

XTL Section & Tube Laser (3 Chuck)

The Morgan Rushworth XTL range of section and tube laser cutting machines are especially applicable for round, square, rectangular, oval, waist round tubes and large beams.

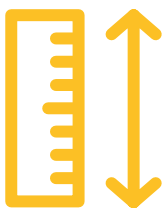
Manufactured with the world's leading fibre laser resonator and electronic components to ensure superior stability. The high clamping bed feature provides outstanding rigidity whilst performing at high speed and acceleration, taking your tube laser cutting to the next level.

With capacities all the way up to 630mm, the XTL range are built for processing big heavy material.

FEATURES AND BENEFITS



**Up to
12m Infeed**



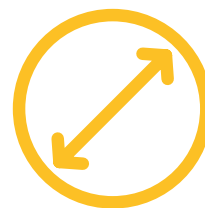
**Up to
12m Outfeed**



**6, 12 or 20kW
Laser Power**



**Up to 0.5G
Acceleration**



**Up to 630mm
Tube Diameter**



**Up to 9,000kg
Bundle Weight**



RAYTOOLS CUTTING TORCH



CHAIN LOADER LOADING SYSTEM



CUTTING EXAMPLES



PA CONTROLLER

MACHINE FEATURES

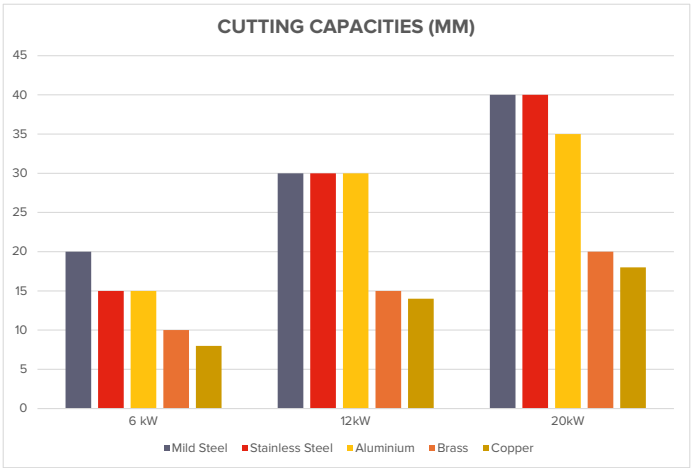
- Fibre optic beam delivery system
- Rayools Autofocus Laser Cutting Head
- Bevel Cutting Torch
- Applicable tube types : Round tube, square tube, rectangular tube, oval tube, D-shaped steel, T-shaped steel, H-shaped steel, channel steel, angle steel, I-Beams etc.
- Material Receiving and Collecting System
- CE compliant complete machine enclosure and light barrier system
- PA Control System
- Lantek / Sigmanest Software
- Chain Loader Loading System
- 3 Chuck Machine
- Scrap collection draw
- 6m Outfeed

OPTIONAL EQUIPMENT

- Bevel Head - LT Ultra
- Weld Seam Detection
- 8m / 12m Outfeed
- Head Scanning
- IPG Laser Source
- Filtration & Extraction

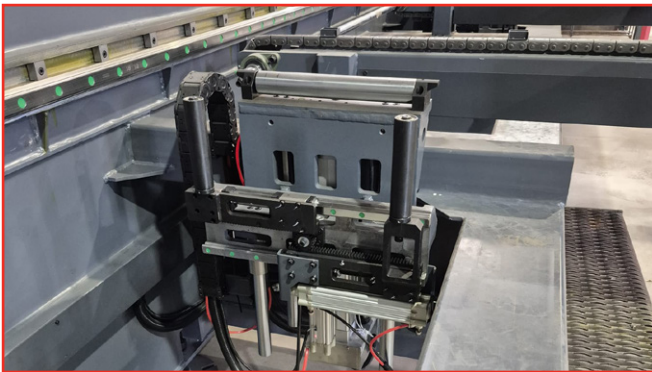
CUTTING CAPACITIES

Material	Gas	Capacity	LASER SOURCE		
			6kW	12kW	20kW
Carbon Steel	O2	mm	20	30	40
Stainless Steel	N2	mm	15	30	40
Aluminium	Air	mm	15	30	35
Brass	N2	mm	10	15	20
Copper	O2	mm	8	14	18

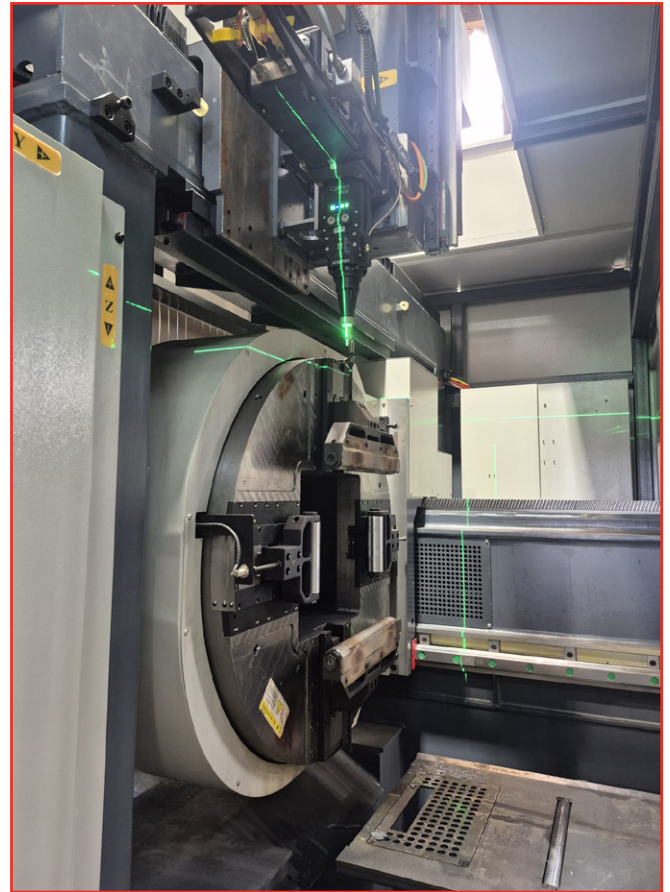




BEAM CUTTING SAMPLE



SERVO CONTROLLED SUPPORTS



TORCH AND CENTRAL CHUCK



INFEEED SYSTEM



OUTFEED SYSTEM



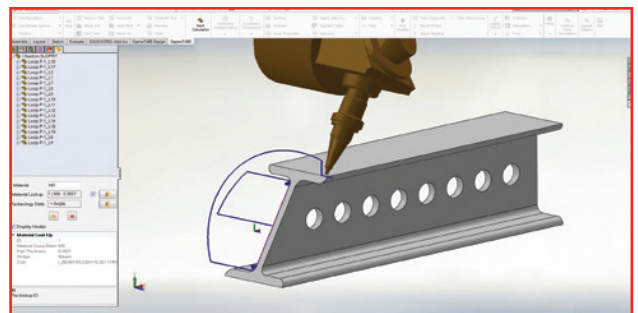
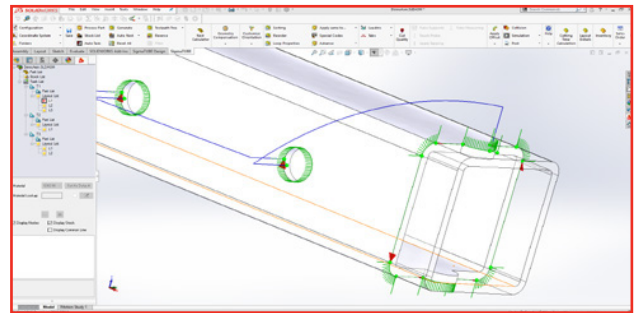
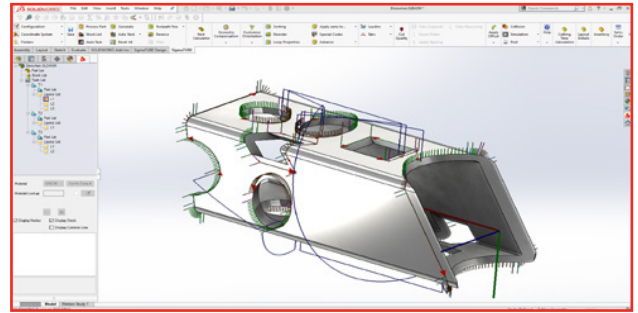
HEAVY DUTY LOADING SYSTEM

Tube and Pipe Made Simple with SigmaTUBE SW Software

While SigmaNEST covers sheet and plate, SigmaTUBE SW extends this intelligence into the world of tube, pipe, and structural cutting. Fully embedded within SOLIDWORKS, it provides fabricators with a seamless way to process complex 3D assemblies. Entire tube assemblies can be imported, automatically broken down into individual parts, and nested for maximum yield within seconds.

The software's advanced feature recognition identifies tube sections, holes, and joint details, grouping similar parts by material and cutting process. Toolpathing is designed to be both automatic and flexible, with options for weld preparation, seam compensation, and common-line cutting to reduce cycle times.

Its fully 3D environment provides instant visualisation of machine heads, nests, and toolpaths, making editing and verification straightforward. Large assemblies can be easily handled, while animated previews of the cutting process offer confidence before a single pierce is made. Reporting is equally strong, generating clear documentation on cutting length, time, toolpaths, and inventory use.



Lantek Flex3D Tubes Software

Lantek Flex3D Tubes integrates with various kinds of tubular geometry importers such as SAT and IGES. This software allows 3D design to be simple and intuitive. It gives a true vision of the resulting design profile that will eventually be cut on a machine.

This system is a parametric system which allows the user to change the values of any operations previously made, including changes to the initial parameters of each tube (lengthening, shortening, change of diameter).

Once the design stage is complete, the user can simulate optimisation of the tube (nesting) and the path followed by the cutting head. The software will directly generate the NC program in order to send this optimisation to the machine.

