

SELMACHTM
MACHINERY

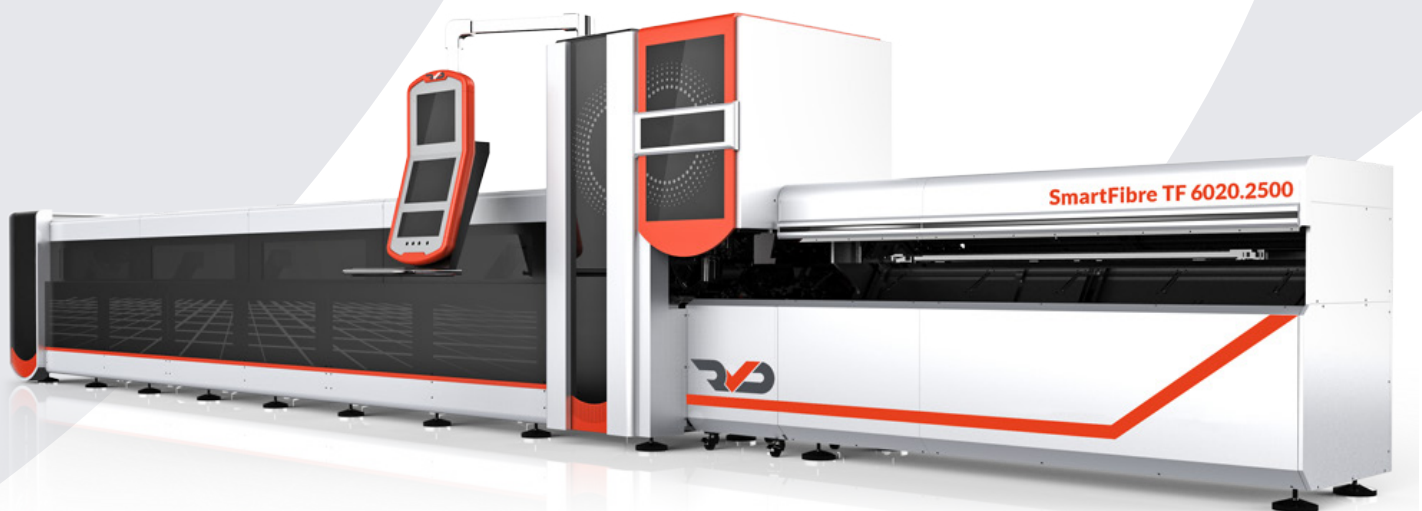
Making Metal Work



Smart Fibre TF Tube Laser

The RVD SmartFibre TF range of tube laser cutting machines are especially applicable for round, square, rectangular, oval and waist round tubes.

Manufactured with the world's leading fibre laser resonator and electronic components to ensure superior stability. The high clamping bed feature provides outstanding rigidity whilst performing at high speed and acceleration, taking your tube laser cutting to the next level.





SUPERIOR TUBE CUTTING QUALITY



OPTIONAL MAGAZINE LOADING SYSTEM

Machine Features

- High performance nLight alta™ Fibre Laser Source
- Fibre optic beam delivery system
- RayTools Autofocus Laser Cutting Head
- High strength, rigid gantry design to ensure high accuracy and allow high acceleration
- High precision class alpha rack and pinion drive motion system
- Applicable tube types : Round tube, square tube, rectangular tube, oval tube, D-shaped steel, T-shaped steel, H-shaped steel, channel steel, angle steel, etc.
- CE compliant complete machine enclosure and light barrier system
- Cypcut CNC Laser Control and Software

Optional Equipment

- Optional Magazine Loading system

WATCH THE
MACHINE IN
ACTION



TECHNICAL SPECIFICATIONS

TABLE STOCK CODE		TF6020	TF6030	TF8020	TF8030
Tube Length	mm	6000	6000	8000	8000
Tube Diameter	mm	10 - 200	10 - 300	10 - 200	10 - 300
Length	mm	12070	12070	13400	13400
Width	mm	2700	2700	2700	2700
Width with Optional Magazine Loader	mm	5000	5000	5000	5000
Height	mm	2300	2300	2300	2300
Weight	kg	8000	8000	9500	9500
Weight with Optional Magazine Loader	kg	15000	15000	17500	17500
LASER SOURCE	kW	1.5	2.5	3	4
Positioning Speed	m/min	90	90	100	100
Axis Acceleration	G	1.2	1.2	1.2	1.2
Positioning Accuracy	mm	± 0.05	± 0.05	± 0.05	± 0.03
Repeat Position Accuracy	mm	± 0.03	± 0.03	± 0.03	± 0.02
Cutting Capacity - Mild Steel	mm	14	20	22	25
Cutting Capacity - Stainless Steel	mm	6	10	12	12
Cutting Capacity - Aluminium	mm	5	8	10	12
Cutting Capacity - Brass	mm	5	8	8	12
Cutting Capacity - Copper	mm	4	6	6	6
Cutting Capacity - Galvanised Steel	mm	5	6	8	10