mm in 12 m lengths, plate up to 12,000×3,000 mm and 5-axis bevel cutting (±45°, V/Y/X/K). Tekla-compatible.

Technical data

MODEL	H12012 (1 STATION)	H12012+P6025 (2 STATIONS)	H12012+H12012+P6030 (3 STATIONS)
Laser power	12–40 kW	12–40 kW	12–40 kW
Total weight	17 t	28 t	30 t
Max. profile (W×H)	1,200 × 600 mm	1,200 × 600 mm	1,200 × 600 mm
Min. profile (W×H)	200 × 100 mm	200 × 100 mm	200 × 100 mm
Max. plate size (L×W)	— (profiles only)	12,000 × 2,500 mm	12,000 × 3,000 mm
Machine dimensions (mm)	L 18,700 × W 7,600 H 5,000	L 23,000 × W 7,600 H 5,000	L 43,000 × W 7,600 H 5,000
Bevel	5-axis, ±45° — V / Y / X / K bevels, compound bevels on profiles and plate		
Software	Tekla-compatible — component data imported into nesting and processing		
Stations	1, 2 or 3		
Cutting functions	profile cutting, profile bevel cutting, plate bevel cutting, 2D cutting		
Profile types	I-beam / H-beam, channel, angle and other structural profiles		

Official ACME specifications — 3 configurations by number of stations. H12012 = 12 m profile gantry; +P6025 / +P6030 = additional plate station.

Why the LHM Series

01 What it handles

Profiles up to 1,200×600 mm and plate up to 12,000×3,000 mm on the same machine: I-beams and H-beams, channel, angle and plate. All the profiles and plate for a structure go through a single line.

02 5-axis bevel cutting (±45°)

Weld preparations are cut in the same operation, in V, Y, X or K geometry: parts fit together well at assembly and need less grinding. Holes, bevels, interlocking joints, marking, scribing and cutting to length are all done in a single pass.

03 Parallel multi-station workflow

It can be configured with 1, 2 or 3 stations: H/I beams are cut on one, plate on another, and the next is loaded and unloaded at the same time. Idle time falls and output rises.

04 Low material loss

The mobile dual-drive gantry processes the profile along its entire length, and nesting is optimised: less scrap is left and as much as possible of the material you buy is used.

Why the LHM Series — continued

05 Tekla-compatible workflow

Component data from Tekla is brought into the nesting and processing workflow without redrawing, so programming is faster and material is used better. It suits the structural steelwork industry.

Interested in the LHM Series?

Tell us about your application — profile types (H/I/U/L), maximum sizes, whether you also have plate to cut, the power you want (12–40 kW) and the number of stations (1, 2 or 3). We will reply in writing with the configuration we recommend.

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