TF Series

Short-remnant 2-chuck laser machines



AT A GLANCE

CHUCK	ACCELERATION	REMNANT	LASER POWER
200 rpm	**up to 1.5**	**from 35**	**1-30**
2× standard	G	mm	kW

ABOUT THE MACHINE

The TF Series is the 2-chuck laser machine for long tubes when the remnant must be kept to a minimum. The bed is side-mounted, and the chuck rotates at 200 rpm, twice as fast as a standard chuck. Five models, Ø8–350 mm, 1–30 kW of power, minimum remnant 35 mm (65 mm on the 9028TFA and 12036TFA): the 6012TFKA and 6018TFKA (formerly the VFA models) cut 45° bevels without moving the tube back and forth, while the 6026TFA, 9028TFA and 12036TFA step up in power and diameter.

Technical data

MODEL	6012TFKA	6018TFKA	6026TFA	9028TFA	12036TFA
Laser power	1–6 kW	1–6 kW	6–30 kW	6–30 kW	6–30 kW
Tube diameter (mm)	Ø 8–120	Ø 10–180	Ø 15–260	Ø 15–280	Ø 30–350
Max. tube length (mm)	≤ 6,800	≤ 6,800	≤ 7,000	≤ 9,000	≤ 12,500
Min. remnant (mm)	≥ 35 / ≥ 0	≥ 35 / ≥ 0	≥ 35	≥ 65	≥ 65
Chuck acceleration	1.5 G	1.5 G	1.2 G	1.0 G	0.7 G
Machine dimensions (mm)	L 10,990 × W 3,594 H 2,145	L 10,990 × W 3,594 H 2,145	L 12,200 × W 3,500 H 3,100	L 14,900 × W 3,500 H 3,100	L 15,800 × W 4,050 H 3,600
Chuck rotation speed	200 rpm				
Bevel angle	45°				
Tube / profile types	round, square, rectangular, oval, H-beam, I-beam, channel, angle and special profiles				

Specifications from the official series tables — 5 models. The 6012TFKA and 6018TFKA (formerly the VFA models) have a K bevel head, so the tube does not need to be moved back and forth; the 6026TFA, 9028TFA and 12036TFA cut bevels directly on welded tube.

Why the TF Series

01 Wide range of tube shapes

The machine cuts round, square or rectangular tube, as well as special profiles.

02 Fast chuck

On all five models, the chuck rotates twice as fast as a standard chuck. On the three larger models (6026TFA, 9028TFA, 12036TFA), the front chuck advances by up to 1,400 mm: it keeps long parts from wobbling as they rotate and improves machining accuracy.

03 Efficient production

On all five models, tube is loaded semi-automatically. On the larger models, the side-mounted bed makes loading easier: a tube is loaded in 10 seconds, 30% faster than on standard machines.

04 High-speed cutting

Cutting runs without interruptions, and laser power ranges from 1 to 30 kW across the range, from the small models to the large ones.

Interested in the TF Series?

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

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