

*Quality of Excellence*, presented by Sintec Optronics

## 1. Diode Modules



### Features:

- High power
- Reliable
- Efficient
- Compact design
- Easy to use
- Affordable
- Suitable driver is suggested

### Different models available

- CW & QCW
- 50, 75, 100, 200, 300W, or even higher power
- Single mode & low order mode
- USA or China brand

## 2. MOPA Fiber Lasers

STJ series fiber laser adopts MOPA (Master Oscillator Power Amplifier) structure, diode laser as seed light, and fiber based power amplification. This laser integrates independence adjustment of pulse width and frequency, to make sure a constant pulse energy output, which provides a good combining solution to the requirements of high power laser source and high marking speed.



### Features:

- Flexible & independent control of pulse width & frequency
- Selectable pulse shape
- High repetition frequency
- No laser leakage

### Applications:

- Marking / Colour marking
- Ablation
- Cutting
- Drilling
- Scribing
- Soldering
- Trimming
- Engraving

## 3. DPSS-Red-Green-Blue-IR Lasers

We specialize in the R&D and manufacture of Diode Pumped Solid State (DPSS) lasers and related laser products.



### Wavelength (nm):

445, 457, 473, 532, 635, 650, 660, 671, 808, 914, 946, 980, 1053, 1064, 1320, 1342,

**Power level (W):** different power levels available

### Features:

- Stable and adjustable output power
- Over-temperature and over-current protection
- External modulation available



### Applications:

- Scientific research
- Medical purpose
- Biotechnology
- Laser precision measuring
- Entertainment & laser show applications

## 4. Laser Cutting Machines

We specialize in providing high power Nd:YAG & fibre laser cutting systems.



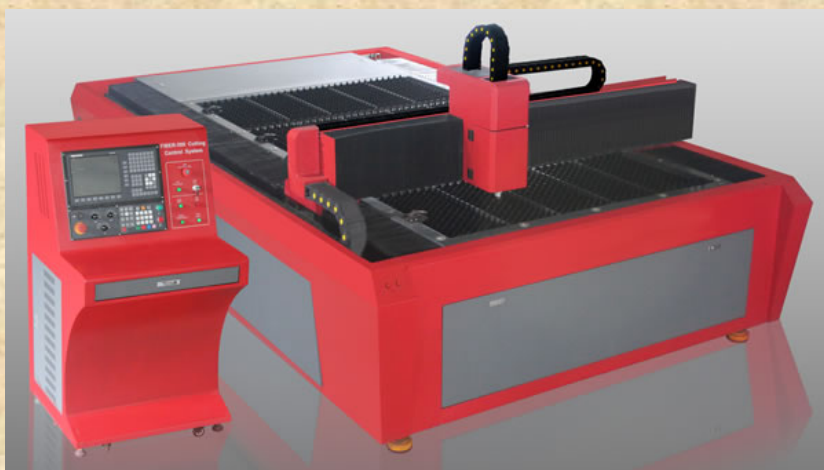
### Nd: YAG Laser Cutting Machine

#### Main features:

- Gantry structure
- Laser head moving, beam quality kept constant
- Safe and convenient
- Easy loading/unloading
- Capability MS 6mm, SS 5mm @ 500W

#### Applications:

Suitable to lamp, advertising, hardware, kitchenware and metal processing industries such as cutting and welding of knives, sheet metals



### Fiber Laser Cutting Machine

#### Main features:

- Gantry structure
- Fiber delivery, fully sealed optics
- Safe and convenient
- Easy loading/unloading
- Maintenance free
- Capability MS 6mm, SS 5mm @ 500W

#### Applications:

Suitable to lamp, advertising, hardware, kitchenware and metal processing industries such as cutting and welding of knives, sheet metals

## 5. Fiber Laser Cutting Head



#### Applications:

Material auto tracking allows keeping constant focus position, regardless of sheet surface waviness.

#### Features:

- Fully closed speed and position loop
- Ethernet communication port
- Step piercing
- Leapfrog jumping
- Pen-up height presetting
- Constant optical path compensation
- Extraordinary response time
- Auto-focusing for surface waviness
- Crash protection
- No signal attenuation over long distance
- Thumb drive upgrading firmware

## 6. Special Offer:

- Galvo 6880 @\$745,
- lamp ST9762 @\$170,
- Q-switch QS041-10G-IN2 @\$520,
- f-theta lens STSL-10.6-175-249 @\$280,
- And more <http://www.SintecOptronics.com/SpecialOffer.asp>

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