GCC LASER CUTTER
T500 LASER CUTTER
CLEAR AND FINE CUTTING RESULTS

RF METAL TUBE LASERS









| OVERVIEW |

Equipped powerful 200W laser allow user to deliver clear and fine cutting result. GCC LaserPro T500 Laser Cutter is capable of exceptional 3D engraving quality and cutting at high speed which make it a high ROI laser system on the market.

The T500 is a dedicated design to fulfill your cutting and engraving needs in one machine with high throughput and superb quality. With a series of user-definable features, the T500 is the flexible and user-friendly laser system for your choice.

| KEY FEATURES |

- RoHS Compliance
- AC Servo Motor and Unique Motion
- Excellent Speedy Scribing Quality
- AAS Contour Cutting Device (patented)(Optional)
- SmartPOINT Positioning Device (Patented
- Outstanding Cutting Capability
- Superior Engraving Quality
- Knife-shaped Cutting Table
- LED Light Illumination System
- Grid Cutting Table
- Pass-through Front to Rear Doors (Optional)
- Built-In Networking Connection
- Bridge Cutting

| OPTIONAL ITEMS |

- Wi-Fi Router
- Stack Light Set
- SmartGUARD™ Fire Alarm (Patented)
- SmartPRINT™
- Supporting Pin Kit
- Air Extraction System - T500, X500III
- Rotary Chuck - T500
- Roll Holder System
- Extension Table
- Water Chiller
- AAS Contour Cutting Device
- SmartTOOL™

Dimensions

Dimensions	1900 x 1400 x 1200 mm
Max Part Size	1346 x 916 x 127 mm - 2"/4" lens (w/o cutting table)
Max Part Size	1346 x 916 x 76.2 mm - 6" lens (w/o cutting table)
Max Part Size	1346 x ∞ x 25 mm - 2"/4" lens (doors open)
Max Part Size	1325 x 889 x 114 mm - 2"/4" lens (with cutting table)
Max Part Size	1325 x 889 x 38 mm - 6" lens (with cutting table)
Work Area	1300 x 905 mm
Weight	420kg (60, 80, 100W) /440 kg (150, 200 W)

Technical Specification

Laser Wattage	60W, 80W, 100W, 150W, 200W
Laser Source	Sealed CO2 Laser
Cooling	Air-cooled (60,80,100) / Water-cooled (150, 200)
Driver	AC servo Control
Max Speed*	1.01 m/s (40 in/s)
Speed Control**	Adjustable from 0.1-100%
Power Control**	Adjustable from 1-100%
Engraving Capability	256-level gray scale image processing capability
Distance Accuracy	0.254 mm or 0.1% of move, whichever is greater
Z-Axis Movement	Manual
Resolution (DPI)	Available 125, 250, 300, 500, 600, 1000
Computer Interface	10 Base-T Ethernet USB Type-A 2.0 – For USB storage (Max. 32GB capacity, FAT file system) USB Type-B 2.0 – For connecting with the comp.
Focus Lens	***Standard 4"*** focal lens in enclosed lens carriage (Optional 2"/6" lens) - 60, 80 100W) ***Standard 6"*** focal lens in enclosed lens carriage (Optional 2"/4" lens) - 150, 200 W
Display Panel	4-line LCD panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus.
Safety	Class 1 Laser Product Compliant with EN60825 Class 2 Laser Product Compliant with CDRH 2006/42/EC Machinery Directive Compliance Class 4 Laser Product Compliant with CDRH with the optional pass-through door module
Cutting Table	Knife-shaped cutting barswith alumminum grid cutting table
Operation Voltage	200-240VAC. 50/60Hz auto switching Max. 15A (60,80), 25A (100, 150), 30A (200)
Fume Extraction System	External exhaust system with minimum flow rate 2000m3/h (CFM 1177 ft3/min) is required, 3.8kPA negative pressure

** Speed is not equal to throughput.*
*** Up to 16 colour linked power settings per job*
The flow rate is determined by a default fume extraction system; the flow rate may vary due to a di fferent fume extraction system.

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* Images are for reference only and may differ from the final product
** Flamefast reserves the right to change product specification without prior notice

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