HGTECH

Welding Serials Products

Efficient & Stable HGLASER Laser Welding Machine

Technology Pioneer In Industrial Field

Wuhan Huagong Laser Engineering Co.,Ltd

Address . Huagong Tech Building Science And Technology Region Of Hust, Donghu High-tech Zone, Wuhan, Hubei, Province, P.R China 430223

Tel . +86 (0)27 87180263/0225 After-sales service . +86 (0)27 87180263 Fax . +86 (0)27 87180210

HGlaser official WeChat Hglaser mobile website

Wuhan Huagong Laser Engineering Co.,Ltd

http://en.hglaser.com/ www.farleylaserlab.com

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If you want to know more details about us, welcome to visit our company in Wuhan! We will wholeheartedly to serve you with a company tour, inspection of samples and machine, printing samples, processing researching and other services.

The contents of this book are published through the company's research and evaluation, the content is subject to change without notice.

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HGLASER
PRODUCTS

Fiber Welding Serials

PRODUCT
PARAMETER

LWF150QN2

Equipment model		LWF150QN2
Welding laser parameters	Laser Type / Wavelength:	Fiber/1070nm
	Fiber optical splitting number:	1-3 path
	Working medium:	Yb-doped fibers
	Laser:	IPG QCW Fiber lasers 150W
	Fiber core diameter:	50um
	Fiber length:	5m(Standard) 10m(Optional)
	Maximum peak power:	1500W
	Maximum average power:	150W
	Output power:	150(Pulsed) 250(CW)
	Single point maximum energy:	15J
	Beam quality (BPP):	1-2mm×mrad
	Pulse repetition frequency:	0Hz≤F≤2500Hz
	Pulse Width:	0.2~25ms Continuously adjustable
	Minimum focusing optical spot diameter:	0.2~0.4mm (Depends on the material)
Galvanometer parameters	Repeat positioning accuracy:	＜8μrad
Lens parameters	Collimation lens:	F=120 (Standard) F=100 (Optional) F=180 (Optional)
Optical output characteristics	Scanning range (flat field F-θ lens):	F=170mm, 70×60mm (Standard) ; F=210mm, 90×80mm (Optional) ; F=254mm, 110×110mm (Optional)
Cooling system	Cooling method:	Air cooling
System properties	System power supply:	200-240 VAC, 50/60Hz 2600W
	Environmental requirements:	Temperature 10 ~ 35 ° C, humidity ≤ 70%
	Manual lift range:	Stroke 385mm
Overall dimensions	Table appearance:	640mm ×820mm ×1550mm
	Host appearance:	560mm ×900mm ×870mm

HGLASER
PRODUCTS

Fiber Welding Serials

LWF500C

Equipment model		LWF500C
Welding laser parameters	Laser Type / Wavelength:	Fiber/1070nm
	Fiber optical path:	1 path
	Working medium:	Yb-doped fibers
	Laser:	IPG 500W Fiber lasers YLR-500-MM-WC
	Fiber core diameter:	50um
	Fiber length:	5m(Standard) 10m(Optional)
	Output power:	500W
	Beam quality (BPP):	1-2mm×mrad
	Minimum focusing optical spot diameter:	0.2mm (Depends on the material)
Lens parameters	Collimation lens:	F=100 (Standard) F=125 (Optional) F=75 (Optional)
	Focusing lens:	F=150 (Standard) F=120 (Optional)
Cooling system	Cooling method:	Water cooling
	System power supply:	200-240 VAC, 50/60Hz 3600W
	Environmental requirements:	Temperature 10 ~ 35℃ humidity ≤ 70%
Precision linear module	Three axis stroke (X*Y*Z) :	400mm*300mm*200mm
	Position repeatability accuracy:	±0.05mm
Overall dimensions	Overall appearance:	850mm ×1358mm ×1755mm

HGLASER
PRODUCTS

Fiber Welding Serials

LWF150QC

Fiber Welding Serials

Equipment model		LWF150QC
Welding laser parameters	Laser Type / Wavelength:	Fiber/1070nm
	Fiber optical splitting number:	1-4 path
	Working medium:	Yb-doped fibers
	Laser:	IPG QCW Fiber lasers 150W
	Fiber core diameter:	50um
	Fiber length:	5m(Standard) 10m(Optional)
	Maximum peak power:	1500W
	Maximum average power:	150W
	Output power:	150(Pulsed) 250(CW)
	Single point maximum energy:	15J
	Beam quality (BPP):	1-2mm×mrad
	Pulse repetition frequency:	0Hz≤F≤2500Hz
	Pulse Width:	0.2~25ms Continuously adjustable
	Minimum focusing optical spot diameter:	0.2~0.4mm(Depends on the material)
Galvanometer parameters	Repeat positioning accuracy:	＜8μrad
Lens parameters	Collimation lens:	F=125 (Standard) F=100 (Optional)
Optical output characteristics	Scanning range (flat field F-θ lens):	F=170mm, 70×60mm (Standard) ; F=210mm, 90×80mm (Optional) ; F=254mm, 110×110mm (Optional)
Cooling system	Cooling method:	Air cooling
System properties	System power supply:	200-240 VAC, 50/60Hz 2200W
	Environmental requirements:	Temperature 10 ~ 35 ° C, humidity ≤ 70%
	Manual lift range:	Stroke 385mm
Overall dimensions	Overall appearance:	640mm ×820mm ×1550mm

HGLASER
PRODUCTS

Fiber Welding Serials

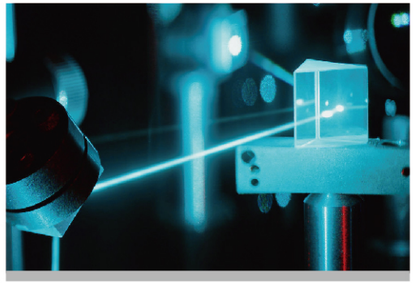
PRODUCT
ADVANTAGE

1.Perfect welding effect

Can weld fine effect which is the user various requirement in an extremely tiny surface, has been known as "the king of welding" of 3C industry by client

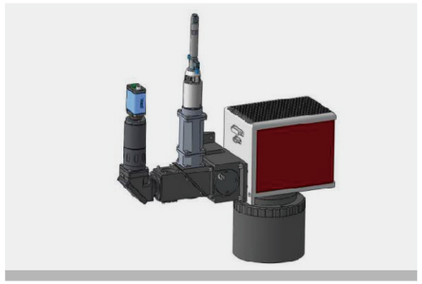
2.High electro-optical conversion efficiency

Saving operating costs, long life of the laser, maintenance-free, 100,000 hours without consumables



3.High welding speed, high precision, good effect

In the same time, the processing capacity significantly increased, Speed up the pay back on user investment



4.Overall structure integration

Compact, small footprint, easy to transport