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MORGAN RUSHWORTH XTS 6023.6000 TUBE LASER CUTTING MACHINE



The Morgan Rushworth XTS Compact (2-Chuck) Tube Laser streamlines tube feeding and precision cutting through an integrated semi-automatic loading system. Built on a side-mounted machine structure, it accommodates tube diameters spanning 20 mm to 360 mm and incorporates a clearance-enabled front chuck supported by fully servo-controlled floating mechanisms. Operating with power options of 3 kW, 6 kW, or 12 kW and acceleration rates reaching 1.0G, the system manages raw material bundles up to 2,000 kg while handling infeed lengths up to 7.5 m and outfeed lengths up to 6 m.

Automatically processing round, square, and rectangular tubing, as well as I-beams, channel steel, and custom-shaped profiles, this machine substantially reduces manual labor needs. Furthermore, its specialized chuck-clearance functionality allows the cutting head to travel between the front and rear chucks, keeping drop-off tails to a minimum and maximizing overall material efficiency.

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FEATURES

- Fibre optic beam delivery system
- Ospri Autofocus Laser Cutting Head
- Applicable tube types : Round tube, square tube, rectangular tube, oval tube, D-shaped steel,
- Applicable profile types : T-shaped, H-shaped, channel steel, angle steel, I-beams etc.
- Material Receiving and Collecting System
- CE compliant complete machine enclosure and light barrier system
- PA Control System
- Lantek / Sigmanest Software
- Chain Loader Semi-Automatic Loading System
- Zero scrap cutting with pneumatic clamping system to avoid final parts being stuck in the chuck.
- 2 Chuck Machine
- Scrap collection draw
- 3m Outfeed

OPTIONS

- Bevel Head - LT Ultra
- Weld Seam Detection
- 4m / 6m Outfeed
- Head Scanning
- IPG Laser Source
- Filtration & Extraction

TECHNICAL INFORMATION

Model		XTS 6023.6000
Laser Source	kW	6.0
Maximum Tube Length	mm	6000
Cutting Dia – Round	mm	20 - 230
Cutting Dia – Square/Rectangle	mm	230 x 230
Max tube weight	kg	225
Max Bundle loading weight	kg	900
Type of infeed supports		Servo controlled
Type of outfeed supports		Servo controlled
X + Y axis positioning accuracy	mm/meter	+/- 0.05
X + Y axis repeatability accuracy	mm/meter	+/- 0.03
Axis Acceleration	G	1.0
Chuck speed	rpm	80
Feed speed	m/min	60
Cycle time	s	18

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OTHER IMAGES



