D Series

Laser sheet cutting machine with dual shuttle tables



AT A GLANCE

TABLE LENGTH	TABLE WIDTH	SHEET THICKNESS	TABLE CHANGE	MAX. POSITIONING SPEED
3,000 – 12,000 mm	**1,500 – 3,000** mm	**up to 100** mm	**15 s** +30% efficiency	**132** m/min

ABOUT THE MACHINE

The D Series is a dual-table laser machine for series production of sheet parts. The table change takes 15 seconds and raises efficiency by more than 30%. 4 models (3015D/4020D/6025D/12030D), 1–60 kW power, plate 3–12 m long, 1.5–3 m wide and up to 100 mm thick. Two servo motors and extruded aluminium crossbeams, 132 m/min positioning speed, 1.5 G acceleration. Welded machine frame with an interlocking tab-and-slot structure.

Technical data

MODEL	3015D	4020D	6025D	12030D
Cutting area (mm)	3,000 × 1,500	4,000 × 2,000	6,000 × 2,500	12,000 × 3,000
Max. table load	0.9 t	1.6 t	4.8 t	30 t
Max. positioning speed	132 m/min	132 m/min	132 m/min	132 m/min
Max. acceleration	1.5 G	1.5 G	1.5 G	1.5 G
Machine dimensions (mm)	L 8,550 × W 2,200 H 2,400	L 11,100 × W 3,500 H 2,500	L 15,500 × W 4,150 H 3,000	L 27,600 × W 8,000 H 3,200
Laser power	1–60 kW			
Materials	mild steel, stainless steel, aluminium alloys, brass, copper and other metal sheet			

Official ACME specifications for the D Series (sheet) — 4 models with dual shuttle tables.

Why the D Series

01 Sheet sizes it takes

Metal sheet 3–12 m long, 1.5–3 m wide and up to 100 mm thick, from the standard 3×1.5 m workshop format up to 12-metre plates.

02 Two tables that swap over

The change takes 15 seconds. Nobody has to wait for loading or unloading: working efficiency rises by more than 30%.

03 Dynamics to match

Extruded aluminium crossbeams and a drive with two servo motors: the machine performs just as well on thin sheet as on thick plate.

04 Frame welded from thick plate

An interlocking tab-and-slot structure, built to take heavy loads. The frame members are laser cut, welded and then machined in a single set-up on a large gantry milling machine. This keeps the frame stable during cutting for years.

05 Finished parts in a single pass

9-stage piercing, dross-free cutting, clean micro-joints, flying cuts and cut-path tracking: the machine runs the process itself, from piercing until the part is cut free from the sheet.

Interested in the D Series?

Tell us about your application — the material, your usual thicknesses, the sheet format you work with (3015D/4020D/6025D/12030D) and your monthly volume. We will reply in writing with the configuration we recommend and the right power.

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