D Series

Laser tube cutting machine for series production



AT A GLANCE

CAPACITY	LENGTH	TUBE WEIGHT	CHUCK
Ø8–180 mm	**6** m	**≤ 300** kg	**up to 200** rpm

ABOUT THE MACHINE

The D Series is ACME's best-selling tube cutting machine, built for fabricators who cut heavy tubes or work in dusty, slag-heavy conditions. It comes in 2 models (6012D and 6018DB) for round, square, rectangular or oval tube: Ø8–180 mm, 6 m tubes up to 300 kg, and a chuck speed of up to 200 rpm.

Technical data

MODEL	6012D	6018DB
Laser power	1–6 kW	1–6 kW
Tube diameter (mm)	Ø 8–120	Ø 10–180
Max. tube length (mm)	≤ 6,300	≤ 6,300
Min. remnant (mm)	≥ 65	≥ 65
Chuck rotation speed	200 rpm	120 rpm
Max. acceleration	1.5 G	1.2 G
Machine dimensions (mm)	L 9,310 × W 2,380 H 2,600	L 9,310 × W 3,300 H 2,600
Tube types	round, square, rectangular, oval	

Official ACME specifications — 2 models. The letter "B" in the model code means the machine comes with a semi-automatic loader, an option available on any size: the 6012DB is the same machine as the 6012D and differs only in how it is loaded.

Why the D Series

01 Cutting capacity

Cuts round, square, rectangular or oval tube in 6 m lengths and up to 300 kg: Ø8–120 mm on the 6012D, Ø10–180 mm on the 6018DB.

02 Fast chuck and short remnant

On the 6012D, the chuck turns at 200 rpm, so the tube rotates quickly between cuts. The remnant is short: less unused material is left at the end of each tube.

03 Gantry structure

The gantry structure does not deform even after years of use, and cutting accuracy stays the same.

04 Low running costs

The machine is compact and takes up little floor space. It is easy to install and simple to operate, and running costs stay low. Changeover from one part to the next needs no lengthy set-up.

05 Free technical support

ACME updates the system and the nesting software free of charge, provides ongoing online technical guidance, helps with drawing complex parts and supplies video operating guides. You lose fewer hours to downtime.

06 2-year warranty

A 2-year manufacturer's warranty from ACME, as standard.

Interested in the D Series?

Tell us about your application — material, diameters and wall thickness, tube length and monthly volume. We will reply in writing with the configuration we recommend.

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