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DF-W300 Fiber Transmission Channel Letter Laser Welding Machine

Model: DF-W300 DF-W500

Applicable Materials: Stainless steel advertising characters etc.

Laser Power: 300W 500W

Laser Type: YAG Pulse

Lead Time: 3-5 days against deposit payment

After Service: 24/7 Online Support & Overseas Engineers Available

GET A FREE QUOTE

DESCRIPTION | PARAMETER

DF-W300 Fiber Transmission Channel Letter Laser Welding Machine

Product Description

The fiber channel letter laser welding machine uses a pulsed laser with a wavelength of 1064nm generated by a laser to expand, reflect, and focus, and then radiate to the surface of the processed part. The surface heat diffuses to the inside through heat conduction, which causes the processed part to melt and form a specific molten pool, thereby realizing the the welding work of the machined parts completes the *precision welding* that cannot be achieved by the traditional technology.

The channel letter laser welding machine is used for fast and precise welding of various stainless steel characters, LED luminous characters, LOGO signs, signs, advertising characters and other products, and suitable for many materials, such as stainless steel, iron, galvanized sheet, titanium, etc.

Applicable industries:

Welding of stainless steel advertising characters, microelectronic components, precision parts, digital components, optical fiber connectors, medical equipment, etc.



Advantages

Machine Can weld all minor parts very effectively, making up for the shortcomings of traditional soldering and argon arc welding technology.

No thermal strain, no need post-treatment, environmentally friendly, which greatly improves the connection strength and quality of the metal letters and signboard.

1. Designed for advertising letters.

Big size connect working table(easy for big and small letter welding)

Applicable material: Stainless steel, Galvanized iron, Steel, Titanium, and other metals.

Thermal effects area is small, the working surface with no deformation, high precision, low cost, and no consumables. Welding firmly, surface no bulge, no need polish, save time and energy.

2. Laser crystals: Adopt the domestic super 7*145 laser rods, every piece all have the LQC qualification certificate. With High gain, low laser threshold, high laser power, beautiful solder joints, stable activity, good thermal conductivity, and thermal shock properties.

3. Laser power: Adopt eight super laser power and imported IGBT bipolar transistors, to make the power supply pulse xenon lamp current more constant, high-frequency continuous welding, not easy to decline, and long life.

4. High-power constant-temperature refrigeration water tank, with high control accuracy, Germany EBM electronic fan as a part of the matching condensation, large air volume, low noise and filtration devices, effective filtration of water impurities.

5. Controller: an independent high-definition touch control screen, control pulse current, the setting parameters will be automatically saved.


6. Use CCD micro monitor, the welding effect is clear.

7. Specially-made moving optical path, flexible, extending focusing lens **F=200MM**.


8. Easy operation: Men and women all can work, high efficiency, starting up can use directly, welding speed is **5 times** than the traditional technology.

9. Environmental and safe: with German technology, no noise, no pollution, no radiation, can keep working in **24 hours**.


10. Innovation structure, stable and solid, easy to operate, humanization, beautiful and atmosphere.




MAX. POWER
300W




LASER WAVELENGTH
1064NM




LASER UP AND DOWN STROKE
200MM




WORK TABLE
1200*2050MM(CUSTOMIZED)




ELECTRICITY DEMAND
220V ±10%/50HZ/40A
[ACTUAL VOLTAGE CAN BE ADJUSTED ACCORDING TO THE VOLTAGE OF DIFFERENT COUNTRIES]



SINGLE PULSE MAX. ENERGY
90J



SPOT SIZE
0.2-2MM





WELDING DEPTH
0.1-2.6MM



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**EXCLUSIVE
DEDICATED HD LCD
TOUCH CONTROL
SCREEN**



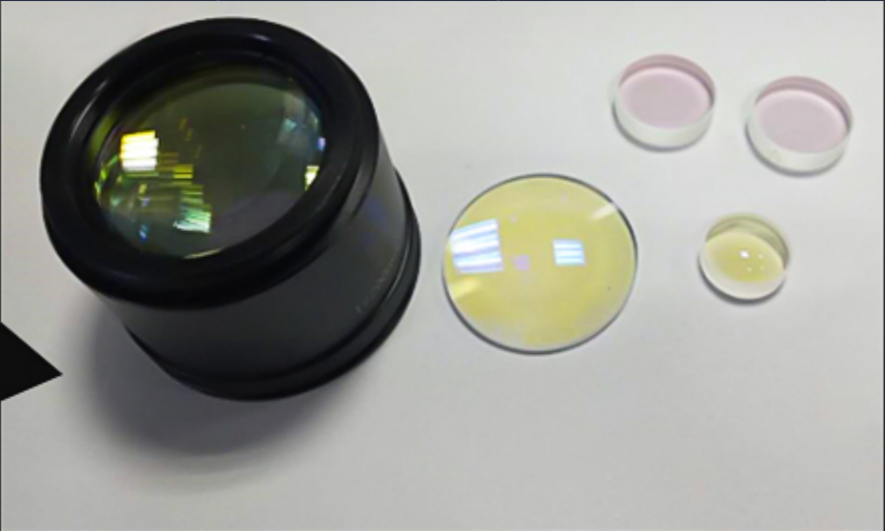


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**HIGH-PRECISION
CONDENSER
CAVITY**

...

HIGH-GLOSS
DOUBLE-COATED
LENS



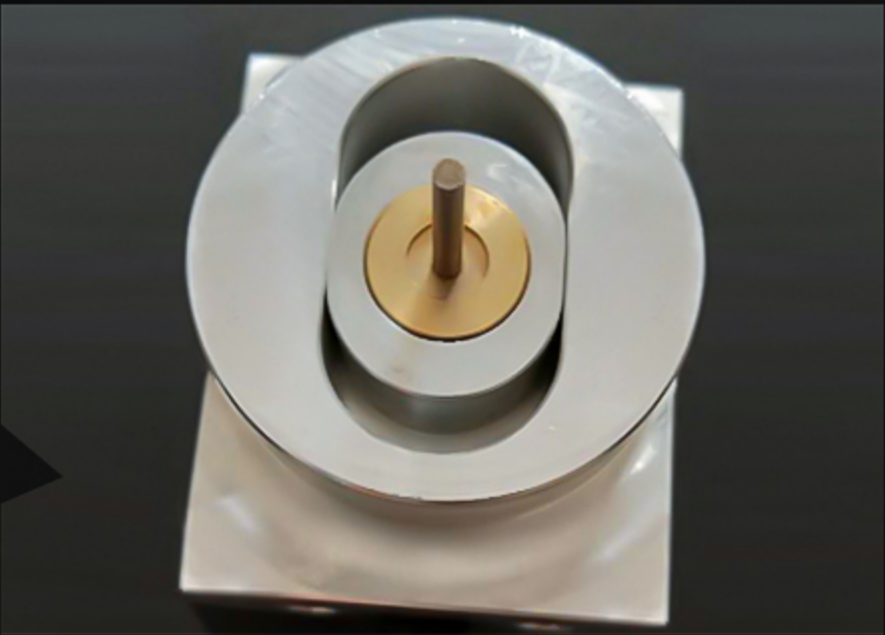
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THE LASER HEAD
IS EASY TO FINE-TUNE,
AND THE UP AND
DOWN STROKE CAN
REACH 210MM



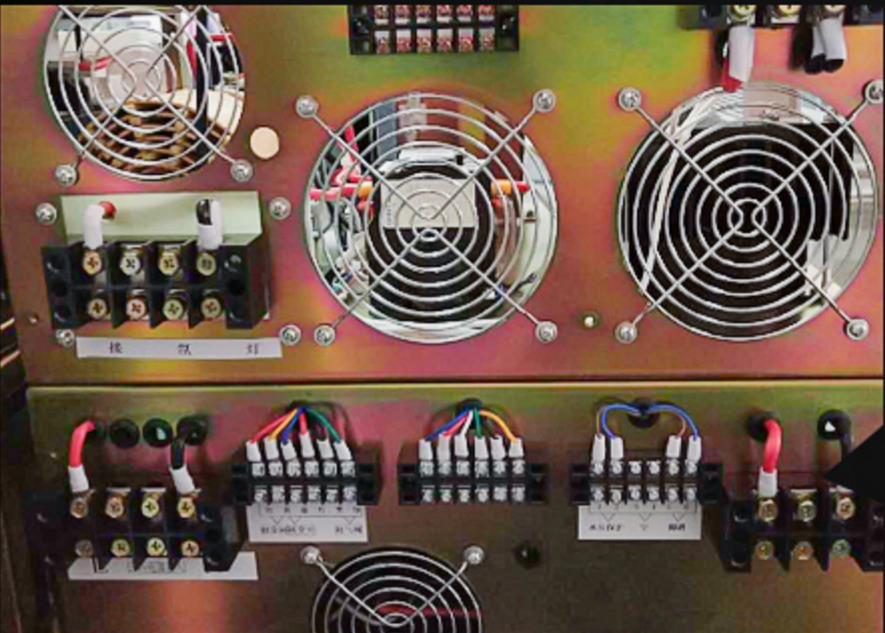
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HIGH PRECISION
MOBILE
POSITIONING
PIN




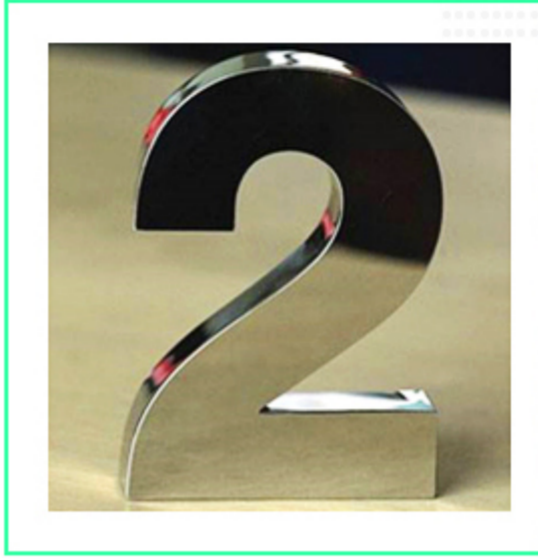


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HIGH-PROFILE
DOUBLE-LAYER
LASER POWER
SUPPLY (DERIVED
FROM GERMAN
TECHNOLOGY)



ADAPTATION COPE

STAINLESS STEEL, IRON
GALVANIZED, ALUNINUM



CLASSIC CASES

PARAMETER

Model	DF-W300
Max. power	300W
Laser wavelength	1064nm
concentrating cavity emitter	imported ceramic concentrating cavity
laser type	Nd: YAG
single pulse max. energy	90J
spot size	0.2-2mm
cooling system	1.2P integrated
welding depth	0.1-2.6mm
observation system	optional CCD plus red light
Laser up and down stroke	200mm
total power	≤6kw
electricity demand	220v ±10%/50HZ/40A
work table	1200*2050mm, or customized
boom system	1200mm(W130mm*H170mm)
dimension	main machine:700*720*1030mm cooling part:520*445*780mm

Get the Best Quote!

Please feel free to contact us for any inquiries, we will get back to you shortly.

* FULL NAME

* name

* EMAIL

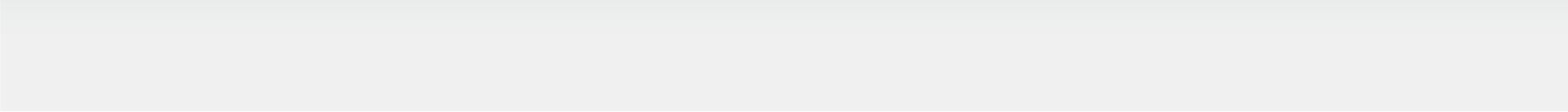
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PHONE NUMBER

* phone number

* MESSAGE

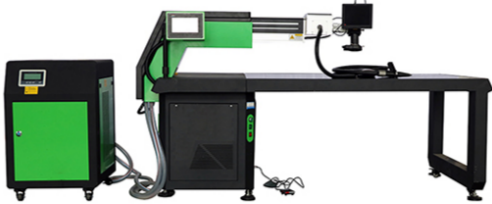
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Featured products



Handheld Fiber Laser Welder
with Precision Auto Cutting
Function



DF-W300D Handheld Fiber
Channel Letter Laser Welding
Machine



DF-WM200C Cantilever-type
Large Mould Laser Welding
Machine

