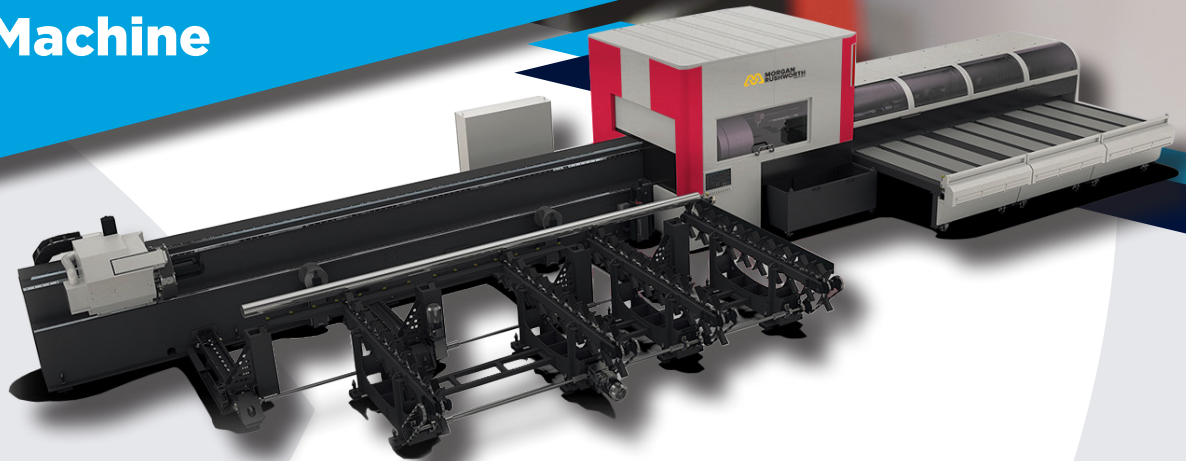




Tube Fibre Laser Cutting Machine



The Morgan Rushworth BLT Tube Fibre lasers are capable of processing up to 6,100mm tubes. With a maximum part length of 4,000mm, this machine can handle large and small parts with ease.

Featuring the Precitec Light Cutter 3D, the system can handle a multitude of profiles, including Round, Rectangular, Triangular, C, U, L, Elliptical, Obround and Custom Shapes, with diameters minimum of Ø16 up to a maximum of Ø214 mm.

Optional additions includes bevel cutting and automated loading and unloading systems.

Features and Benefits



Process Up to Ø214 mm Diameters



Handle up to 4000mm parts



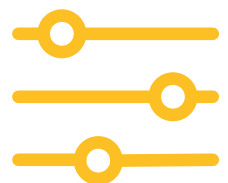
4 - 6kW Laser Power



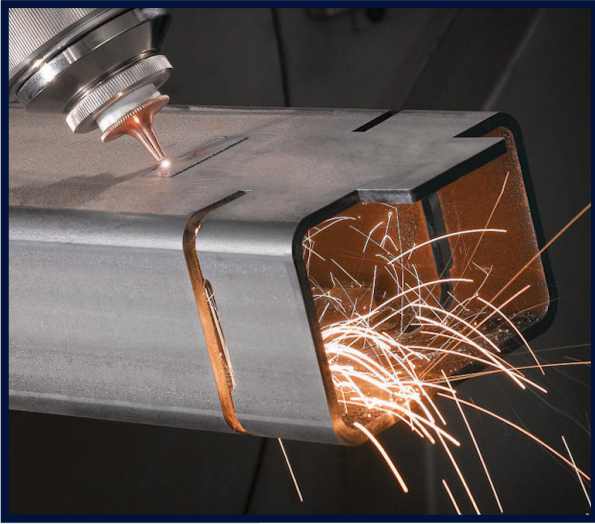
1G Acceleration



Lantek Flex3D Software



Optional Automatic Loading System



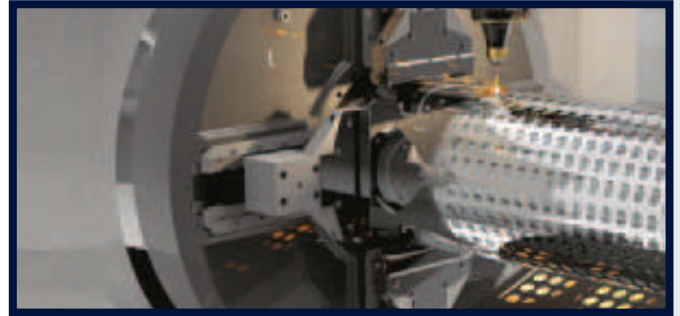
PRECITEC LIGHTCUTTER 3D CUTTING HEAD

Machine Features

- High performance nLight alta™ Fibre Laser Source
- Lantek Flex3d Software
- Fibre optic beam delivery system
- Rapid processing, programmable up to 50m/min
- Precitec Lightcutter 3D Laser Cutting Head
- High strength, rigid gantry design to ensure high accuracy and allow high acceleration
- Applicable tube types : Round, Rectangular, Triangular, C, U, L, Elliptical, Obround and Custom Shapes
- CE compliant complete machine enclosure and light barrier system

Optional Equipment

- Bevel Cutting
- Fume extractor with filters
- Air compressor and dryer
- Loading and unloading systems



TECHNICAL SPECIFICATIONS

FIBRE LASER SOURCE			4.0 kW nLight	6.0 kW nLight
Maximum Cutting Capacity	Mild Steel	mm	20	25
	Stainless Steel	mm	12	16
	Aluminium	mm	12	16

STOCK CODE	/	BLP 60012
Max. Feeding Length	mm	6,100
Profile Cutting Area	mm	4,000
Min. Feeding Length	mm	2,000 (Automatic Loading*)
Acceleration of Drive Chuck	°/s ²	7,000
Speed of Driver Chuck	°/s	560
Types of Profiles	/	Pipe, Square, Rectangular, Triangular, C, U, L
Min. Max. Round Diameter	mm	Min Ø16 / Max Ø214
Min. Max. Square Diameter	mm	Min 16x16 / Max 214x214
Length of Last Part	mm	60
Max. Tube Weight	kg/m	40
Min. Material Thickness	mm	0.8
X Axis Speed	m/min	90
Z Axis Speed	m/min	50
Acceleration	m/s ²	1.0G
Absolute Positioning Accuracy	mm	± 0.01
Repeatability (X & Y Axis)	mm/mt	± 0.02
Bevel Cutting (± 45°)	/	Optional
Automatic Loading / Unloading	/	Optional
Feed Rate	m/min	Programmable up to 45 m/min. Actual feed rate depends on material and thickness.