G Series

Zero-remnant laser tube cutting machine



AT A GLANCE

DIAMETER	LENGTH	TUBE WEIGHT	REMNANT
Ø10–350 mm	**6–12**	**≤ 1,850**	**0**
4 models	m	kg	mm

ABOUT THE MACHINE

The G Series is the three-chuck laser machine for Ø10–350 mm tubes and profiles, designed for fabricators who run high volumes and want to use every tube right to the end. It comes in 4 models, with lengths of 6–12 m, tubes up to 1,850 kg, 1–30 kW of power and zero remnant.

Technical data

MODEL	6018GH	6026GA	9028GY	12036GKA
Tube diameter (mm)	Ø10–180	Ø15–250	Ø15–280	Ø30–350
Min. remnant (mm)	0	0	0	0
Max. workpiece weight	240 kg	300 kg	500 kg	1,850 kg
Max. loading length (mm)	6,300	6,300	9,300	12,300
Max. unloading length (mm)	6,000	6,000	9,000	12,000
Machine dimensions (mm)	L 12,888 × W 5,112 H 3,286	L 12,888 × W 5,098 H 3,286	L 51,697 × W 7,050 H 5,108	L 29,055 × W 4,760 H 3,950
Laser power	1–30 kW			
Tube / profile types	round, square, rectangular, H-beams, I-beams, channels, angles, special profiles			

Official ACME specifications — 4 models.

Why the G Series

01 Capacity Ø10–350 mm

Cuts round, square and rectangular tube, H-beams, I-beams and channels, angles and special profiles, with diameters of Ø10–350 mm, lengths of 6–12 m and weights of up to 1,850 kg. All of them are cut on one machine, with no need for a dedicated machine per shape.

02 Full-stroke chucks

The jaws cover the whole diameter range without manual changeover, so the machine no longer stops for adjustment when you switch from one profile to another. The clamping force is twice that of standard chucks.

03 Zero remnant

With no remnant, the tube is used right to the end, even when the nesting is complex. At high volumes, the material saved shows up directly in the cost per part.

04 3D bevel cutting ±45° (V, Y, X, K)

Cuts V, Y, X or K bevels, as well as variable-angle bevels. The cut comes out clean and burr-free, and needs no further finishing.

05 100 m/min positioning

Servo motors drive positioning at up to 100 m/min. The machine moves quickly from one cut to the next, and the idle time between parts drops.

Interested in the G Series?

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

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