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Company Profile

SHENZHEN DAPENG LASER TECHNOLOGY CO.,LTD. founded in 2008, is a research and development, manufacturing, sales and service in one of the laser equipment of high-tech enterprises, committed to the laser technology research and development, design, production, research and development of laser equipment, technical support and consulting services.

The company's main products include: laser cutting machine, laser welding machine, laser marking machine, laser equipment and automation industry, used in electronics, IC chip, electrical appliances, lighting, jewelry, hardware, sanitary ware, instrumentation, auto accessories, mobile phone parts, molds, precision machinery IT, medical equipment, digital, metal shell, military aviation parts, leather clothing, craft gifts, advertising decoration, cooking utensils, kitchenware, model etc.

DAPENG laser product quality is stable and reliable, has a professional R & D team.At the same time of pursuing good quality,DAPENG laser also provides customers comfortable pre-sale, sale, after-sales service and sophisticated cost-effective products with timely.With "To help customers succeed, create value models and build high-end service brands for industrial laser equipment industry."DAPENG win the trust and praise of the vast numbers of users.Customers throughout the country and overseas,we sale more than 5000 laser equipment in 2016.

The company has established a perfect production and sales and customer service service system, has the production base in Shenzhen, Wenzhou, Kunshan, Xiamen, in Dongguan has there is a large laser cutting machine production base in Dongguan, and has offices in the major industrial city and area offices have equipment, technology, sales and customer service service proofing, permanent technical service personnel, to provide timely, good pre-sale, sale, customer service and customer support services.

Dapeng people know that quality and service is the fundamental survival of the company, innovation is the foundation of the company's long-term development, so we insist to help customers create value and to create well-known brands of laser equipment industry.

company culture

PROFESSIONAL LASER EQUIPMENT MANUFACTURERS

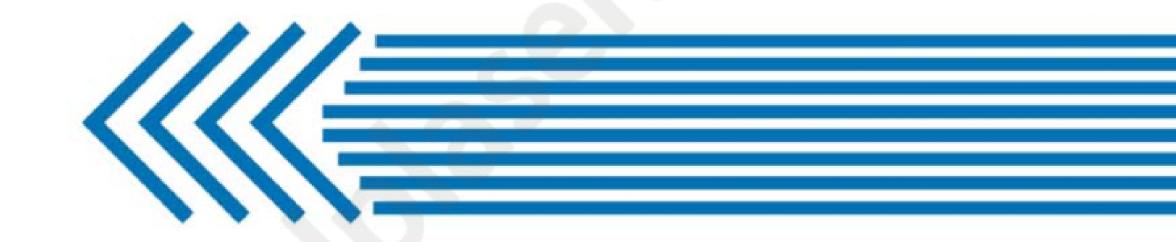
Core values:

Innovation, integrity, service

Create more value with our work

Marketing idea:

Law-abiding business, integrity services
Technology leading, mutual benefit and win-win







Marketing Network

our products are increasingly popular in Us, Korea, India,Thailand,Malaysia, and other Southeast Asian countries.More than 60,000 people around the world are using ourproducts.



Dapeng has a professional R & D team, strict quality management



Perfect pre-sale, sale, after-sales service



Products are exported to more than 50 countries abroad

Coverage Area

Root in Shenzhen, face the whole country and expand to the world. Products are exported to Europe, America, the Middle East, Southeast Asia, East asia.



More than 20 domestic branch, all over
Sale more than 5000 equitment per the country's major industrial cities



year



Ten years of artisan heart, the world's 30000 users witnessed

Company History

Found in 2008, is one high-tech enterprise which focus and eveloping, manufacturing and servicing for laser products and systems.

		2010	2011
2008	2009 Laser	Laser weldi	Laser welding cut
Company establishment	aser marking machine series was launch	welding machine series was launched	ng cutting machine series was launched

2015

2015

2015

Dongguan cutting equipment factory was established, area up to more than 10000 square meters

Product sales exceeded three thousand units a year

There are fifteen offices nationwide

Kunshan, Wenzhou, Xiamen branch was established



Headquarter Wenzhou Branch Wenzhou Branch Wenzhou Branch Wongguan branch Dongguan branch



production, innovation, sales, and support.

And our equipment are widely used in IC chips, electrical appliances, jewelry, hardware tools, sanitary ware, instruments, motorcycleaccessories, cell phone accessories, precision machinery, medicalequipment, craft gifts, and other industries.

LASER WELDING MACHINE

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LASER WELDING MACHINE

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LASER WELDING MACHINE

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				TECH	NICAL	PARAMETERS								TECHNICAL PARAMETERS		
Model	M1550-12	M1840-25	M2010-12	F10-05	F14-10	Model	M1550-12	M1840-25	M2010-12	F10-05	F14-10	Model	M1840-12	Model	M1550-12	
Degree Of Freedom	Six-Axis	Six-Axis	Six-Axis	Six-Axis	Six-Axis	Weight Of Robot Control Cabinet	60kg	80kg	80kg			Degree Of Freedom	Six-Axis	Weight Of Robot Control Cabinet	80kg	
Maximum Working Radius	1550mm	1840mm	2010mm	922mm	1400mm	Rated Power Of The Robot	4.5kw	4.5kw	4.5kw	24V/1.5A	24V/1.5A	Maximum Working Radius	1840mm	Rated Power Of The Robot	4.5kw	
Maximum Load	12kg	25kg	12kg	5kg	10kg	Operating Temperature	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C	Maximum Load	25kg	Operating Temperature	0~45°C	
Repeatable Positioning Accuracy	±0.05mm	±0.08mm	±0.08mm	±0.02mm	±0.05mm	Applicable Laser Power	1000- 3000W	1000- 6000W	1000- 3000W	1000- 3000W	1000- 3000W	Repeatable Positioning Accuracy	±0.08mm	Applicable Laser Power	1000-6000W	
Robot Body Weight	170kg	260kg	185kg	22kg	40kg	Material (Carbon Steel, Stainless Steel)	0.5-5mm	0.5-10mm	0.5-5mm	0.5-5mm	0.5-10mm	Robot Body Weight	260kg	Material (Carbon Steel, Stainless Steel)	0.5-10mm	
						Applicable Material (Aluminum)	0.5-4mm	0.5-8mm	0.5-4mm	0.5-4mm	0.5-8mm			Applicable Material (Aluminum)	0.5-8mm	

Samples

Advantages



- 24-hour operation, saving people
 Less or no sanding, smooth surface, more consistent quality
- Less deformation, contactless welding

Cheristicaract

- More angular welding for a wider range of applications
 Higher efficiency, more options, multiple products can be welded on the same table

Applications

Suitable for hardware sheet metal, cabinet housing, control cabinet, electronic and electrical boxes, hardware lighting, hardware furniture, new energy vehicles, solar energy, energy storage industry and other related industries of welding

Advantages

- One 3D machine can produce independently after the blanks are formed
 Low equipment cost, simple process, quick start, little preparation time,
- fast production, easy adjustment, one person can operate

Cheristicaract

Ideal for new product development and small to medium batch production of many varieties

Samples



• Auto parts 3D cutting, pressure vessel top cover & tube, carbon fiber box cutting, tube 3D cutting







				TECHI	NICAL PARAMETE	ERS					TECHNICAL PARAMETERS
Model	M1550-12	M1840-25	M2010-12	F10-05	F14-10		Model	M1550-12	2 M1840-25	M2010-12	
Degree Of Freedom	Six-Axis	Six-Axis	Six-Axis	Six-Axis	Six-Axis		Degree Of Freedom	Six-Axis	Six-Axis	Six-Axis	
Maximum Working Radius	1550mm	1840mm	2010mm	922mm	1400mm		Maximum Working Radius	1550mm	1840mm	2010mm	
Maximum Load	12kg	25kg	12kg	5kg	10kg		Maximum Load	12kg	25kg	12kg	
Repeatable Positioning Accuracy	±0.05mm	±0.08mm	±0.08mm	±0.02mm	±0.05mm		Repeatable Positioning Accuracy	±0.05mm	±0.08mm	±0.08mm	
Weight Of Robot Control Cabinet	170kg	260kg	185kg	22kg	40kg		Robot Body Weight	170kg	260kg	185kg	
Weight Of Robot Control Cabinet	60kg	80kg	80kg				Weight Of Robot Control Cabinet	60kg	80kg	60kg	
Rated Power Of The Robot	4.5kw	4.5kw	4.5kw	24V/1.5A	24V/1.5A		Rated Power Of The Robot	4.5kw	4.5kw	4.5kw	
Operating Temperature	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C		Operating Temperature	0~45°C	0~45°C	0~45°C	
Applicable Laser Power	1000- 3000W	1000- 6000W	1000- 3000W	1000- 3000W	1000- 3000W		Applicable Laser Power	100-300w	/ 100-300w	100-300w	

Advantages

- Work 24 hours, save people
- Easy to operate, more compact, space saving
 Less radiation, less damage to eyes

Cheristicaract

- Can achieve multi-angle descaling, wider application
 Higher efficiency, more options, the same table can clean multiple products

Samples

Applications

• Hardware surface, square pipe, hardware and electrical parts, precision parts

Advantages

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- Easy to operate, more compact, space saving
 Less radiation, less damage to eyes

Cheristicaract

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 Higher efficiency, more options, the same table can clean multiple products

Applications

• Hardware surface, square pipe, hardware and electrical parts, precision parts



Samples

SCSERIES HANDHELD RUST REMOVAL MACHINE



	TECHNICAL PA	ARAMETERS			TECHI	VICAL PARAMETERS	
Model	DPH-1000SC, DPH-1500SC, DPH-2000SC	Focused Spot Diameter	0.3-1.5(Adjustable)	Model	DPS-300SC	Focused Spot Diameter	0.3-1.5(Adjustable)
Laser Power	1000w/1500w/2000w	Weight	Net Weight 150kg, (External Export Wooden Frame) 200kg Including Wire Feeder	Laser Power	3000w	Weight	Net Weight 200kg, 250kg Including Wire Feeder
Operation Mode	Continuous/Modulated	Size	Welding Machine: Length 95 * Width 75 * Height 80 Wire Feeder: Length 60*Width 30*Height 40	Operation Mode	Continuous/Modulated	Size	Welding Machine: Length 126 * Width 75 * Height 126 Wire Feeder: Length 60*Width 30*Height 80
Center Radiation Wavelength	1070nm-1090nm			Center Radiation Wavelength	1070nm-1090nm	Duty Cycle	0-100%
Pulse Frequency	50HZ-5000Hz			Pulse Frequency	50HZ-5000Hz		
Cooling Method	Water-Cooled			Cooling Method	Water-Cooled		
Output Fiber Length	Ten Meters (Eight Meters Exposed)			Output Fiber Length	Ten Meters (Eight Meters Exposed)		
Output Power Stability	<3%			Output Power Stability	<3%		
Power Requirement	AC200-240 (Single-Phase)			Power Requirement	380V		
Beam Quality	1.1			Beam Quality	1.1		

Samples



- General worker 2 hours to get started
 Small heat impact, no deformation
- Efficiency 2~10 times, no need for induction certificate

Cheristicaract

- Smooth welding seam
- No need to polish the welding surface
 Modular control, safety is guaranteed

Applications

• Kitchen and bathroom, doors and windows, chassis and cabinets, sheet metal panels, hardware boxes

Advantages

- General worker 2 hours to get started
 Small heat impact, no deformation
 Efficiency 2~10 times, no need for induction certificate

Cheristicaract

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- No need to polish the welding surface
 Modular control, safety is guaranteed



Applications

• Kitchen and bathroom, doors and windows, chassis and cabinets, sheet metal panels, hardware boxes

Samples

17/18





	TECHNICAL PARAMETERS		TECHNICAL PARAMETERS	
Model	DP-CL1000/1500/2000/3000 Size(cm)	1500w/1500w/2000w: Length 95 * Width 75 * Height 80 3000wAppearance Reference 3000w Handheld Welding	DPH-CHQ1000/1500/2000/3000 Focused Spot Diameter	0.3mm-1.5mm(Adjustable)
Laser Power	1000w/1500w/2000w/3000w	Laser Power	1000w/1500w/2000w/3000w Weight	About180
Modulation Frequency	1Hz-5000Hz	Central Wavelength	1080nm Size(cm)	1500w/1500w/2000w: Length 95 * Width 75 * Height 80 Wire Feeder Length 60*Width 30*Height 40
Wavelength	1070nm-1090nm	Output Power Stability	<1%	
Fiber Length	Ten Meters (Eight Meters Exposed)	Duty Cycle	0-100%	
Scanning Width	Double Pendulum 0nm-50nm, Single Pendulum 0nm-15nm	Pulse Frequency	50HZ-5000Hz	
BPP	1.5M2	Cooling Method	Water-Cooled	
Power Requirement	220V/220V/2380V	Output Fiber Length	Ten Meters (Eight Meters Exposed)	
Weight ±20kg	180kg/180kg	Power Requirement	AC200~240(Single Phase)/200&380V	
Power Consumption Of The Whole Machine	6000w/8000w/10000w	Beam Quality	1.1	

Samples

Advantages

Green, environmental protection, low labor intensity

Cheristicaract

• Laser has excellent coherence, directionality and brightness, with the ability to remove surface contaminants

Applications

• Sheet metal cabinets, hardware cabinets and other hardware industries

Advantages

- General worker 2 hours to get started
 Small heat impact, no deformation
 Efficiency 2~10 times, no need for induction certificate

Cheristicaract

- Smooth welding seam
- No need to polish the welding surface
 Modular control, safety is guaranteed



• Kitchen and bathroom, doors and windows, chassis and cabinets, sheet metal panels, hardware boxes

Samples



QX SERIES LASER CLEANING MACHINE



DP SERIES

(MINI) HANDHELD WATER-COOLED LASER WELDING MACHINE



TECHNICAL PARAMETERS

TECHNICAL PARAMETERS

Model	DP-QX200-C; DP-QX 30O-C;DP-QX500-R;DPH-QX200-M/300-M/500A	Power Consumption 900W/1300W/2500W	Model	DPH-1500-SCBD-W-DP	Safety Rating	Class IV
Laser Power	1000w/1500w/2000w/3000w	Power Consumptio Of The Whole Machine 2000W/3000W/4000W	Laser Power	1500w	Total Power Protection Class	IP54
Modulation Frequency	1Hz-5000Hz	Size(cm) 96*60*102	Central Wavelength	1060nm-1080nm	Size	700nm*470nm*680nm
Wavelength	1060nm-1070nm		Fiber Length	10m		
Fiber Line Length	10m		Weight Of The Gun Head	0.7kg		
Fiber Core Diameter	50um		Cooling Method	Water-Cooled		
BPP	1.5M2		Operating Environment	Ring Mirror Temperature 10-35°C, Relative Humidity 30% RH 85%, No Condensation, No Condensation		
Power Requirement	220V		Power Requirements	220V±5%,50Hz		
Weight ±20kg	120kg/200kg/250kg		Overall Power	5kw		
Cooling Method	Air-Cooled/Water-Cooled		Overall Machine Weight ±10	93kg		

Samples

Advantages

Green, environmental protection, low labor intensity

Cheristicaract

• Laser has excellent coherence, directionality and brightness, with the ability to remove surface contaminants

Applications

• Cleaning of molds, cleaning of weapons and equipment, removal of old aircraft paint, cleaning of building walls, cleaning in the electronics industry, precise de-esterification cleaning in the precision machinery industry, cleaning of pipes in nuclear power plant reactors.



Advantages

- convenient for customers to operate
 Welding speed is 2-5 times faster than traditional welding
 Easy to operate, general workers can be trained to operate after 2 hours



Cheristicaract

- Equipment life up to 100,000 hours
- Dapeng adopts domestic and foreign famous brand electrical components
 Triple safety protection, modular control, safety maintenance is guaranteed



• Cleaning of molds, cleaning of weapons and equipment, removal of old aircraft paint, cleaning of building walls, cleaning in the electronics industry, precise de-esterification cleaning in the precision machinery industry, cleaning of pipes in nuclear power plant reactors.

Samples



DP SERIES

HANDHELD AIR-COOLED LASER WELDING MACHINE







TECHNICAL	PARAMETERS
	PARAMETERS

Model	DPH-1500-SCGW-W-DP	Safety Level	Class IV
Laser Power	1500w	Total Power Protection Level	IP54
Central Wavelength	1060nm-1080nm	Size	79nm*376
Fiber Length	10m		
Weight Of Gun Head	0.7kg		
Cooling Method	Air-Cooled		
Operating Environment	Ring Mirror Temperature 10-35°C, Relative Humidity 30% RH 85%, No Condensation, No Condensation		
Power Requirement	220V±5%,50Hz		
Overall Power	5kw		
Overall Machine Weight ±10	67kg		

TECHNICAL PARAMETERS

		TECHNICAL PARAMETERS	
Model	DPS-300SC	Focused Spot Diameter	0.3-1.5(Adjustable)
Laser Power	3000w	Weight	Net Weight 200kg, 250kg Including Wire Feeder
Operation Mode	Continuous/Modulated	Size	Welding Machine: Length 126 * Width 75 * Height 12 Wire Feeder: Length 60*Width 30*Height 80
Center Radiation Wavelength	1070nm-1090nm	Duty Cycle	0-100%
Pulse Frequency	50HZ-5000Hz		
Cooling Method	Water-Cooled		
Output Fiber Length	Ten Meters (Eight Meters Exposed)		
Output Power Stability	<3%		
Power Requirement	380V		
Beam Quality	1.1		

Samples

Samples





- Small heat affected area
- Smooth and beautiful, no treatment or low treatment cost

Advantages

- General worker 2 hours to get started
 Small heat impact, no deformation
 Efficiency 2~10 times, no need for induction certificate



Cheristicaract

- No need for experience training, one day operation, no need for induction certificate
 Service life greater than 100,000 hours
- Modular control, safety and maintenance are gu



Cheristicaract

- Smooth welding seam
- No need to polish the welding surface Modular control, safety is guaranteed



Applications

• Kitchen and bathroom, doors and windows, chassis and cabinets, sheet metal panels, hardware boxes



Applications

 Cleaning of molds, cleaning of weapons and equipment, removal of old aircraft paint, cleaning of building walls, cleaning in the electronics industry, precise de-esterification cleaning in the precision machinery industry, cleaning of pipes in nuclear power plant reactors.

HZD SERIES







TECHNICAL PARAMETERS TECHNICAL PARAMETERS Weight Of The Whole Machine 300kg Welding Platform DP-HZD6-1500 Working Mode DPH-1000ZD3-CW-CX-W-533 Laser Power Laser Wavelength 1080nm 1500w Appearance Size 1200mm*900mm*1700mm Welding Head LNW-W30 Maximum Modulation Frequency 50-50000HZ Power Requirement/Complete Machine Power 220V/6KW Control System FC-B (Bus Controller) Beam Quality (M2) 1.1M2 Focused Spot Diameter 0.3-1.5 Water Cooling System 1500W/L Electric Control Part Power Adjustable Range : 1-100% **Brand Accessories** Servo Motor Drive Motor **请** 伺服 5*400W Fiber Length : 10/15 Wire Feeder P30A **Rotary Axis** 5kw Cooling Method Water Cooling Effective Stroke : Standard 500*300*300, Can Be Customized According To Product Requirements K11-100

Samples

Advantages

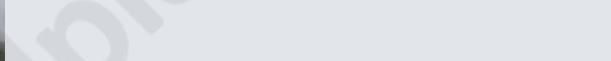
• It uses a five-axis linkage The five-axis linkage is a good way to make a good chain, open (RTCP), and open the control endpoint function to enable any adjustment of the welding direction. True multi-axis linkage can be taught

Advantages

- General worker 2 hours to get started Small heat impact, no deformation
- Efficiency 2~10 times, no need for induction certificate

Cheristicaract

- This makes it easier and more flexible when welding irregularly shaped workpieces
- The machine uses laser technology for welding, which offers high welding speed, high seam accuracy and a small heat affected zone • It is also highly automated, easy to operate and highly reliable



Applications

• The machine is suitable for welding metal parts in the automotive, electronics, aerospace and medical device manufacturing, etc. Welding



Cheristicaract

• A truly advanced open CNC system that allows users to integrate third-party professional software or technology into the system • So that users can customize their own personalized interface and special functions they need

Samples



Applications

• Railway transportation, shipbuilding, automobile, engineering machinery, agriculture and forestry machinery, electrical manufacturing, elevator manufacturing, household appliances, grain machinery, textile machinery, tool processing, oil machinery, food machinery, kitchenware and sanitary ware, decoration and advertising, laser external processing services and other kinds of machinery manufacturing and processing lines

WSERIES

FIBER OPTIC TRANSMISSION LASER WELDING MACHINE





500W/750W/800W/1000W/1500/200oW/2200W/3000W /4000w/4000W/6000w

	TECHNIC	CAL PARAME	ETERS
ZD3-CS-W	DPH-150ZF-CS-W	DPH-500ZD3-CS-W	Power Red

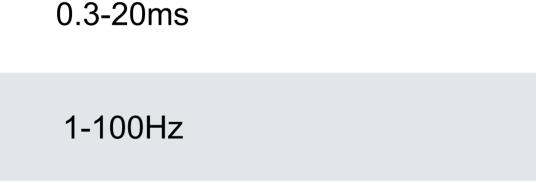
Model	DPH-1500ZD3-CS-W DPH-3000ZD3-CS-W	DPH-150ZF-CS-W DPH-300ZJ-CS-W	DPH-500ZD3-CS-W DPH-500ZJ-CS-W	Power Requirements
Laser Power		1500W,300W,500W		Water Chiller
Laser Wavelength		1064nm		Focused Spot Diameter
Energy Stability		10±3%M		
Pulse Width		0.3-20ms		
Pulse Frequency		1-100Hz		

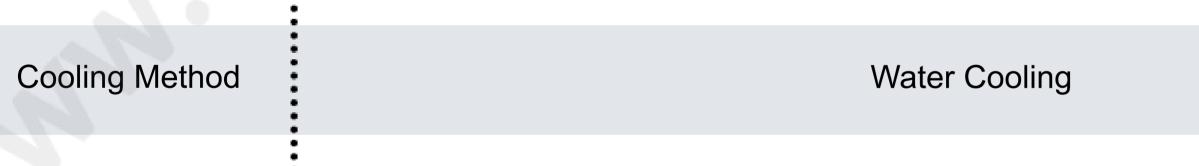
Gold-Plated Cavity

Optional CCD camera monitoring system for easy observation and precise positioning.

Chiller	150W/300W machine: 1HP; 500W machine: 2HP
ameter	0.3-1. 5mm (Adjustable)

Ac220V±5%.5OHZ.5Amp





80J \ 100J \ 110J \ 120J Maximum Single Pulse Energy About 250cm*117cm*150cm (L*W*H) Dimension

	500W MACHINE: 2HP
meter	0.3-1. 5mm (Adjustable)

Adjustable Power Range Output Fibre Length

Pulse Width 0.3-20ms Pulse Frequency 50Hz To 5KHz 10-100%

1080nm

Model

Central Wavelength :

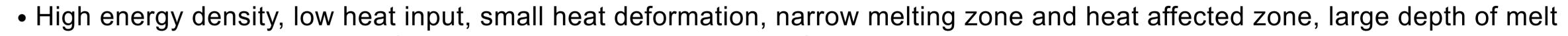
Output Power Stability <1%

Cooling Method Water Cooling

15M (Customizable)

External Dimensions : About 100cm*100cm*172cm

DPH-500~6000ZD3-CW-CX-W



Samples

TECHNICAL PARAMETERS

Power Requirements

Focused Spot Diameter 0.3-1.5mm (Adjustable)

Quality Of Light Speed

AC200-240(Single Phase) 380V

High cooling speed and thus fine weld structure, good joint performance

• Compared to contact welding, laser welding does not use electrodes, which reduces daily maintenance costs and significantly improves work efficiency

Cheristicaract

Advantages

Focusing Cavity

uitable for complex weld seams, spot welding of various devices and seam welding of thin plates up to 1mm
The ceramic spotting cavity imported from the UK is corrosion and high temperature resistant, with a cavity life of (8-10) years

Uniform energy distribution of the weld spot, with the optimum spot required for the welding characteristicsv

and a sleeping lamp life of over 8 million cycles

Samples

Customised automatic fixtures are available for mass production

Applications

• Applications include precision welding of optical communication devices, IT, medical, electronics, batteries, optical fibre coupling devices, video tube guns, metal parts, mobile phone vibration motors, precision parts for watches and clocks, automotive steel, etc.

Cheristicaract

Advantages

- Fine weld seam, large depth of fusion, small taper, high precision, smooth, flat and beautiful appearance
- No consumables, small size, flexible processing, low operating and maintenance costs • Laser transmission via optical fibre, can be used in conjunction with assembly lines or robots

Applications

• Widely used in the automotive, machinery manufacturing, medical equipment, marine, chemical, aerospace, aviation, power cell and household goods industries

ZJ2 SERIES

AUTOMATIC T-SHAPED TOOTHBRUSH VIBRATOR LASER WELDING MACHINE





TECHNICAL PARAMETERS			TECHNICAL PARAMETERS					
Model	DPH-400ZJ2-CS-W	Weight	800KG	Model	DPH-200DB-YAG-W DPH-400DB—YAG—W DPH-600DB-YAG—W	Weight	About 400kg	
Laser Power	400W	Dimension	Table (165*160*80cm) Laser Main Unit (120*110*70cm)	Laser Power	200/400/600w	Aiming And Positioning	Microscope Or CCD	
Laser Wavelength	1064NM	Power Requirementsh	AC 380v 3 Phase/50Hz	Laser Wavelength	1064nm	Power Requirements	220W/50Hz/30A Or 380V	
Welding Range	100mm*100mm			Maximum Single Pulse Energy	100J			
Aiming And Positioning	Red Light			Focusing Cavity	Ceramic Cavity/Gold-Plated Cavity (Optional) 3%			
Output Power Stability	3%			Energy Stability	3%			
Pulse Width	0-20MS			Pulse Width	0-20MS			
Pulse Frequency	≤100HZ			Pulse Frequency	≤100HZ			
Cooling Method	Water Cooling			Cooling Method	Water Cooling			
Welding Depth	≤2mm			Water Chiller	1HP/2HP/3HP			

Samples

Advantages

- High energy density, low heat input, small heat deformation, narrow melting zone and heat affected zone, large depth of melt
- High cooling speed and thus fine weld structure, good joint performance
- Compared to contact welding, laser welding does not use electrodes, which reduces daily maintenance costs and significantly improves work efficiency

Cheristicaract

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 No consumables, small size, flexible processing, low operating and maintenance costs
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Samples

- High cooling speed and thus fine weld structure, good joint performance
- Compared to contact welding, laser welding does not use electrodes, which reduces daily maintenance costs and significantly improves work efficiency

Cheristicaract

- Fine weld seam, large depth of fusion, small taper, high precision, smooth, flat and beautiful appearance
- No consumables, small size, flexible processing, low operating and maintenance costs • Laser transmission via optical fibre, can be used in conjunction with assembly lines or robots

• Widely used in the automotive, machinery manufacturing, medical equipment, marine, chemical, aerospace, aviation, power cell and household goods industries







	TECHNICAL PARAME	ETERS			TEC	HNICAL PARAMETERS		
Model	DPH-500ZD5-CW-W DPH-800ZD5-CW-W DPH-1000ZD5-GW-W	Power Requirements	220W/50Hz/30A Or 380V	Model	DPH-8ZD2-FK-H	Dimension	120KG	
Laser Power	500W.800W.1000W	Chiller	1HP	Laser Power	8W	Weight	1ms-10ms	
Laser Wavelength	1064nm	Power Consumption	3KW/4KW	Laser Wavelength	1064nm	Power Requirements	220V/50Hz	
Aiming And Positioning	CCD			Max. Single Pulse Energy	8J			
Pulse Width	0.3-20ms			Welding Range	100mm*100mm			
Pulse Frequency	Modulation Mode 1-50OKHz/Continuous			Output Power Stability	1%			
Minimum Spot Diameter	0.3nm-1.5nm			Output Fiber Length	0.5nm			
Cooling Method	Water Cooling			Output Power Stability	1-20HZ			
Energy Stability	1%			Power Requirement	Enclosed Water Self-Circulating Phoenix Coolin	g		
Weight	About 200kg			Cooling Method	65cm*100cm*159cm			
	Samples					Samples		

Advantages

- Fiber lasers have an electro-optical conversion efficiency of up to 28%, which is unmatched by existing conventional laser technology
- Due to the high "surface area/volume" ratio of optical fibres, heat dissipation is very good and does not require a large water cooling system. Low power fibre lasers require only air cooling
- and high power fibre lasers are water cooled, making them simpler and cheaper than other equivalent laser technologies
- Savings in spare parts (e.g. lamps and semiconductor arrays), labour and downtime due to
- the more efficient design of fibre lasers and the use of telecom-grade single-core junction pump sources

 Fiber lasers require no optical adjustments and are maintenance free or low maintenance

Cheristicaract

- High beam quality
- Longer operating distances
- Fiber lasers are compact and small, making them easy to integrate into systems. Easy to use with fibre optic conduction, adaptable to the environment and longer working distances for long distance processing and easy automation and flexible processing

Applications

Mainly used for laser welding of thermal cups

Advantages

- High energy density, low heat input, small heat deformation, narrow melting zone and heat affected zone, large depth of melt
 High cooling speed and thus fine weld structure, good joint performance
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ENCLOSED FIBER LASER WELDING MACHINE



		PARAMETER	
		PARAMETERS	

	TECHNIC	AL PARAMETERS				TECHNICAL PARAMETERS	
Model	DPH-1500-SCGW-W-DP	Safety Level	220W/50Hz/30A Or 380V	Model	DPS-2000ZD3B-RC-W	Power Requirements	AC200-240(Single Phase) 380V
Laser Power	120W	Total Power Protection Level	8 Adjustment Steps: 10-350ns	Laser Power	2000W	Light Speed Mass Gathering	1.1
Laser Wavelength	1064nm	Size	10ms/s	Central Wavelength	1080nm	Focal Spot Diameter	0.3-1.5mm (Adjustable)
Output Power Stability	3%			Output Power Stability	<1%		
Pulse Energy	1.5MJ			Pulse Width	0.3-20ms		
Pulse Frequency	10-16000khz			Pulse Frequency	50Hz-5KHz		
Minimum Spot Diameter	0.3mm-1.5m			Adjustable Power Range	10-100%		
Cooling Method	Water Cooling			Cooling Method	Water Cooling		
Dimensions	88cm*65cm*148cm			Output Fibre Length	15M (Customizable)		
Weight	120KG			External Dimensions	About 118cm*103cm*210cm		

Samples

Advantages

- Good beam quality for fine welding applications
 Power density higher than 3.4 MW/cm2 for more applications on high melting point, high hardness metals

Cheristicaract

- Adjustable and reproducible tonnage
- Air-cooled cooling method, small size and no consumables

Applications

• Widely used in the automotive, machinery manufacturing, medical equipment, marine, chemical, aerospace, aviation, power cell and household goods industries

Advantages

High energy density, low heat input, small heat deformation, narrow melting zone and heat affected zone, large depth of melt
High cooling speed and thus fine weld structure, good joint performance
Compared to contact welding, laser welding does not use electrodes, which reduces daily maintenance costs

Samples

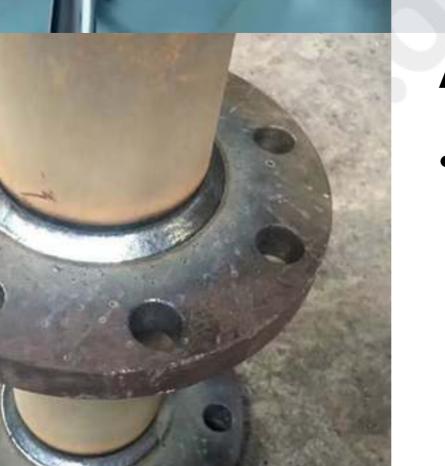
- and significantly improves work efficiency

Cheristicaract

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 No consumables, small size, flexible processing, low operating and maintenance costs
 Laser transmission via optical fibre, can be used in conjunction with assembly lines or robots

Applications

• Widely used in the automotive, machinery manufacturing, medical equipment, marine, chemical, aerospace, aviation, power cell and household goods industries







TECHNICAL PARAMETERS					TECHNICAL PARAMETERS			
Model	DPH-200DH-YAG-W	Optimum ambient temperature	0 ~ 40℃	Model	DPH-200SS-YAG-W	Optimum running environment	0 ~ 40℃	
Aim method	Microscope or CCD	Power demand	220V±3%/50HZ	Energy stability	±3%	Power demand	220V/50Hz/30A	
Laser wavelength	1064nm	Cooling method	water-cooling	Laser wavelength	1064nm	Cooling method	water-cooling	
Laser output power	200W	Continuous operation time	24 hours	Rated output power	200W	Continuous operation time	24 hours	
Focal spot diameter	Φ0.3-1.5mm(Adjustable)	weight	约200kg	pulse width	0.1~20ms	weight	about 200kg	
Energy stability	±3%	Outline size	machine: 118cmX52cmX118cm(L*W*H) water tank: 60cm*42cm*85cm (L*W*H)	Pulse frequency	1-50Hz	Outline size	about 100cm*60cm*121cm (L*W*H)	
pulse width	0.1~20ms	Power consumption	Maximum 6KW	Laser safety level	Class IV	Maximum single pulse energy	80J	
Laser generator	Equipped with original laser, optional with other brand laser	Laser safety level	Class IV	Laser generator	Equipped with original laser, optional with other brand laser	System protection level	IP	
Pulse frequency	1-50Hz	System protection level	IP	Cooling-water machine	1HP	Power consumption	Maximum 6KW	
Cooling-water machine	1HP	Maximum single pulse energy	80J	Aiming location	Microscope	Focal spot diameter	Φ0.3-1.5mm(Adjustable)	

Samples

Advantages

- the penetration ratio is large, the deformation is small, the solder joints are free of contamination, the welds are free of holes, the appearance is smooth and beautiful, and no or only simple post processing is required;
- the laser output power is stable, the equipment operation process is stable and reliable, and the processing consistency is high;
- corrosion resistance, high temperature resistance, high photoelectric conversion efficiency;

Characteristic

It is mainly composed of laser, power supply and control, cooling machine, light guiding and focusing, binocular stereo observation. The structure is compact and small in size. The micro coordinate indication with the laser beam makes the workpiece easy to locate without requiring special clamps. The laser power, pulse frequency and pulse width can be preset and changed by the control panel. The power supply adopts drawer type structure and is easy to remove, so the equipment is convenient for operation and maintenance. No filling solder, high welding speed,

Applications

This equipment can welding of gold and silver, platinum, titanium and its alloys, nickel belt and other materials, can be used for precision welding jewelry, hairsprings, integrated circuit lead, all kinds of small heat sensitive parts, suitable for optoelectronic devices, electronics, communication, machinery, automobile, military industry, gold jewelry and other industries.

Advantages

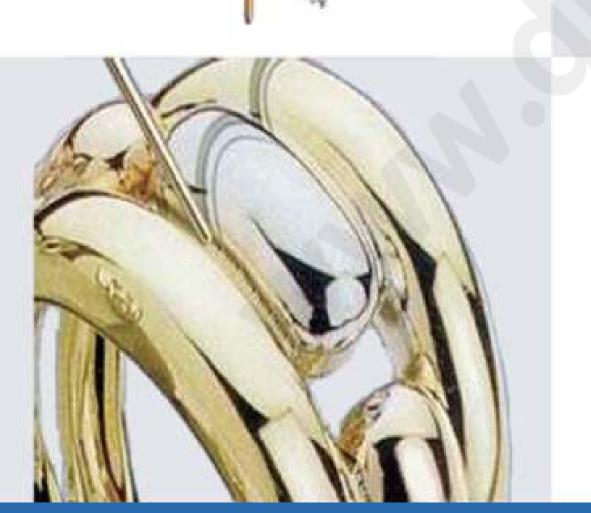
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Samples

- the laser output power is stable, the equipment operation process is stable and reliable, and the processing consistency is high;
- corrosion resistance, high temperature resistance, high photoelectric conversion efficiency;

Characteristic

Jewelry laser spot welding is local heating in a small region of materials using high energy laser pulses, the internal diffusion of laser radiation energy transfer material oriented by heat, the material is melted after forming a melt pool. Laser spot welding machine [jewelry spot welder] can weld the same or different materials together.



Applications

Widely used in jewelry, gold and silver jewelry holes, points weld lines, inlay parts and claws, feet and other parts.







	TECHNICAL PARAN	METERS	TECHNICAL PARA	METERS			
Model	DPH-200MJ-YAG-W、DPH-400MJ-YAG-W DPH-600MJ-YAG-W	Working range	It depends on the worktable	Model	DPH-200XZMJ-YAG-W、DPH-400XZMJ-YAG-W DPH-600XZMJ-YAG-W	Scanning range	It depends on the worktable
Suitable Wire Diameter	0.1mm~1.0mm	Power demand	220V or 380V	Single pulse energy	100J、120J	Power demand	220V/380V
Laser wavelength	1064nm	Cooling method	water-cooling	Laser wavelength	1064nm	Cooling method	water-cooling
Rated output power	200W、400W、600W	Continuous operation time	24 hours	Rated output power	200W、400W、600W	Continuous operation time	24 hours
Spot diameter	0.3-1.5mm	weight	about 220kg	pulse width	0.3-20ms (Adjustable)	weight	about 380kg
Energy stability	±3%		machine:约150cm*60cm*118cm(L*W*H) water tank:约60cm*46cm*85cm(L*W*H)	Batter frequency	1-50Hz	I II II II II A CIZA	machine:约150cm*60cm*170cm Height adjustable water tank:约60cm*46cm*85cm(L*W*H)
pulse width	0.3-20ms (Adjustable)		X axis 300, Y axis 200, Z axis 300 (optional stroke, manual, automatic optional)	Laser safety level	Class IV	Laser operating stroke	X axis 300, Y axis 200, Z axis 300 (optional stroke, manual, automatic optional)
Laser generator	Equipped with original laser, optional with other brand laser	Laser safety level	Class IV	Laser generator	Equipped with original laser, optional with other brand laser	System protection level	IP
Pulse frequency	1-50Hz	System protection level	IP	Cooling-water machine	200W/400W machines: 1HP; 600W machines: 2HP	Power consumption	Maximum 6KW
Cooling-water machine	200W/400W machines: 1HP; 600W machines: 2HP	Maximum single pulse energy	80J	Aiming location	Microscope or CCD	Energy stability	±3%

Samples

Advantages

- · without preheating, the workpiece will not be annealed, free of deformation, no edges, no porosity and trachoma;
- · can be used for cracks, cracks, edges and corners, sand holes and the use of the mold after the restoration of wear;
- use different hardness materials to obtain different post weld hardness (such as: HRC60). The
- die and the cutting edge of the die can also be welded and welded, thus eliminating the tedious

Characteristic

- fast processing, small deformation and heat affected zone (suitable for processing high melting point, high hardness, special materials);
- · local heat treatment of parts, complex shapes of parts, small parts can be processed, but also in vacuum processing;
- because of the advanced processing methods, the existing product structure and material can be improved and the quality of the workpiece can be improved.

Applications

Mainly used in mobile phones, digital products, automobiles and motorcycles and other mold manufacturing and molding industry. Can repair welding of all kinds of mold steel, stainless steel, Brass Steel, precious metals and hard materials etc.

Advantages

1. The special welding wire can be welded to the damaged part of the mould by the high temperature energy produced by the laser, and the original base material is firmly welded. After welding, the electric welding and grinding can be processed into the light surface to repair the mold.

Samples

- 2, to repair precision mold trachoma, cracks, chipping, and wear of small parts.
- 3, the heat affected area is small, will not lead to precise mold deformation.



Characteristic

- · laser can move up and down, front and rear, the platform can be operated electrically, mainly used for large and medium-sized mold repair;
- · local heat treatment of parts, complex shapes of parts, small parts can be processed, but also in vacuum processing;
- because of the advanced processing methods, the existing product structure and material can be improved and the quality of the workpiece can be improved.



Mainly for S136, SKD 11, NAK80, 8407, 718, 738, H13, P20, W302, etc. 2344 die steel, carbon steel, alloy steel, stainless steel, ordinary beryllium copper, copper alloy and hard plastic mold, casting mold, forging mold, stamping die, die casting mould etc.





CS SERIES HAND HELD LASER WELDING MACHINE APPRICATE THE SERIES THE SERIES



	TECHNICAL PARAI	METERS			TECHNICAL PARAMETERS			
Model	DPH-150SC-CS-W、DPH-300SC-CS-W、DPH-500SC-CS-W DPH-150SC-FK-W、DPH-300SC-FK-W、DPH-500SC-FK-W	Control system	PC or PLC	Model	DPH-200ZD2-YAG-W	Working range	It depends on the worktable	
minimal beam diameter	0.3mm-1.5mm	Power demand	220V/50Hz/30A or 380V	Maximum single pulse energy	100J	Power demand	220V/50Hz/30A or 380V	
Laser wavelength	1064nm	Cooling method	water-cooling	Laser wavelength	1064nm	Cooling method	water-cooling	
Rated output power	150W、300W、500W	Continuous operation time	24 hours	Rated output power	200W	Continuous operation time	24 hours	
Aiming location	Red	weight	about 220kg	pulse width	0.3-20ms	weight	about 350kg	
Energy stability	±3%	Outline size	machine: 117cm*70cm*107cm (L*W*H) water tank: 60cm*46cm*85cm (L*W*H)	Pulse frequency	1-100Hz	Outline size	machine:155cm*72cm*142cm(L*W*H) water tank:60cm*46cm*85cm(L*W*H)	
pulse width	0.3-20ms	Laser operating stroke	X axis 300, Y axis 200, Z axis 300 (optional stroke, manual, automatic optional)	Laser safety level	Class IV	Control system	PC or PLC	
Laser generator	Equipped with original laser, optional with other brand laser	Laser safety level	Class IV	Laser generator	Equipped with original laser, optional with other brand laser	System protection level	IP	
Pulse frequency	1-50Hz	System protection level	IP	Cooling-water machine	2HP	Optimum running environment	0 ~ 40℃	
Cooling-water machine	150W/300W machines: 1HP; 500W machines: 2HP	Maximum single pulse energy	80J、100J、110J	Aiming location	Microscope or CCD	Energy stability	±3%	

Advantages

The handheld welding head equipped with five meters long fiber line, flexible and convenient, can realize outdoor welding; The operation mode of hand welding gun can realize the welding of any part and any angle of the workpiece; Suitable for all kinds of complex welds, various parts of spot welding.

Samples

Characteristic

The unprecedented handheld optical fiber welding machine, which fills the gap of handheld welding in the laser equipment industry, subverts the traditional working mode of laser welding machines and replaces the fixed light paths with hand-held methods.

Applications

Widely used in the kitchen and toilet industry, household electrical appliance industry, advertising industry, mold industry, stainless steel doors and windows industry, handicrafts industry, home furnishing industry, furniture industry, auto parts industry, etc.

30.3

Advantages

Processing, widely used in dental laser welding machine welding keyboard, silicon steel sheet welding, welding sensor, battery sealing cover welding etc.; The laser welding machine can improve the work efficiency, the appearance of the finished workpiece is beautiful, the welding seam is small, the welding depth is great, and the welding quality is high

Samples

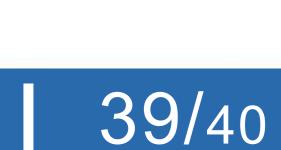
Characteristic

The degree of automation is high and the welding process is simple; Non contact method of operation can achieve clean, environmental protection requirements.



Applications

Manufacturing, electronics, powder metallurgy, automotive industry, biomedicine;Other fieldsBT20 titanium alloy, HEI30 alloy, LI-ion battery and other laser welding.



ZD SERIES

FOUR AXIS AUTOMATIC LASER WELDING MACHINE





GALVANOMETER LASER SPOT WELDING MACHINE



ECH	HNIC	AL F	PARA	AIVIE I	ERS

Model	DPH-400ZD3-YAG-W、DPH-600ZD3-YAG-W	Control system	PC or PLC
minimal beam diameter	0.3mm-1.5mm	Power demand	380V/50Hz/30A
Laser wavelength	1064nm	Cooling method	water-cooling
Rated output power	400W、600W	Continuous operation time	24 hours
Aiming location	CCD/ microscope	weight	about 400kg
Energy stability	±3%	Outline size	machine: 155cm*70cm*170cm (L*W*H) water tank: 53cm*53cm*88cm (L*W*H)
pulse width	0.3-20ms	Power	6KW/12KW
Laser generator	Equipped with original laser, optional with other brand laser	Laser safety level	Class IV
Pulse frequency	≤100HZ	System protection level	IP
Cooling-water machine	400W machines: 3HP; 600W machines: 5HP	Maximum single pulse energy	80J、100J、110J

Maximum single pulse energy Laser wavelength Rated output power pulse width Pulse frequency Laser safety level Laser generator Cooling-water machine

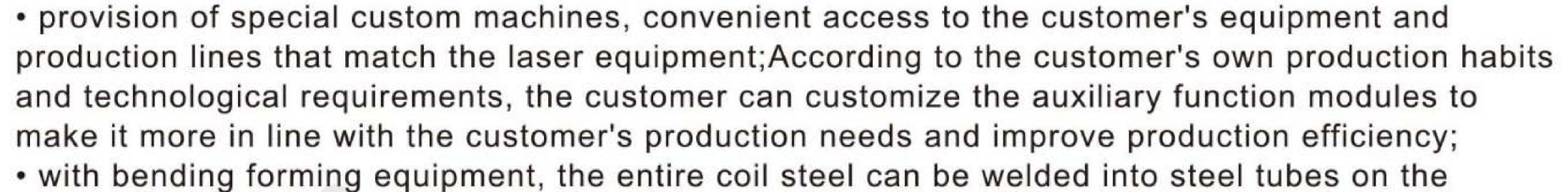
Aiming location

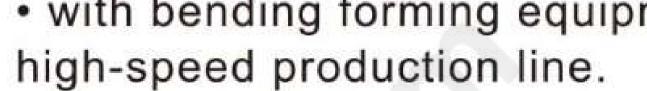
DPH-200ZJ-YAG-W、DPH-300ZJ-YAG-W	Scanning range
100J、110J	Power demand
1064nm	Cooling method
200W、300W	Continuous operation time
0.3-20ms	weight -
1-100Hz	Outline size
Class IV	Control system
Equipped with original laser, optional with other brand laser	System protection level
1HP	Optimum running environment
glow	Spot diameter

TECHNICAL PARA	METERS	
00ZJ-YAG-W	Scanning range	Sight mirror
	Power demand	220V/50Hz/30A or 380V
	Cooling method	water-cooling
	Continuous operation time	24 hours
	weight	about 300kg
	Outline size	155cm*72cm*130cm (L*W*H)
	Control system	PC
ptional with other brand laser	System protection level	IP
	Optimum running environment	0 ~ 40°C
	Spot diameter	0.3mm-1.5mm

Samples

Advantages





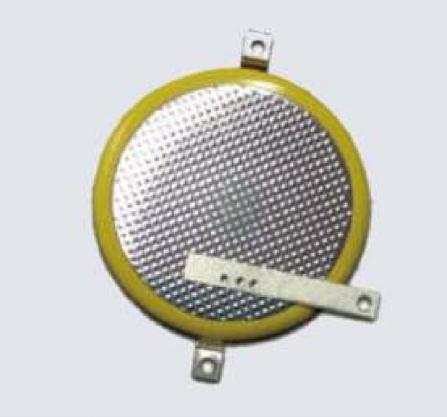


- * high degree of automation, simple welding process;
- * non-contact method of operation can achieve clean, environmental protection requirements; * the laser welding machine can improve the work efficiency, the appearance of the finished workpiece is beautiful, the welding seam is small, the welding depth is great, and the welding

quality is high.

Applications

Processing, widely used in dental keyboard welding, silicon steel sheet welding, welding sensor, battery sealing cover welding; used in manufacturing industry, electronic industry, powder metallurgy, automobile industry, biomedicine; BT20 titanium alloy, HEI30 alloy, Li-ion battery laser



Advantages

- welding speed is several times that of traditional electric cross platform;
- · High precision, stable quality, easy operation, simple maintenance and so on; Especially

Samples

- suitable for laser spot welding of various parts;
- production efficiency of ordinary laser spot welder about 8 times.



Characteristic

In single point welding, the efficiency is improved by 4 - 10 times as compared with the ordinary laser spot welding because of greatly reducing the time of empty positioning. The galvanometer scanning laser welding machine is composed of YAG solid laser, laser power supply, optical scanning system, 3D adjustable worktable, industrial computer system, refrigeration system, laser indication system, operation cabinet and so on.



Applications

High efficiency laser spot welding is mainly used in mobile phone, mobile phone shell, the metal shield metal capacitor shell, computer metal shielding mesh, razor blades, electronic connectors and other electronic products category or seal welding.

ZD SERIES

OPTICAL FIBER TRANSMISSION LASER WELDING MACHINE





TECHNICAL PARAMETERS TECHNICAL PARAMETERS DPH-150ZD3-CS-W、DPH-150ZF-CS-W、DPH-500ZD3-CS-W DPH-300ZD3-CS-W、DPH-300ZJ-CS-W、DPH-500ZJ-CS-W Control system DPH-200ZJ-YAG-W、DPH-300ZJ-YAG-W Sight mirror Scanning range Maximum single 0.3mm-1.5mm 220V/50Hz/30A or 380V Power demand 100J、110J 220V/50Hz/30A or 380V Power demand beam diameter pulse energy 1064nm Cooling method Laser wavelength water-cooling Laser wavelength : 1064nm Cooling method water-cooling Continuous Continuous Rated output power 150W, 300W, 500W 24 hours 24 hours Rated output power 200W, 300W operation time operation time weight CCD or red light about 500kg Aiming location pulse width : 0.3-20ms weight about 300kg Outline size Energy stability about 250cm*117cm*150cm (L*W*H) 1-100Hz Pulse frequency Outline size 155cm*72cm*130cm (L*W*H) pulse width : 0.3-20ms Scanning range It depends on the worktable Laser safety level : Class IV Control system Laser System Class IV Equipped with original laser, optional with other brand laser Equipped with original laser, optional with other brand laser safety level protection level System Optimum running 1-100Hz 0 ~ 40°C Pulse frequency Cooling-water machine : 1HP protection level environment Maximum single Cooling-water 150W/300W machines: 1HP; 500W machines: 2HP 80J、100J、110J Aiming location glow 0.3mm-1.5mm Spot diameter

Samples

pulse energy

Advantages

A laser welding equipment is implemented by coupling high energy laser beam into the optical fiber and transmitting it at a long distance. The laser is collimated by collimated mirror into parallel light and then focuses on the workpiece. For welding difficult to approach parts, flexible transmission non contact welding is more flexible. The laser beam of the optical fiber transmission laser welding machine can realize the time and energy spectrum separation, and can process multi beam simultaneously, providing the conditions for more precise welding.



Characteristic

CCD camera monitoring system is selected to facilitate observation and accurate positioning. The energy distribution of welding spot is uniform, and the optimum spot for welding characteristics is needed. Adapt to all kinds of complicated weld, spot welding and seam welding of various devices, less than 1mm sheet. The use of British imports of ceramic condenser cavity, corrosion resistance, high temperature, cavity life (8-10) years, xenon lamp life more than 8 million times. Special automatic chemical fixture can be customized to realize mass production of products.



Applications

Applied to optical communication devices, IT, medical, electronic, battery, fiber optic coupling devices, picture tubes, electronic guns, metal parts, mobile phone vibration motors, clocks and watches precision parts, automobile steel sheet and other precision welding.



Advantages

The real-time energy negative feedback ensures the output energy of the laser stable, and the output energy can be arbitrarily set according to the welding material, shape and so on.

Samples



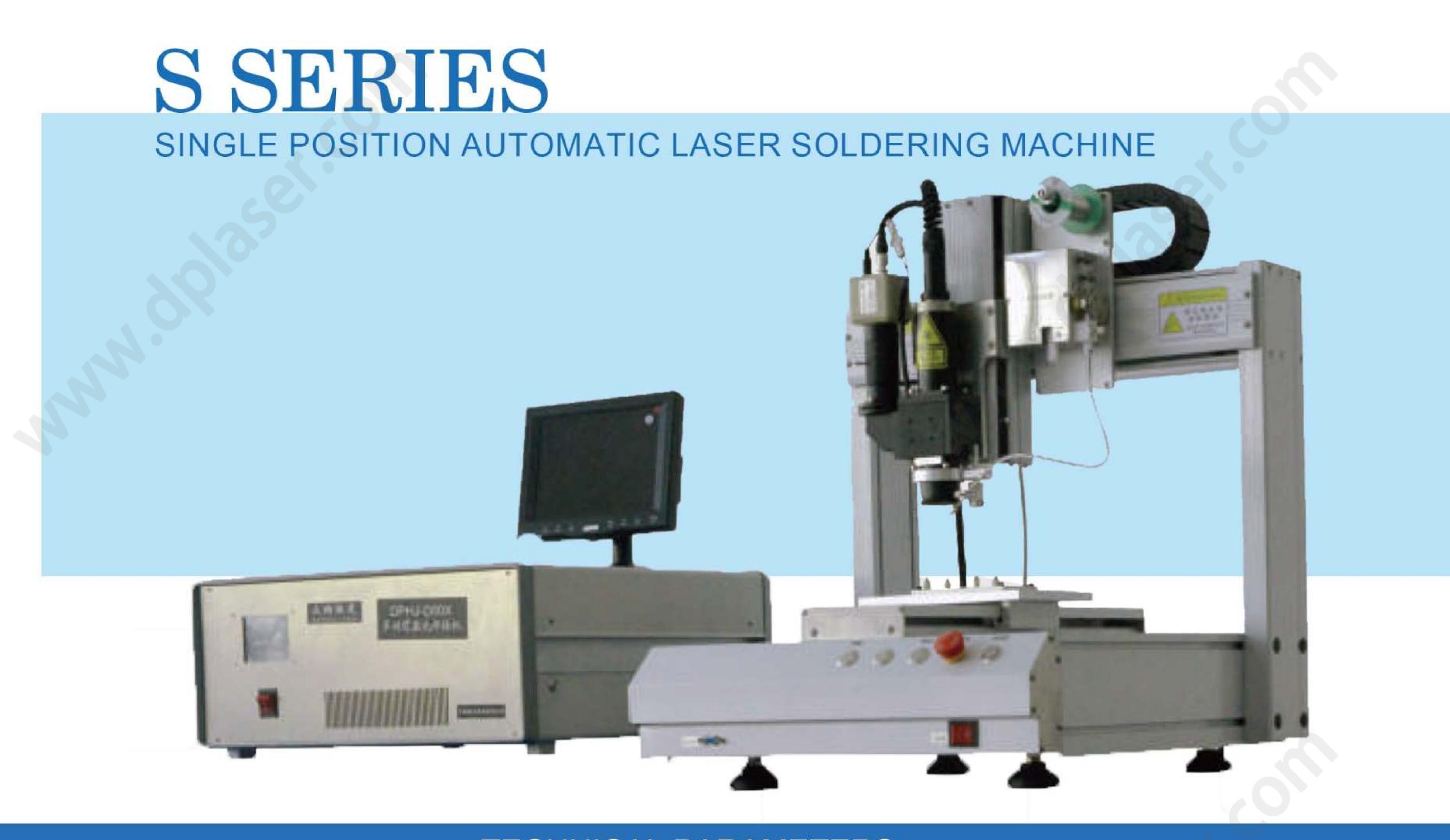
Characteristic

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- * non-contact method of operation can achieve clean, environmental protection requirements;
- * the laser welding machine can improve the work efficiency, the appearance of the finished workpiece is beautiful, the welding seam is small, the welding depth is great, and the welding quality is high.



Applications

Large precision welding mould, electronic components, optical communication devices, IT, medical, electronics, batteries, fiber coupling device, kinescope electron gun, metal parts, mobile phone vibration motor, precision parts, automobile steel watches etc.





TECHNICAL PARAMETERS				TECHNICAL PARAMETERS			
Model	DPM-S50	Optimum running environment	The temperature is 0-40 ℃, and the humidity is 20%-80%	Model	DPH-200GG-YAG-W、DPH-300GG-YAG-W DPH-400GG-YAG-W	Machine running temperature	0 ~ 40℃
Diameter of tin wire	0.3-1mm Optional	Power demand	AC220V/50HZ	Aiming location	Microscope or CCD	Power demand	220V±3%/50HZ
Laser wavelength	808nm	Cooling method	Air cooling	Laser wavelength	1064nm	Cooling method	water-cooling
Rated output power	0-50W Continuously adjustable	Continuous operation time	24 hours	Laser output power	200W、300W、400W	Continuous operation time	24 hours
Welding range	500*300mm(Customizable)	weight	<100kg	Focal spot diameter	Φ0.3-1.5mm(Adjustable)	weight	about 350kg
Platform repeatability positioning accuracy	±0.05mm	Outline size	about 600mm*400mm*500mm	Energy stability	±3%	I II ITIINA CI7A	machine: 150cmX66cmX125cm(L*W*H) Workbench: 60cm*100cm*120cm (L*W*H)
Fiber length	1.5m (Customizable)	Fiber core diameter	400μm	pulse width	0.1~20ms	Power consumption	Maximum 18KW
Laser generator	Equipped with original laser, optional with other brand laser	Laser safety level	Class IV	Condenser cavity	Ceramic cavity / Gold Plated cavity	Laser safety level	Class IV
Axis number	4	System protection level	IP	Pulse frequency	1-50Hz	System protection level	IP
Maximum load at the worktable	10KG	Indicator light	650nm/1mw	Cooling-water machine	1HP	Maximum single pulse energy	80J、100J、110J、120J

Samples



Tin line quantitative, forming one, no splash and residue; the welding effect is good, the spot is full, good consistency; CCD imaging real-time observation processing equipment; function expansion is strong, suitable for processing a variety of complex parts processing; processing program can edit, easy to operate. It can be automatically connected with the front and rear processes, and also can be used by a single machine. It can save the production cost and improve the quality of the products to the maximum extent.



- 1, fast, large depth, small deformation. Small spot, energy concentration, accurate solder joint;
- 2. It can be welded at room temperature or under special conditions. The welding equipment is simple. For example, the laser passes through the electromagnetic field, and the beam does not deflect; the laser can be applied in vacuum, air, and some gas environment and can be welded by glass or transparent material of the beam;

Applications

Application of VCM motor coil welding, flexible circuit board FPC or rigid circuit board PCB welding, high precision of the LCD screen LCD welding, soldering, PCB soldering plate precision connector, thermistor welding materials heat treatment, laser plastic welding etc.

Advantages • the penetration r

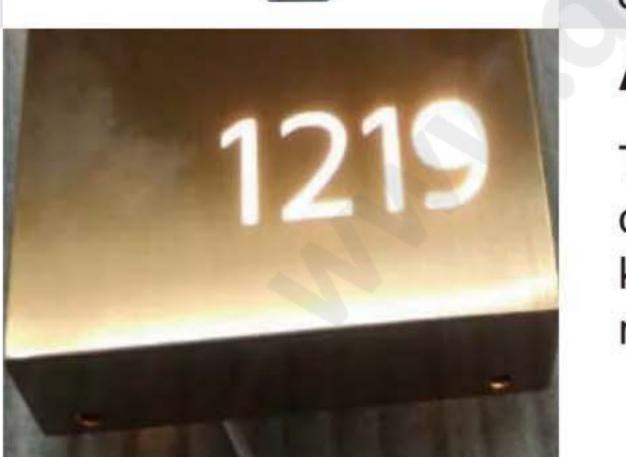
 the penetration ratio is large, the deformation is small, the solder joints are free of contamination, the welds are free of holes, the appearance is smooth and beautiful, and no or only simple post processing is required;

Samples

- the laser output power is stable, the equipment operation process is stable and reliable, and the processing consistency is high;
- corrosion resistance, high temperature resistance, high photoelectric conversion efficiency;

Characteristic

It is mainly composed of laser, power supply and control, cooling machine, light guiding and focusing, binocular stereo observation. The structure is compact and small in size. The micro coordinate indication with the laser beam makes the workpiece easy to locate without requiring special clamps. The laser power, pulse frequency and pulse width can be preset and changed by the control panel. The power supply adopts drawer type structure and is easy to remove, so the equipment is convenient for operation and maintenance. No filling solder, high welding speed,



Applications

This equipment can welding of gold and silver, platinum, titanium and its alloys, nickel belt and other materials, can be used for precision welding jewelry, hairsprings, integrated circuit lead, all kinds of small heat sensitive parts, suitable for optoelectronic devices, electronics, communication, machinery, automobile, military industry, gold jewelry and other industries.



THE SAMPLES SHOW



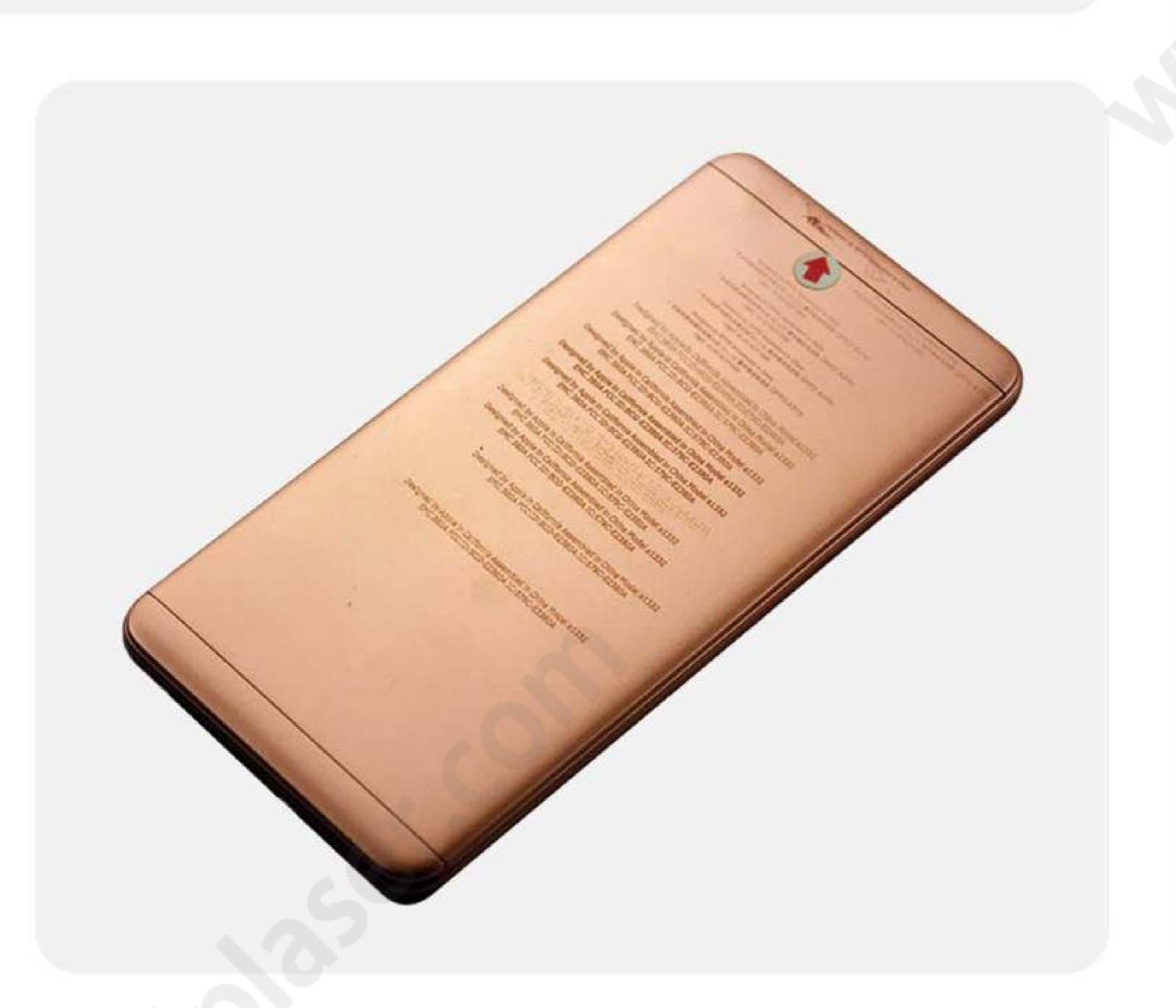


















STRATEGIC PARTNERS



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