



LTT Laser Engravers . . .
simply the best value laser
engraver on the market

Laser Equipment
Since 1987



Engineered and Quality Built
Machinery Made in Taiwan

Proudly sold and serviced by:

PULSE
LASER SYSTEMS
TRUSTED MACHINERY SUPPLIER SINCE 1992

2017 CATALOG



ABOUT LTT

Why buy an LTT Laser?

LTT (Laser Tools and Technics Corp) was founded back in 1987 by CEO Mr Moses Tang. Moses had a vision to create well-built, advanced laser engravers, and today that is exactly what they do. In fact, laser design and manufacturing is the company's only focus, with Moses heading up software development personally, in a hands-on role.

People first

Many of the staff have been there since close to the beginning and the company has a culture of listening, inspiring and developing. LTT listens to their customers and accommodates change for advancement of the product. The flexibility of LTT's technology means we can customize the machines to your requirements.

LTT make good on promises to their clients

Honesty and commitment are our basic attitudes in life and at work. LTT does not exaggerate, we don't criticize our peers; and we do not pretend to say one thing and do another. Our main principle is to deliver on what we have promised.

To maintain quality

At LTT our mission is to prioritize quality and to try to get everything right the first time. LTT will never put second-rate products into the hands of our customers. Quality is the one thing LTT will never compromise on.

To be people-oriented

LTT believes in people. We believe that, through mutual trust and honesty, appropriate training, and complete on-the-job experience, the average employee can become a mature talented person who takes initiative, who is creative as well as productive.

Options and choice

LTT doesn't lock you into laser tube vendors. On offer is the ever reliable USA Synrad Co2 tube, the Iradion Ceramic core Co2 tube and the USA Coherent Co2 tube. This, along with the many features LTT has to offer, make LTT a market leader in the quality built range of Laser Engraving Technology. LTT machinery is highly engineered, finished to the highest standard, and uses the best componentry available. Every component in your machine is documented for warranty tracking.

Warranty Choices

LTT Laser Engravers are manufactured in Taiwan and come standard with 2 Year Warranties. The warranty is not for just some components but for everything. That includes the laser tube, the mirrors, the lens - in fact every component, inside the machine. Additionally, you may choose to purchase a non-expiring warranty option. This means your warranty never expires (Up to 10 years). See our warranty policy for details.

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24-HOUR, 7 DAYS A WEEK SERVICE

V 2000

Compact and affordable engraving

V 2000

FEATURES

Table Size	450mm x 310mm
Z Height lift	150mm
Focus	Automatic
Max engraving Speed	60" per second
Tube Power	30W or 60W
Drive Type	Stepper
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 1000 DPI
Maximum load weight	15Kgs
Lens options	1.5" & 2.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



450mm x 310mm table size
Synrad 30W & 60W available

All 3 doors open for longer parts
Automatic Focus

Standard Features:

Automatic focus, Soft close lid, Red dot pointer, Internal LED lighting, Oilless compressor, 3 opening doors for oversized objects, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, Rotary unit, Multifunction Jig, software controlled extraction on/off, Filtered extraction System, Non filtered extraction, Movable Stand, Non-expiring warranty up to 10 years.



FEATURES

Table Size	610mm x 420mm
Z Height lift	150mm
Focus	Automatic
Max engraving Speed	60" per second
Tube Power	30/40/60/80W or 100W
Drive Type	Stepper
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 1000 DPI
Maximum load weight	20Kgs
Lens options	1.5" & 2.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



610mm x 420mm table size
Synrad 30W to 100W available

All 3 doors open for long parts
Automatic Focus

Standard Features:

Automatic focus, Soft close lid, Red dot pointer, Internal LED lighting, Oilless compressor, 3 opening doors for oversized objects, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, rotary unit, Multifunction jig, software controlled extraction on/off, Filtered extraction System, Non filtered extraction, Movable Stand, Non-expiring warranty up to 10 years.



ILS 3V

Ideal for trophy & sign shops

ILS 3V

FEATURES

Table Size	660mm x 495mm
Z Height lift	210mm
Focus	Automatic
Max engraving Speed	60" per second
Tube Power	25/30/40/50/60/80W or 100W
Drive Type	Stepper
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 1000 DPI
Maximum load weight	20Kgs
Lens options	1.5", 2.0", 2.5" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



660 x 495 table size
Synrad or Ceramicore 25/30/60/80/100 Watts
Front and Rear open for longer parts

Easy-to-use operator controls
Automatic Focus

Standard Features:

Automatic focus, Red dot Automatic focus, Internal LED lighting, Oilless compressor, 2 opening doors for oversized objects, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, rotary unit, Multifunction Jig, software controlled extraction on/off, Filtered extraction system, Non filtered extraction, Non-expiring warranty up to 10 years.



i3000 Series

Ideal for trophy, sign shops & manufacturing

FEATURES

Table Size	700mm x 500mm
Z Height lift	230mm
Focus	Automatic
Max engraving Speed	80" per second
Tube Power	30/40/60/80W or 100W
Drive Type	Yasukawa Servo
Metal Tube Type	Synrad or Iradion ceramic core
Engraving Resolution	Up to 1000 DPI
Cutting Resolution	Up to 4064 DPI
Maximum load weight	20Kgs
Lens options	1.5", 2.0", 2.5" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



700mm x 500mm table size
Synrad/Ceramic 30W to 100W
All 4 sides open for longer parts

CCD camera option available
Max speed 80" per second

Standard Features:

Automatic focus, Red dot pointer, Internal LED lighting, Oilless compressor, All 4 opening doors for oversized objects, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, Rotary unit, Multifunction Jig, software controlled extraction on/off, Filtered extraction System, Non filtered extraction, Non expiring warranty up to 10 years.



i4000 Series

Ideal for trophy, sign shops & industrial manufacturing

i4000 SERIES

FEATURES

Table Size	1000mm x 600mm
Z Height lift	230mm
Focus	Automatic
Max engraving Speed	80" per second
Tube Power	30/60/80W or 100W
Drive Type	Yasukawa Servo
Metal Tube Type	Synrad or Iradion ceramic core
Engraving Resolution	Up to 1000 DPI
Cutting Resolution	Up to 4064 DPI
Maximum load weight	20Kgs
Lens options	1.5", 2.0", 2.5" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



1000mm x 600mm table size
Synrad/Ceramic 30W to 100W
All 4 sides open for longer parts

CCD camera option available
Max speed 80" per second

Standard Features:

Automatic focus, Red dot Automatic focus, Red dot pointer, Internal LED lighting, Oilless compressor, 4 opening doors for oversized objects, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, rotary unit, Multifunction Jig, software controlled extraction on/off, Filtered extraction system, Non filtered extraction, Non expiring warranty up to 10 years.



FEATURES

Table Size	600mm x 500mm
Z Height lift	50mm
Focus	Automatic
Cutting speed	400mm per second
Tube Power	30/60/80W/100W & 200W
Drive Type	Yasukawa Servo/Ball Screw
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 4064 DPI
Maximum load weight	30Kgs
Lens options	2.0" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
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Meets Australian standards	



ACCESSORIES



Synrad Laser Tube
Industrial grade machine
CCD Camera

Japanese Yasukawa Servo motor motion control
system
XYZ ball screws drive system

Standard Features:

Automatic focus, Red dot pointer, Internal LED lighting, Oilless compressor, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, Special design glass for Kiss cutting table, 9.3um and 10.3um tube options, Multifunction Jig, software controlled extraction on/off, Filtered extraction system, CCD Camera, Non filtered extraction, Non expiring warranty up to 10 years.



SLC-M+

Ideal for larger precision industrial cutting

SLC-M+

FEATURES

Table Size	600mm x 600mm
Z Height lift	50mm
Focus	Automatic
Max engraving Speed	400mm per second
Tube Power	30/60/80W/100W & 200W
Drive Type	Yasukawa Servo/Ball Screw
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 4064 DPI
Maximum load weight	30Kgs
Lens options	2.0" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



ACCESSORIES



- Synrad Laser Tube
- Industrial grade machine
- CCD Camera

- Japanese Yasukawa Servo motor motion
- XYZ ball screws drive shaft
- Working area: 600mm x 600mm

Standard Features:

Automatic focus, Red dot pointer, Internal LED lighting, Oilless compressor, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, Special design glass for Kiss cutting table, 9.3um and 10.3um tube options, Multifunction Jig, software controlled extraction on/off, Filtered extraction system, CCD Camera, Non filtered extraction, Non expiring warranty up to 10 years.



FEATURES

Table Size	1000mm x 730mm
Z Height lift	50mm
Focus	Automatic
Max engraving Speed	400mm per second
Tube Power	30/60/80W/100W & 200W
Drive Type	Yasukawa Servo/Ball Screw
Metal Tube Type	Synrad or Iradion ceramic core
Resolution	Up to 4064 DPI
Maximum load weight	30Kgs
Lens options	2.0" & 4.0"
Power control	0.1% to 100%
Connectivity	USB & Ethernet
Electrical	Single phase - 240V
Safety	Safety interlocks standard
Windows Support	All versions up to Win 10
Software	Most windows programs supported
2 Year All-Parts Warranty	Non-expiring warranty available
Meets Australian standards	



ACCESSORIES



USA Synrad Laser Tube
Industrial grade machine
CCD Camera

Japanese Yasukawa Servo motor motion control
system
XYZ ball screws drive shaft

Standard Features:

Automatic focus, Red dot pointer, Internal LED lighting, Oilless compressor, Built in air assist, Software controlled compressor on/off, Water trap filter, Electronic power conditioning filter, Emergency Stop button, Key lock prevention, Windows driver, 2 year everything warranty - all components including mirrors and lens etc, full after sales support including training.

Options:

Honeycomb table, Vacuum honeycomb table, Special design glass for Kiss cutting table, 9.3um and 10.3um tube options, Multifunction Jig, software controlled extraction on/off, Filtered extraction system, CCD Camera, Non filtered extraction, Non expiring warranty up to 10 years.



ACCESSORIES

Precision industrial cutting

Honeycomb Table



A honeycomb table is ideal for reducing melting of your material when cutting. It raises the job off the aluminum table, provides an airgap which allows smoke, heat and debris to be drawn away giving a much more desirable result on the bottom edge of heat sensitive material like paper, acrylic and timber etc.

Honeycomb Vacuum Table



A honeycomb vacuum table is ideal for producing a better quality cut on most materials. Just as important, it aids in keeping your thin materials flat to ensure consistent engraving across the job. It raises the job off the aluminum table, provides an airgap which allows smoke, heat and debris to be drawn away giving a much better bottom edge. There is a handy debris capture draw making it easy to keep the vacuum box clean without having to remove it.

Lens Options



All LTT lasers have different lens size options for each machine. We supply the machines with a 2" lens as a standard; however, if you need a 1.5" or 4" we can supply, and it is very quick and easy to change. A new automatic focus probe is supplied with the different lens option.

Multi-function Jig



A must have for the making Rubber Stamp, Awards, Badges and Medals. It is ideal for holding any sized stamp, badges, odd shaped objects and odd shaped awards. There are 4 pins and multiple positions available for the pins to accommodate odd sized object.

Rotary Attachment



This device allows for engraving of round objects. For example wedding glasses, wine glasses, bottles, flasks or any spherical object. Easy magnetic lock system allows for a quick change of objects with ease and accuracy.

V2000

Max Diameter 120mm
Max length 306mm

V3000

Max Diameter 120mm
Max length 415mm

ILS 3V/i3000 and i4000

Max Diameter 240mm
Max length 415mm

Filtered Extractor



I have been selling these systems for about 15 years. Our filtered extraction systems are built here in Australia to Australian standards. Running at 1200cfm they are whisper quiet and very effective at removing debris down to a few microns. A 3 years manufacturer's warranty applies.

Non-Filtered Extractor



If you are in an environment where safe extraction to the outside is possible then this option is very cost effective. If you cannot safely vent outside then you will need to consider our Australian made filtered extraction system.

Factory Compressor



I have been selling these compressors for about 20 years with zero failure rate. They are quiet, efficient and perform in the harshest of environments providing air assist to your jobs and to the dust protection system for the mirrors.

Why buy your LTT Laser engraver from Pulse Laser Systems?

Gary Chapman started selling machinery into the Sign & Advertising markets back in 1992. Success has come from a culture of good customer support, introduction of innovative new products, diverse experience of which all these factors have given Gary experience longer than most in the industry.

Experience

Gary has had a hands-on role selling, installing and servicing technology since 1992. As well as being a qualified electronics technician, Gary holds accreditations from several laser manufacturers as well as being I cut certified in Australia. It costs nothing to talk and Gary is always happy to have an honest conversation about your needs. Advice given may even be for machinery from another company as we don't sell for the sake of selling.

Trusted Credible Advice

Gary has a worldwide network of suppliers that he deals with. As a result we are on top of new technology, and in some instances before public release. So if you are looking for a solution or help with a project speak to Gary and get real advice from a trusted professional. The kettle is always on if you want to call in for a coffee and chat.

Support when you need it

Support is the heartbeat of every business, even ours, so we know how important it is to your business. It's vital that client issues are resolved in the fastest possible time and Gary and his team know this. Our team is highly skilled and factory trained to ensure you get the most from your investment. We provide a free call 1800 077 888 number that is manned 24/7.

We Care About Happy Customers

Does it get any better in business than having happy customers?

No it doesn't . . . simple as that.

We strive to make sure all customers are happy with their investment and are well supported. Gary has many customers who would be more than happy to give a referral on their dealings with Gary. Just ask!

**Whatever you need, just call us
24/7 on 1800 077 888**

Gary & the Team

