

Revolutionise Your Metal Cutting with the Titan Fibre Laser Cutter T1: The Compact High-Performance Solution



Easy Control

Titan T1 Fibre Lasers have user-friendly controls via Windows PC (included) and handheld remote pendant. The Windows system integrates with networks, cloud storage, and third-party apps



Upgradable Power

With a rating of up to 3kW and an S&A chiller system, the T1 is ideal for diverse applications. Despite its compact size, our T1 delivers impressive power.



Low Running Costs

The Titan T1 Fibre Laser is designed to be energy-efficient, reducing your running costs significantly when compared to older CO2 technology.



Pull Out Loading Table

With an easily accessible slide-out bed, even awkward or heavy sheets can be positioned with ease on the generous 900 x 1300mm bed



Easy File Loading

Cypcut control software loads DXFs directly onto the laser for rapid cutting in seconds. It reduces programming time significantly, perfect for prototyping and one-offs.



Dual Circuit Chiller

All of our Fibre lasers come standard with an S&A chiller that has dual temperature control, ensuring that your power source and optics remain cool at all times.



Handheld Remote

The wireless handheld remote has a variety of functions, including moving the head around, controlling the shutter, assist gas, and much more.



Auto Focus Cutting Head

The BM111 RayTools head is standard on all of our machines and offers many features, including being 3KW ready, a built-in capacitance height sensor, and autofocus.



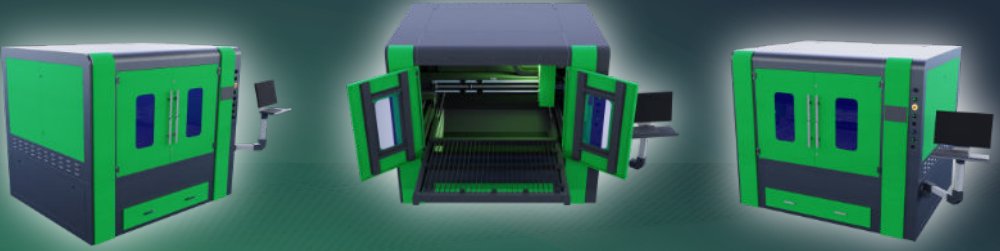
Scrap Collection

Two drawers for collecting scrap pieces are located at the front of the machine. These trays pull out and are light enough to be carried by two people, making it easier and safer to dispose of waste metal.



Compact & Fully Enclosed Build

The safety of our customers is of utmost importance to us. All of our Fibre Laser Cutters are fully enclosed to ensure the safety of both the operator and bystanders whilst extracting vapours safely.



CE Rated Viewing Panels

All of our Fibre Laser Cutters come with CE-rated Laser viewing glass for operator safety.



Software Included

All of our Titan Fibre Lasers come with software packages associated with the systems. We also offer upgrades to either Libellula or RADAN.



Cyclone Extraction

Optional Cyclone extraction systems manufactured in Europe with full CE specification. Can be installed internally or external with the optional weather cowling.



UK Engineering Team

All of our engineers are based right here in the UK and form part of our installation and support teams.



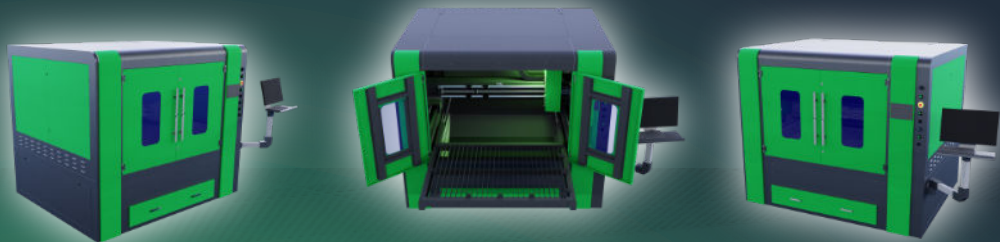
Warranty & Aftersales

All Titan T1 systems come with a 24 month parts and labour warranty for peace of mind. Our after sales is UK based and includes lifetime support via email and telephone.



A Smart Investment:

“The Titan T1 Fibre Laser Cutting Machine Ensures Your Business Stays Ahead of the Game”



Easy to use, reliable CO2 Lasers



COMPACT SYSTEM



EASY TO USE

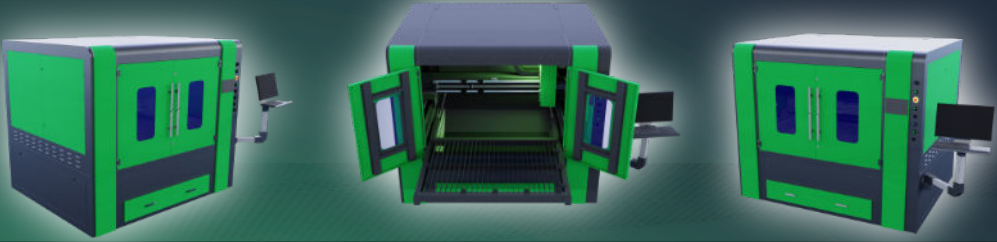


RELIABLE



INSTALLATION INCLUDED

Bed sizes (mm)	A compact yet spacious cutting bed of 1300 x 900 mm
Bed type	Low contact blade cutting table
Safety enclosure	Yes – full safety enclosure to protect your operators from any stray beams and to aid in the safe extraction of cutting vapour
Laser source power options	500W, 750W, 1kW, 1.5kW, 2kW
Cutting head	Raytools autofocus system
Servo drives	Yes - Yaskawa
Drive system	Double Y axis ball screw transmission
Guide rails	HIWIN
Ball screw	TBI
Water chiller	Yes – S&A CWFL Series (model, laser source dependent)
CNC control	Cypcut
Software package	Cypcut laser cutting control system
Consumables	X6 nozzles, X6 protective lenses, X1 focusing lens
Power requirements	3 Phase AC 380V 50HZ
Delivery and installation	Included (offloading and positioning are available upon request). Installation and training included



Machine dimensions

Model	T1
Length	2700 mm (with PC control arm)
Depth	2000 mm
Height	2050 mm
Weight	Appx 1400kg

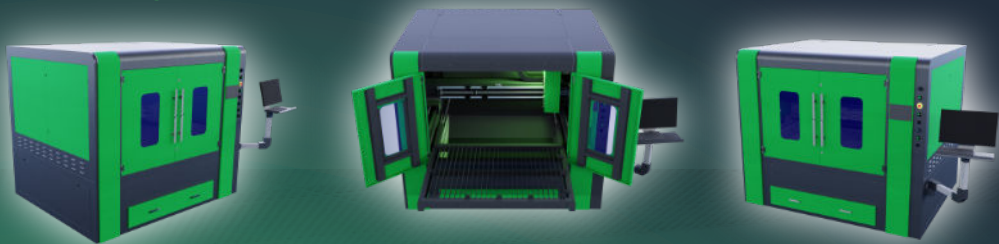
Chiller dimensions	S&A
Length	550 mm
Depth	770 mm
Height	1030 mm
Weight	Appx 95kg

Cut capacity*

*Please note maximum cut thickness, expect burr and or dross, may differ due to material variation and or local environmental factors <

Material	500W	750W	1kW	1.5kW	2kW
Carbon steel	5 mm (max)	8 mm (max)	10 mm (max)	14 mm (max)	18 mm (max)
Stainless steel	3 mm (max)	4 mm (max)	5 mm (max)	6 mm (max)	8 mm (max)
Aluminium	2 mm (max)	3 mm (max)	3 mm (max)	4 mm (max)	5 mm (max)
Brass	1.5 mm (max)	2 mm (max)	2 mm (max)	3 mm (max)	4 mm (max)
Copper	0.5 mm (max)	1.2 mm (max)	2 mm (max)	3 mm (max)	3 mm (max)

Please check with your Mantech Sales Engineer if you have any special cutting requirements.



FAQ's

Why choose the Titan T1?

It's compact, powerful and feature-rich. Perfect for customers looking for a small footprint, yet impressive Fibre Laser Cutter but one that is also very competitively priced.

Do you supply software with the machine?

Yes, as standard they come with Cypcut control software which for most customers is fully sufficient, however, should you need some more advanced features, we can also supply Libellua or RADAN with your machine of choice.

Is training and delivery included?

All of our Fibre laser cutters include our standard UK mainland delivery and include full training on your new machine and how to operate the software to send jobs to be processed by the machine, alongside guidance on material testing etc.

Do you supply materials, consumables and parts?

We understand that keeping any downtime to the bare minimum is very important for our customers, we hold a wide variety of stock items on the shelf should the need for service arise. All stock is held at our headquarters in Halesowen.