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# VVBEAM YAG500W SOLID LASER CUTTING MACHINE



This product applied YAG solid laser optical path system which has the features of better laser mode, thin cutting gap, and high accuracy. And to suits the cutting of metal material like Titanium plate, mild steel, Iron, and stainless steel, the product equipped imported tracing system which is highly sensitive. The induction type auto anti-strike laser head is adaptable, flexible, automatic, and have limitless simulate cutting ability.

The Servo motors, ball screws, and linear guide rails which are imported with original package not only ensure the faster cutting speed, better edge effect, and higher accuracy than similar products, but also ensure the stability and reliability of the machine's working.

The product can be edit from computer and cutting software. Both Input and output are from computer. On the basis of windows interfere, we can realize the edit and complete one-time cutting of any shapes, letters, and numbers.

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### Features:

- High precision: suitable for precise part cutting and all kinds of process words/pictures subtle cutting
- High cutting speed: nearly 100 times than the wire cutting
- The heat affected zone is small, not easy to distort, with smooth cutting seam, and no need further processing
- Cost-effective, stable performance, to ensure continued production
- Solid YAG laser is one of the most stable and mature products in the laser field

### Applications:

The high-precision cutting of carbon steel, stainless steel, alloy steel, spring steel copper and other metal plates/pipes.

Widely used in advertising signs, sheet metal structures, high/low voltage electrical cabinet making, textile machinery parts, kitchen utensils, automobiles, machinery, elevators, electrical parts, springs, metro parts and other metal part processing industries.

### Technical Parameters:

Model	YAG500
Working Size	According to Customer's Requirement can be adjustable
Cutting Depth	0.2mm-5mm(Carbon Steel) 0.2mm-3mm(Stainless Steel)
Laser Output Power	500w
Laser Wave length	1064nm
Pulse Frequency	1-500Hz, Each File 1 Hz
Minimum Line Width	0.15mm
Power Allocation	380V/50HZ/100A
XY Z Geometric Positioning Accuracy	≤± 0.08mm/1000mm
X Y Z Reposition Accuracy	≤±0.04mm
Cooling System	5P Water Cooling
Max Cutting Speed	3000mm/min
Machine Noise (m/min)	≤65
X Y Max Moving Speed (m/min)	30m/min(Single Axe 40m/min)