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HAND HELD FIBER LASER WELDING MACHINE

Handheld Fiber Laser Welding Machine

(https://www.divinelasermachines.com/Website/Detail/?product_id=8) replaces the previously fixed optical path with a hand-held welding gun, This hand-held equipment is flexible and convenient, and it has a long welding distance, overcomes the limitation of the space of the worktable, It can be automatically welded

when the work pieces size is not uniform. Mainly for large work pieces, fixed positions such as inner corners, outer right angles, flat welds, small heat affected areas during welding, small deformation, and large welding depth with strong firmness. It is a relatively flexible new welding process for long distance welding of large work pieces.

PRODUCT SPECIFICATION:

DISCRIPTION	PARAMETER
Laser Power	500W/1000W/1500W/2000W/3000W/4000W/6000W
Power Consumption	>4.5kW (Variable with laser power)
Laser Beam	1060 ±20nm
Pulse Width	0.1-2.0ms
Laser Power Adjustment	10-100%
Spot Diameter	0.2-3.0mm
Laser Output Mode	QCW/PMW/CW
Repeat Precision	±0.02mm
Output Power Stability	<3%
Laser Positioning	Red Light Pointer
Fiber Cable Length	5/10/15/20 metre
Wire Feeder System	Optional (Customize)
Cooling System	1P/2P/3P Industrial Chiller
Electricity Supply	220V/380v,50HZ,32/63Amp

*** Note: As products design and features are constantly updated, please contact us (<https://www.divinelasermachines.com/Website/Contact>) for latest specifications. ***

FEATURES:

- ⇒ Long working life; upto 1,00,000 hours.
- ⇒ Maintenance-free operation, its cost-effectiveness is far superior than other welding methods.
- ⇒ Excellent pulse power and energy stability.

- ⇒ It has high depth ratio, small weld width, small heat affected zone, little deformation and fast welding speed.
- ⇒ The weld seam is smooth and beautiful, no need further processing or only simple processing is needed after welding.
- ⇒ High weld quality, free of porosity, can reduce and optimize the impurities of the base metal, structure can be refined after welding, the weld strength and toughness are at least the same as a base metal's.
- ⇒ Precisely controll, small focus spot, high precision positioning, easy for automation.

APPLIED INDUSTRY:

Handheld Fiber laser welding machine (https://www.divinelasermachines.com/Website/Detail/?product_id=8) can weld on all types of metal, like- stainless steel, mild steel,titanium, aluminium, zinc, copper, gold, silver and other metal & alloy. Automatic Fiber Laser Welding Machine (https://www.divinelasermachines.com/Website/Detail/?product_id=7) is mainly used in production line to acheive high accuracy of the product in less time. It is mainly applied to- compressors, motors, automotive parts (flywheel, clutch, gears, radiators, automotive motors, parts requiring high strength), battery modules (end plates, side plates), power batteries, pressure vessels, Kitchenware and bathroom etc.

BENEFITS OF CHOOSING DIVINE:

As a guaranteed industrial laser machine manufacturer and supplier, DIVINE provides all kinds of best laser machines for sale to fit your works. DIVINE offers cost price for you laser machine without any intermediate. You will get the best laser machines at an affordable price from us. DIVINE also offers best laser automation solutions,Our Experienced team will provide you best service and support.

- ◆ Consult: We will recommend the most suitable laser machine to you after being informed by your requirements.
- ◆ Quotation: We will offer you with our detail quotation according to the consulted laser machine. You will get the most suitable specifications, the best accessories and the affordable price.
- ◆ Process Evaluation: Both sides carefully evaluate and discuss all the details (technical parameters, specifications and business terms) of the order to exclude any misunderstanding.
- ◆ Quality Control: The whole production procedure will be under regular inspection and strict quality control. The complete laser machine will be tested to make sure they can work very well before out of factory.
- ◆ Spare part : We have all kind of spare parts available at our site.
- ◆ Support and Service: We will offer professional technical support and free service by Phone, Email, Skype, WhatsApp, Online Live Chat, Remote Service. We also have site service in all over india.

SAMPLE DISPLAY



Contact Us

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Useful Links

- > Fiber Laser Cutting Machine > Automatic Laser Solution
(https://www.divinelasermachines.com/Website/Product_Detail/?Category_id=1)
- > Fiber Laser Marking Machine > Co2 Laser Engraving & Cutting Machine
(https://www.divinelasermachines.com/Website/Product_Detail/?Category_id=2)
- > Co2 Laser Marking Machine > Laser Cleaning Machine
(https://www.divinelasermachines.com/Website/Product_Detail/?Category_id=3)
- > UV Laser Marking Machine > CNC Router
(https://www.divinelasermachines.com/Website/Product_Detail/?Category_id=9)
- > Fiber Laser Welding Machine > Tapping Machine
(https://www.divinelasermachines.com/Website/Product_Detail/?Category_id=4)

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> YAG Laser Welding Machine > Laser Accessories

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