

RVD SMARTFIBRE LF 8012.3000 CNC FIBRE LASER TUBE CUTTING MACHINE

The RVD SmartFibre LF 8012 [tube laser cutting machines](#) are an excellent solution for laser cutting with a vast variety tubular profiles and other sections of various lengths, diameters, materials and wall thicknesses. For the ultimate productivity these machines can be fitted with an automatic loading system for processing of bundles of round or square hollow section. Driven by powerful Lantek Flex3d processing and nesting software, developed specifically for tube cutting, these machines can produce intricate components in a variety of profiles, including round, square, oval and flat sided oval. An optional Lantek module is also available for processing flat bar and open sided parts such angles and channels. These models are specified with class leading components including a Raytools auto focus cutting head, Yasakawa drives and Raycus laser sources in power ratings from 1.5 to 6kW.

FEATURES

- High performance Raycus fibre laser technology
- Raytools autofocus laser cutting head with crash protection system
- Automatic height sensor to ensure optimum cutting efficiency
- Fully enclosed cutting area
- Self centring pneumatic clamping chuck in highly stable cast iron frame
- Self centring pneumatic feeding chuck
- Automatic infeed support system
- 2.5 metre automatic outfeed support and unloading system
- Laser chiller unit
- Class leading brand components
 - Raycus laser source – China
 - Raytools auto focus cutting head – Switzerland
 - Higerman PA CNC control – Germany
 - Lantek Flex3d CAD/CAM software – Spain
 - Schneider electrics – France
 - YYC rack and pinion - Taiwan
 - Hiwin linear guides – Taiwan
 - Yaskawa servo motor and driver - Japan

OPTIONS

- IPG Photonics laser source instead of Raycus
- Automatic magazine loading system
- Welding seam detection
- Automatic de-slugging
- Bevel cutting head instead of standard
- 3rd chuck to allow zero remnant
- Increase outfeed system length to 4 or 6 metres
- Lantek software module for open profiles e.g. angle, channel, flats
- Extraction/filtration system

TECHNICAL INFORMATION

Model		LF 8012.3000
Maximum Tube Length	mm	8000
Tube Diameter Range	mm	20 - 120
Positioning Speed	m/min	150
Axis Acceleration	G	1.0
Positioning Accuracy	mm	±0.05
Repeatability	mm	±0.03
Laser Power	kW	3.0
Cutting Capacity:		
Mild Steel	mm	20
Stainless Steel	mm	8
Aluminium	mm	6
Brass	mm	5
Copper	mm	-
Motor Power - Machine	kW	8
Motor Power - Optional Magazine Loading System	kW	5
Motor Power - Optional Extraction/Filtration System	kW	5.5
Length (with standard 2m outfeed)	mm	14000
Width	mm	2000
Width (with Optional Magazine Loading System)	mm	4200
Height	mm	2642
Weight	kg	7500
Weight (with Optional Magazine Loading System)	kg	11000

OTHER IMAGES

