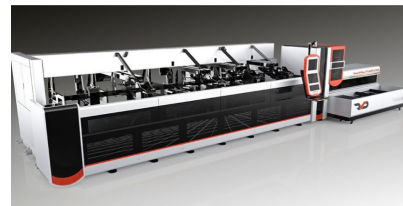


RVD SmartFibre TF 6020/1500 CNC



The RVD SmartFibre TF tube laser cutting machines are an excellent solution for laser cutting with a vast variety of 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 up to 2500kg. 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 as angles and channels. These models are specified with class leading components including a RayTools auto focus cutting head, Yasakawa drives and nLIGHT laser sources in power ratings from 1000W to 6000W.



Features	Technical Specification		
<ul style="list-style-type: none">High performance nLIGHT fibre laser technologyRaytools high performance torch with crash protection systemAutomatic height sensor to ensure optimum cutting efficiencyFully enclosed cutting areaSelf centring pneumatic clamping chuck in highly stable cast iron frameSelf centring pneumatic feeding chuckAutomatic infeed support systemAutomatic outfeed support and unloading systemLaser chiller unitClass leading brand components<ul style="list-style-type: none">nLIGHT laser source – USRaytools auto focus cutting head – SwitzerlandPower Automation Higerman CNC control – GermanyLantek Flex3d CAD/CAM software – SpainSchneider electrics – FranceAtlanta rack and pinion - GermanyHiwin linear guides – Taiwan	Maximum Tube Length	mm	6000
	Tube Diameter Range	mm	10 - 200
	Positioning Speed	m/min	90
	Axis Acceleration	G	1.2
	Positioning Accuracy	mm	±0.05
	Repeatability	mm	±0.03
	Laser Power	kW	1.5
	Cutting Capacity:		
	Mild Steel	mm	14
	Stainless Steel	mm	6
	Aluminium	mm	5
	Brass	mm	5
	Copper	mm	4
	Galvanised Mild Steel	mm	5
	Motor Power - Machine	kW	18
	Motor Power - Optional Magazine Loading System	kW	8
	Motor Power - Optional Extraction/Filtration System	kW	5.5
	Length	mm	12070
	Width	mm	2700
	Width (with Optional Magazine Loading System)	mm	5000
	Height	mm	2300
	Weight	kg	8000
	Weight (with Optional Magazine Loading System)	kg	15000

Options

- Magazine loading system
- Welding seam detection system
- Lantek module for open profiles e.g. angle, channel, flats
- Extraction/filtration system