



LaserPower Australia

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Address: No 5 Forge St Welshpool 6106
Tel: 0411 964 817

Web.: www.laserpoweraustralia.com
Email: info@laserpower.com.au

PURSUIT OF EXCELLENCE
ADVANCING WITH TECHNOLOGY
CREATING THE FUTURE



A Culture of Quality

LaserPower Australia

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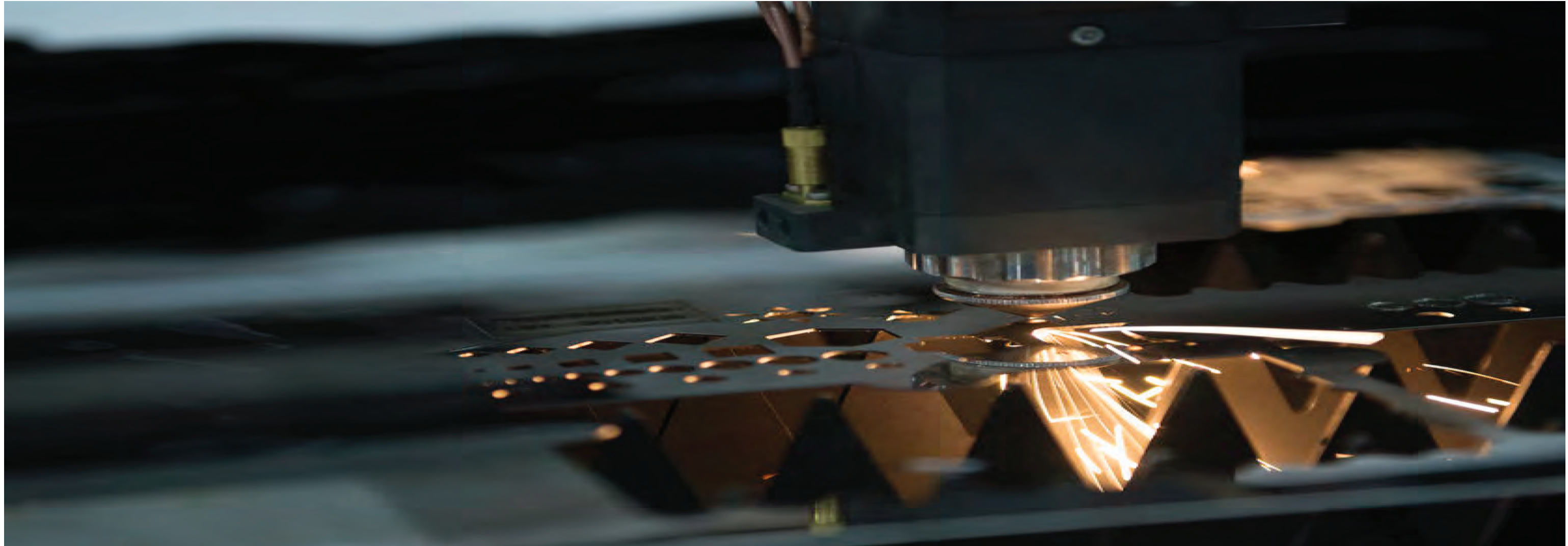
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LaserPower Australia

[Company Profile]

LaserPower Australia is a high-tech enterprise with co-operative R&D, production and sales of industrial laser machines. It's one of the market leader in laser machines business. Quality is our Aim.

Our company cooperates with top class laser optical technology teams from Germany and US, **developing core optical techniques research**. After ten years' of development in the market to improve product structure, product technical performance and integrated management system to gradually become a laser processing leader, integrating product development, design, manufacturing and after-sales service.

Our products cover the three principal areas: **laser cutting, laser marking and laser welding machines.**

Products which are widely used in Sheet metal processing, medical equipment, aerospace, automobile manufacturing, tool marking, bearing marking, hardware, electronic components, food packaging, medicines, gifts, textiles and so on.

We strictly abide by the ISO9001: 2008 quality system standards and follow European CE and US FDA certification standards. Our products are exported to Southeast Asia, Middle East, America and most countries in Europe. Our global market share is as high as 40%. We have professional laser optics research team, closely connected to the forefront of world advanced optical technology, continuing to pursue technological innovation, endeavoring to provide more reasonable and better laser processing solutions.

LaserPower, enjoys a high market share and excellent reputation and leads Chinese industrial laser development orientation, endeavoring to become a worldwide brand of laser processing equipment.

Please contact us to discuss your needs, **LaserPower Australia** we look forward to helping you.



LaserPower Australia

[Our value message]

Integrity
Cooperation
Innovation
With LaserPower you are in safe hands.
We use the machines we sell, everyday



FIBER LASER MARKING MACHINE

Advantages

- Pulse fiber laser source expected 100000 hr Life.
- Cost effective: No Consumables
- Professional control system for logo's, serial numbers, Bar codes or data matrix on both metals and some non-metals.
- English interface, very easy operation.
- Fast marking speed; high marking precision.
- Permanent marking.

Applicable Materials

Metals and alloys (carbon steel/mild steel, stainless steel, aluminum, copper, magnesium, zinc, etc.), rare metal and alloy's (gold, silver, titanium, etc.) Some plastics, ABS, Clipsal Plates etc. Surface treated materials such as Powder Coated steel, anodized aluminum, plated surfaces and many more.

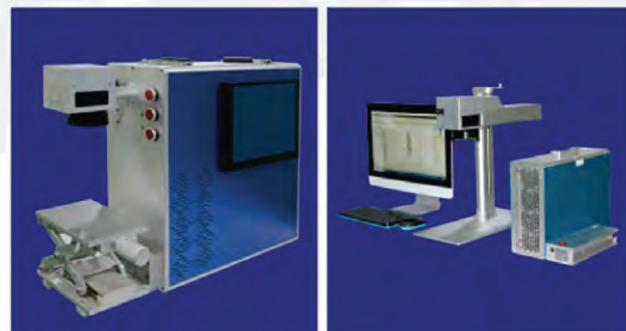
Applicable Industries

Electronic components, IC, electrical appliances, mobile phones, plastic buttons, coloured paper, food packaging, watches, molding, gaskets and seals, tools bearings, auto parts, hardware, PVC parts



Standard Design

Split Type



Portable Design

Economical Design

Application Example



Technical Parameters

| | |
|---------------------------------|--|
| Wavelength | 1064nm |
| Fiber Laser Source | IPG; Raycus; JPT; Max (optional) |
| Laser Power | 10W; 20W; 30W; 50W; 60W (optional) |
| Marking Area | 110mmx110mm; 200mmx200mm; 300mmx300mm (optional) |
| Min. Line Width | 0.03mm |
| Min. Character Size | 0.5mm |
| Marking Speed | ≤16000mm/s |
| Pulse Width | ≤60us |
| Repetition Positioning Accuracy | 10urad |
| Laser Type | Pulse Laser |
| Laser Mode | Single Mode |
| Positioning Mode | Red Beam |
| Cooling | Air Cooled |
| Power Supply | Single Phase AC 220V, 50/60Hz |

FULLY SEALED FIBER LASER MARKING MACHINE

Features

- Fully sealed automatic door
- Protect eyes against from laser during operation
- Keep laser lens clean
- Reduce damage caused by dust during operation

Applicable Industries

Electronic, IC, electrical appliances, mobile phones, plastic buttons, coloured paper, food packaging, watches, molding, gaskets and seals, tools bearings, auto parts, hardware, PVC parts

Application Example



Technical Parameters

| Model | | Unit | LP-CO2LM10 | LP-CO2LM20 | LP-CO2LM30 |
|-----------------------|-------------------------|------|--|------------|------------|
| Marking Parameters | Marking Size | mm | 110x110/150x150/180x180/200x200/300x300 (optional) | | |
| | Marking Speed | mm/s | 7000 | | |
| | Min. Character Size | mm | 0.3 | | |
| | Min. Line Width | um | 50 | | |
| Laser Characteristics | Laser Type/Wavelength | nm | Fiber /1064nm | | |
| | Output Power | w | 20/30/50 | | |
| | Power Stability | rms | <±1% | | |
| | Laser Beam Quality (M2) | | <1.5 | | |
| | Laser Safety Class | | ClassIV | | |
| Other Parameters | Protection Class | | IP54 | | |
| | Cooling | | Air Cooled | | |

CO2LASER MARKING MACHINE

Advantages

- RF Metal Tube - Longer Lifetime
- High Marking Precision
- English Operation System and Marking Software.
- Fast Marking Speed; High Marking Precision.
- Permanent Marking.

Applicable Materials & Industries

Widely used for non-metals marking such as paper,PVC,ABS,PP,PE,acrylic, cloth, leather, resin, wood, etc .

Application Example



Technical Parameters

| Model | | Unit | LP-CO2LM10 | LP-CO2LM30 | LP-CO2LM60 |
|-----------------------|---------------------|------|----------------------------|------------|------------|
| Marking Parameters | Marking Size | mm | 110x110/200x200 (optional) | | |
| | Marking Speed | mm/s | ≤7000 | | |
| | Min. Character Size | mm | 0.15 | | |
| | Min. Line Width | mm | 0.8 | | |
| | Repetition Accuracy | mm | ±0.03 | | |
| Laser Characteristics | Wavelength | nm | 10600 | | |
| | Power | w | 10 | 30 | 60 |
| | Power Stability | | 5% | | |
| | Protection Class | | IP54 | | |
| | Cooling | | Air Cooled | | |
| | Power Supply | | 220V,50/60Hz | | |
| Other Parameters | Power | kW | 1.5 | | |
| | Humidity | | 45%-75% | | |

FL YING CO2 LASER MARKING MACHINE

Advantages

- Using a CO2 laser source.
- Good beam quality; precision laser beam; long lifetime.
- It's installed in production line to realize flying marking function.
- It's equipped with high speed galvanometer with fast marking speed and high marking precision.
- Compared with traditional printing, it boasts permanent marking and easy for traceability

Application

It can mark logo, character, production date, expiry date, lot number, batch number on outer package of food, beverage, medicine, etc. It's widely used in food and pharmaceutical package industries.

Application Example



Technical Parameters

| Model | | Unit | LP-CO2LM10 | LP-CO2LM30 | LP-CO2LM60 |
|-----------------------|-------------------------|------|------------------------------------|------------|------------|
| Marking Parameters | Marking Size | mm | 110x110/150x150/180x180 (optional) | | |
| | Marking Speed | mm/s | 7000 (adjustable) | | |
| | Min. Character Size | mm | 0.3 | | |
| | Min. Line Width | um | 50 | | |
| | Laser Type/Wavelength | nm | CO2 Laser/10600 | | |
| Laser Characteristics | Output Power | w | 10 | 30 | 60 |
| | Power Stability | rms | <±1% | | |
| | Laser Beam Quality (M2) | | <2 | | |
| | Laser Safety Class | | ClassIV | | |
| | Protection Class | | IP54 | | |
| Other Parameters | Cooling | | Air Cooled | | |
| | Power Supply | | 220V, 50/60Hz | | |

FIBER LASER CUTTING MACHINE (3015)

Features

Worktable is precision welded by argon arc. It's gantry structure creates stable operation and high accuracy. It's equipped with imported precision ball screw or rack and pinion with linear guide rail, which ensures high precision, high efficiency and high stability.

Advantages

- Long lifetime; excellent beam quality; precise and smooth cutting edge.
- Fast cutting speed. it's much quicker than co2 laser cutting machine.
- High conversion rate between laser and electricity. (as high as 30%); low electricity consumption.
- Low operation costs, higher cutting speeds which saves on power and assist gases.
- High stability and precision.
- Powerful functions. it's equipped with professional CNC cutting software, which supports DXF, AI, GBX files. boasts below functions, including bridge connection, leapfrog, slotting compensation, etc.
- High speed; high efficiency; low gas consumption low electricity consumption = Low operation costs.

Applicable Materials & Industries

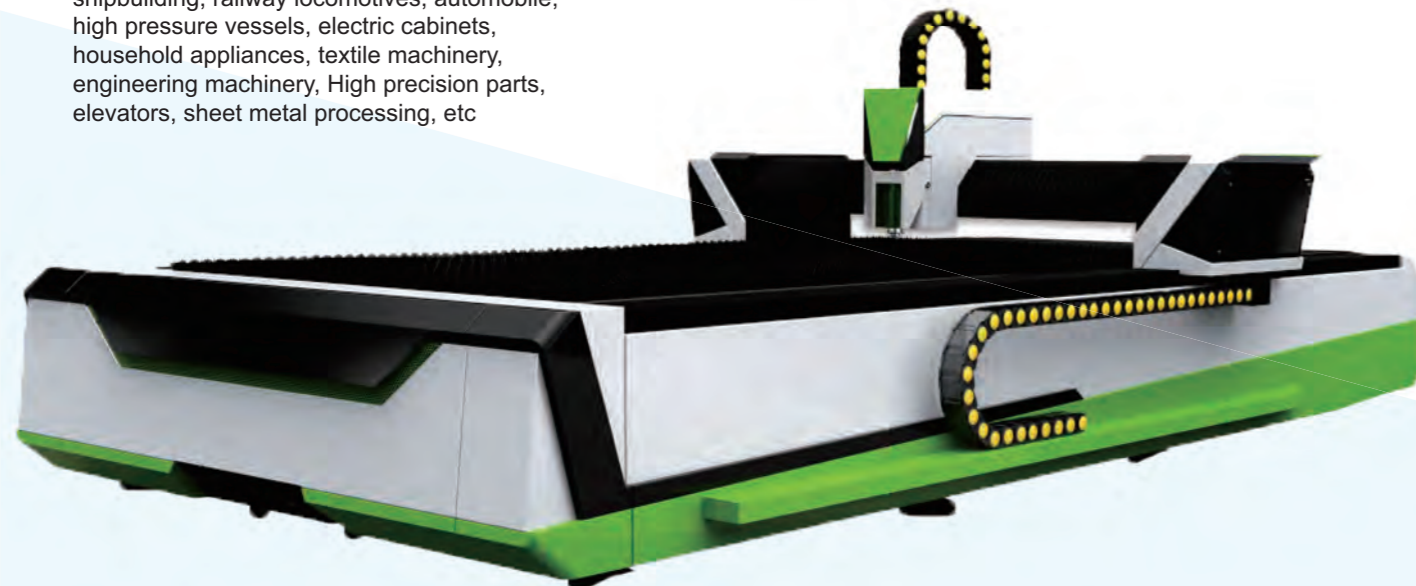
Applicable Materials: carbon steel or mild steel, stainless steel, alloy, manganese steel, aluminum, galvanized sheet, titanium, etc.

Applicable Industries:

shipbuilding, railway locomotives, automobile, high pressure vessels, electric cabinets, household appliances, textile machinery, engineering machinery, High precision parts, elevators, sheet metal processing, etc

| Technical Parameters | |
|-------------------------------------|-----------------|
| Cutting Size | 3020mmx 1520mm |
| Max. Acceleration | 1.5G |
| X/Y Repetition Positioning Accuracy | ±0.03mm |
| Power Consumption | <20KVA |
| Operation Temperature | 0°C-40°C |
| Transmission | Rack and Pinion |
| Max. Operation Speed | 120m/min |
| X/Y Positioning Accuracy | 0.05mm/m |
| Power | 500W-3000W |
| Power Supply | 380V, 50Hz |
| Humidity | <90% |
| Weighth | 4200KG |

Application Example



FIBER LASER CUTTING MACHINE WITH TWO EXCHANGEABLE TABLES (4020)



Features

Features imported rack and pinion, which ensures high precision, high efficiency and high stability. also features wireless remote control through a hand held device.

Advantages

- Two Exchangeable Tables
- Improve 30% Process Efficiency
- Fully Sealed Protection Cover

Applicable Industries

Shipbuilding, railway locomotives, automobile, high pressure vessels, electric cabinets, household appliances, textile machinery, engineering machinery,

Application Example



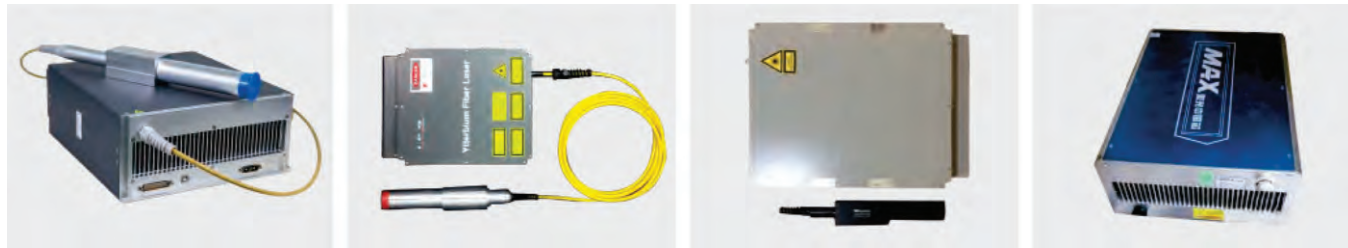
Performance technical parameters

| | |
|-------------------------------------|----------------------------|
| Cutting Size | 4020mmx2020mm (customized) |
| Max. Acceleration | 1.2G |
| X/Y Repetition Positioning Accuracy | ±0.03mm |
| Whole Power Consumption | <20KVA |
| Operation Temperature | 0°C-40°C |
| Transmission | Rack and Pinion |
| Max. Operating Speed | 120m/min |
| X/Y Positioning Accuracy | 0.05mm/m |
| Power | 1000W-6000W |
| Power Supply | 380V, 50Hz |
| Humidity | <90% |
| Weighth | 10500KG |

LASER PARTS FOR LASER MARKING MACHINE

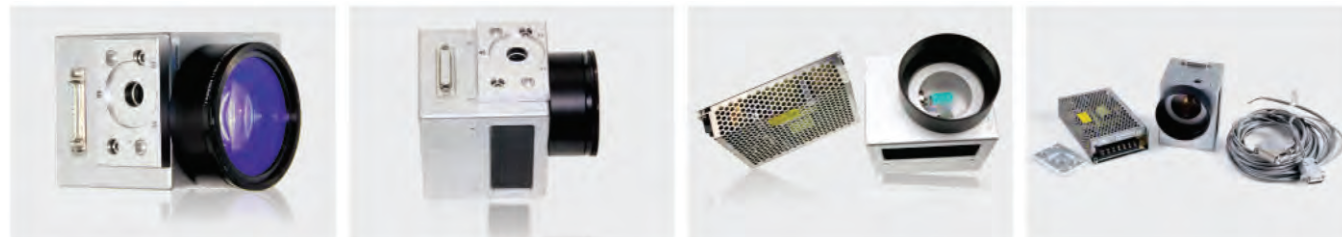
▶ Fiber Laser Source

- 100000 Hours
- Two Years Warranty
- Brand: RAYCUS, MAX, JPT, IPG



▶ Galvanometer Scanner

- Digital/analog interface
- Marking speed: 5000mm/s; 7000mm/s; 15000mm/s, etc.
- Includes scan head, power supply and cable.



▶ F-theta Lens

- Marking size: 70mmx70mm, 110mmx110mm, 150mmx150mm,
- 200mmx200mm, 300mmx300mm, 500mmx500mm (customized)
- Thread screw: M85x1, M79x1



▶ Marking Controller Card



▶ Cabinet



Standard Design



Split Type



Portable Design

NOTE: Please refer to cabinet only.

▶ Other Laser Accessories



Rotary Device

2D Work Table

Lifting Part

Laser Protective Goggles

Red Light Indicator

Foot Pedal

Beam Combiner

Light Path

LASER PARTS FOR CO2 LASER CUTTING/ENGRAVING MACHINE

LASER PARTS FOR FIBER LASER CUTTING MACHINE

▶ Laser Tube; Power Supply; Chiller

- Power: 40W, 50W, 60W, 80W, 100W, 130W, 150W



▶ Cutting Head

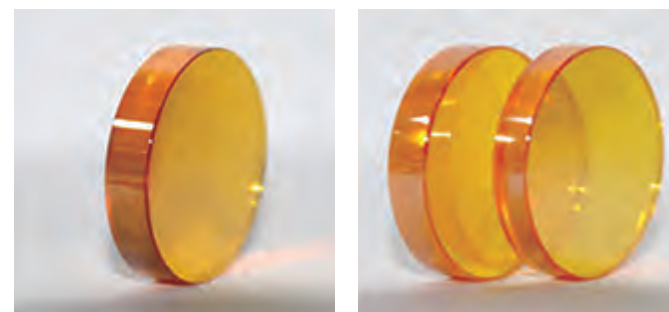


▶ Control System



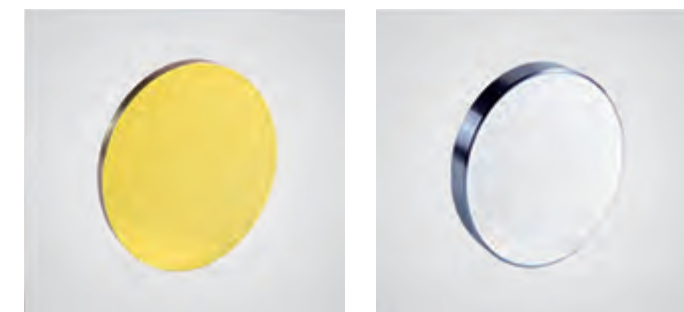
▶ Focus Lens

- Dia. 18/19/20/25/38.1mm
- FL: 50.8/63.5/75/100/127/190.5mm



▶ Laser Reflective Mirror

- Dia. 19/20/25/30/38.1/50.Smm
- ET: 3mm



▶ Other Laser Accessories



Reflective Mirror Holder

Motor and Driver

Laser Tube Holder

Guide Rail



▶ Fiber Laser Source

- 100000 hours
- Brand: RAYCUS, MAX, JPT, IPG
- Power: 500w, 750w, 1000w, 1500w, 2200w, 3000w



▶ Ceramic Ring

- Kp2, suitable for Empower, Trumpf, Bystronic, Amada, etc.



▶ Laser Protective Window

- 22.35+0.1-0.2x4 O±0.1mm
- 30+0/-0.2x5 O±0.1mm
- 37+0/-0.2x7 O±0.1mm
- 55+0/-0.2x1.5±0.1mm
- 50+0/-0.2x2 O±0.1mm
- 134+0.1-0.2x3 O±0.1mm (customized)



▶ Cutting Head

- With auto focus adjustment function
- QBH connection

▶ Cutting Nozzle

- Dia: 1.0/1.5/2.0/2.5mm
- Single/double layers
- Suitable for Amada, Bystronic, Cincinnati, Hankwang, Laser Lab, LVD, Mazak, Mitsubishi, etc.

