PDKJ Make Metal Welding Easy For The World

Spot Welder

Laser Welder

Welding automation





广东普电自动化科技股份有限公司
Guangdong Pudian Automation Technology Co.,Ltd

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FactoryinDongguan,China

China's national high-tech enterprise
www.pdkjwelder.com

About Us

PDKJ PUDIAN

PDKJ
BORN FOR METAL WELDING

90+ intellectual property rights and invention patents / ISO quality system certification / CE Certification

Founded in 2006, PDKJ is a professional supplier of welding automation solutions. The company has passed the ISO9001 international quality management system certification, has more than 90 officially authorized and applied national patents, and a number of core technologies in the welding field fill the technical gap at home and abroad. PDKJ is a national high-tech enterprise. Since its inception, Pudian Technology has been guided by the mission to "Make Metal Welding Easy for the World." Through continuous innovation in welding technology and products, it has solved metal welding problems for nearly 9000 customers worldwide, helping customers reduce costs and increase efficiency, and empowering customers with excellent intelligent manufacturing.PDKJ brand spot welder laser welding machines are popular 85 countries and regions around the world. In the future, we will continue to create lifelong value for users worldwide in the field of welding automation!

PDKJ, BORN FOR METAL WELDING

Our Customer

Cooperative partner

PDKJ
BORN FOR METAL WELDING

By 2026, PDKJ has become a direct or indirect supplier of many Fortune 500 enterprises

The world's top 500 customers list: **Tesla, Ningde Times, Foxconn, Flextronics, Amphenol, China Aerospace, CRRC, State Grid, China Building Materials, Foxlink International, Huawei, Apple, Cisco, Philips, Samsung, Hitachi, Mitsubishi, Sanyo, ABB, Schneider, TDK, Panasonic, Toshiba, Sony, HP, Dell, Siemens, Quanta Computer, Midea, Gree, Haier, Lenovo, Ericsson, LG, Fujitsu, Maersk ThyssenKrupp, Boeing, Airbus, Bosch, Toshiba, Wistron, Daimler, BMW, Honda, Toyota, GM, Ford, Suzuki, Guangzhou Automobile, Nissan, Volkswagen, Mazda, BAIC, Renault, Geely, Dongfeng, Hyundai, etc.**

Key customers in China: **BYD, Xiaopeng Automobile, Ideals, TCL, Skyworth, Changhong, Vantage, Galanz, Easter, Xinwangda, Galaxy Electronics, Guangdong Changying, Kedali, Jingquanhua, Kaizhong, David, Haozhi, Lianying, Dongfang Electric Heating, Jiali Group, Jinde Group, Xuji, China Railway, Sinosteel, Sany Heavy Industry, Fuhua Heavy Industry, Anhui Keda, Zhongheng Electric, Baiyun Electric, Chuanyi Co., Ltd., Tongda Automobile, Wanbao, Haima, Haihong Dadihe, Kaite, Jinjin, Liansu, Conghua Sheet Metal, Hongxun Elevator, Ningbo Wanjin, Yihe Precision, Dingtong Precision, Delta, Yidong, Yangtian, Longguang, Jingliang, Guangdi, Poly, Bailiwenyi, Junpeng, Lianli, Goldsmith Technology, Xinda Gaofan, Yijia Home, Hefeng Furniture, Shenglan Technology, etc**



Production Capacity

Productivity

PDKJ
BORN FOR METAL WELDING



Reception



PDKJ Spot Welder



PDKJ Laser Welder



Office Environment

8000 m^2

Modern R&D and production base

5000+

Annual production capacity

PDKJ' s modern R&D and manufacturing facility spans 8,000 square meters and is home to a professional R&D team with 20 years of deep expertise in the metal welding industry. The facility is fully equipped with advanced CNC machining equipment and specialized welding laboratories; adhering to rigorous quality management standards, it boasts an annual production capacity exceeding 5,000 units of high-quality resistance welders and laser welding machines. Our products have obtained EU export certification and enjoy strong sales worldwide.

Application

Enterprise honor

PDKJ
BORN FOR METAL WELDING

Products of PDKJ

1、Handheld laser welder
2、Vertical spot (convex) welder
3、Capacitor discharge welder
4、Desktop precision spot welder
5、Platform non-marking spot welder
6、Multi-axis linkage laser welder
7、Robot welding system
8、Welding automation solutions

Application industry

1、Automobile and parts industry
2、Household appliances industry
3、Precision electronics industry
4、Hardware sheet metal industry
5、Medical Device Industry
6、Railway transportation industry
7、Aerospace military
8、Other metal products

Honors

Enterprise honor

PDKJ
BORN FOR METAL WELDING

National High-tech Enterprise	CCTV Program Parterner	Shenzhen Sheet Metal Processing Industry Association
Guangzhou Sheet Metal Processing Industry Association Director Unit	Best Domestic Sheet Metal Supplier of Sheet Metal Industry Association	Outstanding Contribution Award of Automobile Industry Association
Director Unit of Guangdong Automobile Industry Association	Recommended Export Brands for China Import and Export of Mechanical and Electrical Products	Songshan Lake Intellectual Property Advantage Enterprise Award
Innovative Enterprise of Guangdong Province	Director Member of China Forging & Pressing Association	Key Incubation Enterprises in Guangdong Province

Qualifications

Enterprise honor

PDKJ
BORN FOR METAL WELDING



统一社会信用代码
91441900675165946A

营业执照
(副本) (1-1)

名　　称　广东普电自动化科技股份有限公司
类　　型　股份有限公司(非上市、自然人投资或控股)
法定代表人　房朋朋
经营范围　一般项目：金属切割及焊接设备制造，金属切割及焊接设备销售，通用设备制造（不含特种设备制造），电机及其控制系统研发；工业机器人制造；软件开发；软件销售；机械设备销售；电子、机械设备维护（不含特种设备）；工业机器人安装、维修；货物进出口；技术进出口。（除依法须经批准的项目外，凭营业执照依法自主开展经营活动）许可项目：道路货物运输（网络货运）。（依法须经批准的项目，经相关部门批准后方可开展经营活动，具体经营项目以相关部门批准文件或许可证件为准）

注册资本　人民币壹仟万元
成立日期　2008年05月12日
住　　所　东莞松山湖高新技术产业开发区工业园区工业北路6号C-1一楼B区

登记机关
2025 年 04 月 2 日

国家企业信用信息公示系统网址：http://www.gsxt.gov.cn　　国家市场监督管理总局监制



高新技术企业
证书

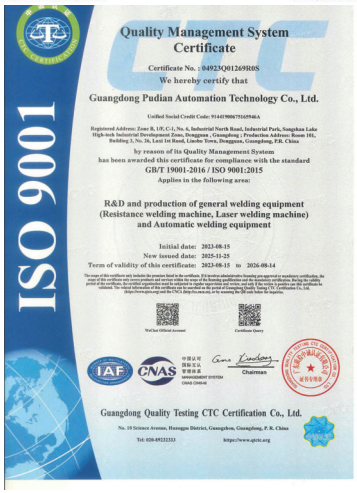
企业名称：广东普电自动化科技股份有限公司　　证书编号：GR202444001140
发证日期：2024年11月19日　　有效期：三年
批准机关：



广东普电自动化科技股份有限公司

自动化创新应用
标杆企业

深圳市固美特科技有限公司
二〇二二年十二月



Quality Management System Certificate

Certificate No.: 04923Q01269R0S

We hereby certify that

Guangdong Pudian Automation Technology Co., Ltd.

Unified Social Credit Code: 91441900675165946A

Registered Address: Zone B, 1/F, C-1, No. 6, Industrial North Road, Industrial Park, Songshan Lake High-tech Industrial Development Zone, Dongguan , Guangdong ; Production Address: Room 101, Building 2, No. 26, Lazi 1st Road, Liaobu Town, Dongguan, Guangdong, P.R. China

by reason of its Quality Management System

has been awarded this certificate for compliance with the standard

GB/T 19001-2016 / ISO 9001:2015

Applies in the following area:

R&D and production of general welding equipment (Resistance welding machine, Laser welding machine) and Automatic welding equipment

Initial date: 2023-08-15
New issued date: 2025-11-25
Term of validity of this certificate: 2023-08-15 to 2026-08-14

Chairman

Guangdong Quality Testing CTC Certification Co., Ltd.

No. 10 Science Avenue, Huangpu District, Guangzhou, Guangdong, P. R. China
Tel: 020-89233333　　https://www.qtctc.org

ISO 9001



中国国家强制性产品认证证书

证书编号：2019010611188329

委托人名称、地址
广东普电自动化科技股份有限公司
东莞松山湖高新技术产业开发区工业园区工业北路6号C-1一楼B区

生产者（制造商）名称、地址
广东普电自动化科技股份有限公司
东莞松山湖高新技术产业开发区工业园区工业北路6号C-1一楼B区

生产企业名称、地址
广东普电自动化科技股份有限公司
东莞松山湖高新技术产业开发区工业园区工业北路6号C-1二楼B区

产品名称和系列、规格、型号
平台式中频逆变无痕点焊机
DB-130W（3~380V，130KVA，X=20%）

产品标准和技术要求
GB15578-2008

上述产品符合强制性产品认证实施规则 CNCA-C06-01:2014 的要求，特发此证。

发证日期：2019 年 10 月 16 日　　有效期至：2024 年 10 月 16 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 www.cnca.gov.cn 查询

主任：

中国质量认证中心

http://www.cqc.com.cn　　中国·北京·南四环西路188号9区 100070　　电话：+86 10 83890666

Q 2444805



中华人民共和国国家版权局
计算机软件著作权登记证书

证书号：软著登字第12005555号

软件名称：电阻焊机自动控制系统 V1.0

著作权人：广东普电自动化科技股份有限公司

开发完成日期：2017年06月12日
首次发表日期：未发表
权利取得方式：原始取得
权利范围：全部权利
登记号：2018SR571460

根据《计算机软件保护条例》和《计算机软件著作权登记办法》的规定，经中国版权保护中心审核，对以上事项予以登记。

No. 02811707

2018年07月20日



ICG
INTERCERT GLOBAL

Certificate of Conformity

No.: DPCW/00775/I/KF/25

Applicant: Guangdong Pudian Automation Technology Co.,Ltd
Address: No.6 Industry Northern Road, Songshan Lake High-Tech Industry Development District, Dongguan City, Guangdong Province, China
Manufacturer: Guangdong Pudian Automation Technology Co.,Ltd
Address: No.6 Industry Northern Road, Songshan Lake High-Tech Industry Development District, Dongguan City, Guangdong Province, China
Product: Platform Type Laser Welding Machine
Type / Models: LWM1500 / LWM2000 / LWM3000
Tested Standard(s): (1) EN ISO 11553-1:2020 (4) EN 61000-6-2:2005 EN ISO 11553-1:2020/A11:2020 EN 61000-6-2:2005/AC:2005 (2) EN ISO 12100:2010 (5) EN 61000-6-4:2007 (3) EN 60204-1:2018 EN 61000-6-4:2007/A1:2011

The product meets the requirements of the above-mentioned standards, which are harmonized with Machinery Directive 2006/42/EC (1, 2, 3) and Electromagnetic Compatibility Directive 2014/30/EU (4, 5)

The assessment of conformity was based on:
- evaluation of the technical documentation of the product as mentioned above,
- results contained in test report no: PD20250606-01-TR, PD20250606-02-TR, PD20250606-03-TR, PD20250606-04-TR, SCC(2S)-801324-07-EMC

This certificate was issued first time at 18/06/2025. This certificate remains valid until 17/06/2030.

This certificate applies only to product samples with the same characteristics and complying with the above-mentioned requirements as the samples submitted for assessment.

This certificate has been issued in accordance with voluntary certification programme DPCW-01 (type 1a by EN ISO/IEC 17067).

Chief Executive Officer
Ben Xu

Warsaw, 18/06/2025

Intercert Global Sp. z o.o.
Kruzca 16/23, 00-526 Warsaw, Poland
Tel: +48 780 142 399 Email: sekretariat@intercertglobal.com

FS-PCU-07-01 edition 01 dated 21.12.2022

intercertglobal.com



ICG
INTERCERT GLOBAL

Certificate of Conformity

No.: PD/00659/2025

Applicant: Guangdong Pudian Automation Technology Co.,Ltd
Address: No. 6 Industry Northern Road, Songshan Lake High-Tech Industry Development District, Dongguan City, Guangdong Province, China
Manufacturer: Guangdong Pudian Automation Technology Co.,Ltd
Address: No. 6 Industry Northern Road, Songshan Lake High-Tech Industry Development District, Dongguan City, Guangdong Province, China
Product: Hand-held fiber laser welding machine with automatic wire feeding
Type / Models: LWM-1500 / LWM-2000 / LWM-3000
Tested Standard(s): (1) EN ISO 11553-2:2008 (5) EN 61000-6-4:2007 (2) EN ISO 12100:2010 EN 61000-6-4:2007/A1:2011 (3) EN 60204-1:2018 (4) EN 61000-6-2:2005 EN 61000-6-2:2005/AC:2005

The product meets the requirements of the above-mentioned standards, which are harmonized with Machinery Directive 2006/42/EC (1,2,3) and Electromagnetic Compatibility Directive 2014/30/EU (4,5).

The assessment of conformity was based on:
- evaluation of the technical documentation of the product as mentioned above,
- results contained in test report no: PD20250117-01-TR, PD20250117-02-TR, PD20250117-03-TR, PD20250117-04-TR, SCC(2S)-80132A-03-EMC

This certificate was issued first time at 13/03/2025. This certificate remains valid until 12/03/2030.

This certificate applies only to product samples with the same characteristics and complying with the above-mentioned requirements as the samples submitted for assessment.

This certificate has been issued in accordance with voluntary certification programme DPCW-01 (type 1a by EN ISO/IEC 17067).

Chief Executive Officer
Ben Xu

Warsaw, 13/03/2025

Intercert Global Sp. z o.o.
Kruzca 16/23, 00-526 Warsaw, Poland
Tel: +48 780 142 399 Email: sekretariat@intercertglobal.com

FS-PCU-07-01 edition 01 dated 21.12.2022

intercertglobal.com

Latest patents

Enterprise honor

PDKJ
BORN FOR METAL WELDING

























Core business

Main Products

PDKJ
BORN FOR METAL WELDING

PDKJ has dedicated itself to the field of metal welding for 20 years, committed to providing customers with the most competitive welding solutions.



Spot Welding Machine



Laser Welding Machine



Welding Automation (Customized)

Laser welder (—)

Laser Welding Machine

PDKJ
BORN FOR METAL WELDING

Portable Handheld Laser Welding Machine: 1200W-F / 1500W-F / 2000W-F

Applications: Suitable for welding metal materials such as aluminum alloy sheets, stainless steel sheets, iron plates, and galvanized sheets.Widely used in industries including stainless steel products, sheet metal fabrication, electrical enclosures and cabinets, kitchenware and sanitary ware, doors and windows, railings, and automotive parts.



Advantage

1. The machine features a compact design for easy transportation—it fits right into a car trunk. Equipped with a 6–10 meter fiber cable, it easily covers workshop, outdoor, and high-altitude operations, truly achieving “one machine in hand, worry-free welding.”
2. Completely eliminates the hassle of a cooling system—no need to add coolant or antifreeze, preventing issues like leakage and scale buildup at the source. Daily maintenance only requires wiping dust from the heat sink, resulting in near zero failure rates. Annual maintenance costs are reduced by over 60% compared to water-cooled models, making it more cost-effective in the long run.
3. Boosts efficiency by 5–10 times, enabling continuous welding without downtime. Welding speed can reach up to 5 meters per minute on 1 mm steel plates, supporting 24-hour continuous operation. Perfect for mass production—less downtime, more output, and clearly improved profitability.

Laser welder (二)

Laser Welding Machine

PDKJ
BORN FOR METAL WELDING

Hand-Held Automatic Wire Feeding Fiber Laser Welder: 1500W/2000W/3000W

Application: It is suitable for welding stainless steel, aluminum alloy plate, carbon steel, galvanized plate and other metal materials. Widely used in cabinets, kitchens, stairs, elevators, racks, ovens, stainless steel door and window guardrails, power distribution boxes, and stainless steel home furnishing industries.



Advantage

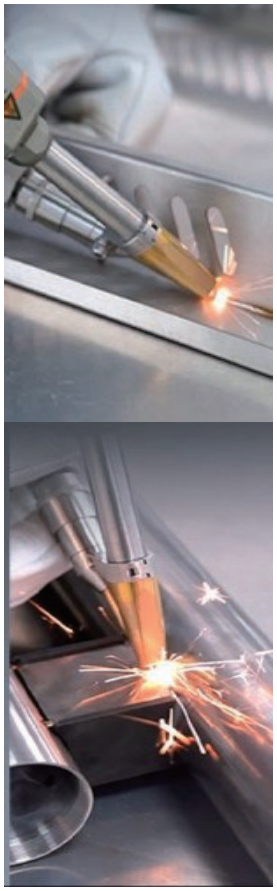
1. The welding speed is fast. One person using a conventional laser welding machine is faster than three people using argon arc welding. One equipment can save at least two welders.
2. Simple operation, automatic wire feeding under the automatic welding gun, novices can also weld beautiful products.
3. The laser welding material consumption is small and the service life is long.
4. The welding seam is smooth and beautiful, with small deformation and wide processing range, which reduces the subsequent grinding process and saves time and cost.
5. The self-developed double swing welding head makes up for the defect of small laser spot, expands the tolerance range of the workpiece and weld width, and obtains good weld forming effect.

Portable Handheld Laser Welding Machine – Technical Specifications

LWM-1200F LWM-1500F LWM-2000F

PDKJ
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Model	LWM-1200F	LWM-1500F	LWM-2000F
Laser Power	1200W	1500W	2000W
Shielding Gas	Argon / Nitrogen	Argon / Nitrogen	Argon / Nitrogen
Laser Wavelength	1064nm	1064nm	1064nm
Operating Voltage	AC220V	AC220V	AC220V
Fiber Cable Length	Standard 10m	Standard 10m	Standard 10m
Aiming & Positioning	Red Light Pointer	Red Light Pointer	Red Light Pointer
Max. Total Power	3.5kW	4kW	5kW
Cooling System	Air-cooled	Air-cooled	Air-cooled
Operating Ambient Temperature Range	15-35°C	15-35°C	15-35°C
Welding Capacity (Stainless Steel / Carbon Steel)	0.2-3.0mm	0.3-4.0mm	0.3-5.0mm
Welding Capacity (Aluminum / Galvanized Steel)	0.2-2.0mm	0.3-3.0mm	0.3-4.0mm
Weld Gap Requirement	≤0.2mm	≤0.2mm	≤0.2mm
Weight	75kg	80kg	80kg
Dimensions	680×380×820mm	680×380×820mm	680×380×820mm



Handheld Laser Welding Machine – Technical Specifications

LWM-1500W LWM-2000W LWM3000W

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Model	LWM-1500	LWM-2000	LWM-3000
Input power	220V / 1500W	220V / 2000W	380V / 3000W
Automatic wire feeding	Yes	Yes	Yes
Bonding strength with base metal	Very good	Very good	Very good
Welding gun model	A/B/C Optional	A/B/C Optional	A/B/C Optional
Laser wavelength	1064nm	1064nm	1080nm
Maximum System Power	4.8kW	6.2kW	8.5kW
Welding gap requirements	<0.5mm	<0.5mm	<0.5mm
Aiming and positioning	Infrared	Infrared	Infrared
Robot automatic welding interface	Yes	Yes	Yes
Welding capacity / Aluminum	0.2-3.0mm	0.2-4.0mm	0.2-6.0mm
Welding capacity / Carbon steel	0.2-4.0mm	0.2-5.0mm	0.2-7.0mm
Welding capacity / Stainless steel	0.2-4.0mm	0.2-5.0mm	0.2-7.0mm
Welding capacity / Galvanized sheet	0.2-3.0mm	0.2-4.0mm	0.2-6.0mm
Welding speed	0-120cm/Min	0-120cm/Min	0-120cm/Min
Weight	252kg	274kg	208kg+88kg
Overall dimension	1050*750*1170mm	1050*750*1170mm	1050*750*1170mm + 650*540*1060mm



Laser welder (三)

Laser Welding Machine

PDKJ
BORN FOR METAL WELDING

Platform Style Seamless Laser Welding Machine: 1500W/2000W/3000W

Application: Widely used in industries such as mobile phones, computers, earbuds, microelectronic components, precision parts, intelligent terminal product components, medical devices, and laser welding between various metal materials such as steel, stainless steel, copper, aluminum, and galvanized materials.



Advantage

1. This welder is an innovative piece of equipment that seamlessly integrates high precision, high efficiency, and flexibility. Featuring a swing-arm structural design paired with a highly stable work platform, it is specifically engineered for the metalworking and fabrication industry.

2. It offers flexible and convenient welding operations, characterized by excellent beam quality, minimal workpiece deformation, aesthetically pleasing weld formation, and high overall reliability.

3. Ideal for the spot welding of various metal frame components and sheet metal parts, this unit boasts numerous advantages, including simple operation, clean and attractive weld spots, and rapid welding speeds.

4. It is suitable for joining a wide range of metal materials—including aluminum alloys, stainless steel, iron, and galvanized steel—enabling seamless, trace-free welding that results in a flawless and aesthetically superior finish.

Handheld Laser Welding Machine – Technical Specifications

LWM-1500W LWM-2000W LWM-3000W

PDKJ
BORN FOR METAL WELDING

Model	LSW-1500	LSW-2000	LSW-3000
Input Power / Power Rating	220V / 1500W	220V / 2000W	380V / 3000W
Bonding Strength with Base Material	Good	Good	Good
Welding Torch Model	Dual-Oscillation Handheld Welding Gun	Dual-Oscillation Handheld Welding Gun	Dual-Oscillation Handheld Welding Gun
Laser Wavelength	1064nm	1064nm	1080nm
Maximum System Power	4.8kW	6.2kW	8.5kW
Aiming & Positioning	Infrared	Infrared	Infrared
Welding Capability / Aluminum	0.2-2.0mm	0.2-3.0mm	0.2-4.0mm
Welding Capability / Carbon Steel	0.2-3.0mm	0.2-4.0mm	0.2-5.0mm
Welding Capability / Stainless Steel	0.2-3.0mm	0.2-4.0mm	0.2-5.0mm
Welding Capability / Galvanized Steel	0.2-2.0mm	0.2-3.0mm	0.2-4.0mm
Weight	256+60kg	256+60kg	256kg+88kg
Swing Arm Welding Range / Table Dimensions	Standard Dimensions: 1000 × 600 mm (Customizable to 1200 × 800 mm or other sizes)		
Weight	Standard Dimensions: 1000 × 600 × 800 mm (Customizable to 1200 × 800 × 800 mm or other sizes)		



Laser welder (四)

Laser Welding Machine

PDKJ
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Robot Integrated Optical Fiber Laser Welding Workstation: 1500W/2000W/3000W

Application: Primarily suitable for the welding of metal materials such as vehicle body frames and battery enclosures. Widely utilized across numerous sectors, including aerospace, automotive manufacturing, hardware and machinery, the electronics industry, new energy, energy storage, and medical devices.



Advantage

The robot has precise welding paths, uniform welds, good appearance, and stable welding quality.

It can work continuously for a long time, with high work efficiency, cost savings, and high safety.

This equipment mainly consists of industrial robots, laser welding machines, workbench fixtures, safety protection devices, and control systems, which can accurately perform welding tasks.

Laser welder （五）

Laser Welding Machine

PDKJ
BORN FOR METAL WELDING

Galvanometer Continuous Laser Welding Machine： 1500W/2000W/3000W

Application: Widely applied across industries such as mobile phones, computers, electrodes, microelectronic components, precision parts, smart terminal product assemblies, and medical devices; utilized for the laser welding of various metal materials, including carbon steel, stainless steel, copper, aluminum, galvanized steel, and others.



Advantage

The galvanometer laser welding machine outputs high-energy laser beams via a fiber or semiconductor laser source.

These beams undergo X/Y-axis deflection by two high-reflectivity mirrors driven by high-speed motors within the galvanometer system. Coupled with a dynamic focusing module that adjusts the spot size, the system enables the laser to execute complex trajectory scans within milliseconds, thereby achieving multi-point simultaneous welding.

Multiple operating modes: Spot welding, butt welding, overlay welding, sealing welding, circular arc welding, circumferential welding, etc

Industrial PC control: Can perform graphic welding processing of laser points, straight lines, circles, squares, and other planar shapes

Laser welder （六）

Laser Welding Machine

PDKJ
BORN FOR METAL WELDING

Multi Axis Platform Laser Welding Machine：1500W/2000W/3000W

Application: Multi axis laser welding machines are widely used in fields such as fan manufacturing, aerospace, automotive manufacturing, and electronics industry. Especially in the field of fan manufacturing, this welding machine can achieve precise welding of complex workpieces such as fan impellers, improving the performance and reliability of fans.



Advantage

The XYZ three-axis mobile platform, coupled with the universal drive of the rotating shaft for laser welding joints, combined with an automatic rotating fixture, can achieve product splicing seam welding and lap fusion welding;

The R axis can achieve arc welding and circumferential welding of products.

The welding machine is equipped with a welding positioning system, which simplifies the welding process, improves production efficiency and welding quality.

Vertical spot welder (—)

Spot Welding Machine

PDKJ
BORN FOR METAL WELDING

Intermediate Frequency Inverter DC Spot (Convex) Welder

Recognized by the China Intellectual Property Office and obtained the patent certificate

Application: It is especially suitable for welding of metal materials such as aluminum, copper, galvanized sheet, carbon steel, nickel, tungsten and high temperature enameled wire, flexible connection, inductor coil. Widely used in automobile and auto parts manufacturing, new energy power battery, photoelectric communication, electric light source, motor, hardware, furniture, kitchenware and other fields of metal products welding.



Screw nut



Metal Chassis



Screw nut



Stainless Steel



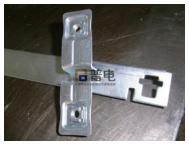
Wire Mesh Basket



Metal Parts



Automobile parts screw



Auto Parts



DTB-80/160/240



DTB-280/340/450

Medium-Frequency Spot Welding Machine – Technical Specifications

DTB-80 DTB-160 DTB-240

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BORN FOR METAL WELDING

Model	DTB-80	DTB-160	DTB-240
Rated Capacity	80kVA	160kVA	240kVA
Input power supply	3~ 380V	3~ 380V	3~ 380V
Maximum short-circuit current	25kA	35kA	50kA
Load Sustainability	20%	20%	20%
Control mode	Primary/secondary constant current	Primary/secondary constant current	Primary/secondary constant current
Inverter frequency	1000HZ	1000HZ	1000HZ
Maximum pressurization force	6000N	6000N	12000N
Electrode stroke	80mm	80mm	100mm
Cooling water flow	12L/min	12L/min	14L/min
Welding Capability/Aluminum Plate	2.0+2.0mm	2.5+2.5 mm	3.0+3.0 mm
Welding Capability/Carbon Steel	2.5+2.5mm	3.0+3.0 mm	4.0+4.0 mm
Arm Extension Size	500×250mm	500×250mm	500×350mm
Electrode Arm Size	Ø59×173mm	Ø59×173mm	Ø74×195mm
Electrode Grip Size	Ø24.6×180mm	Ø24.6×180mm	Ø31.6×250mm
Electrode Head Size	Ø16×50 mm	Ø16×50 mm	Ø20×60mm
Weight	336kg/392kg	384kg/440kg	733kg/809kg
Overall Dimension	1180×750×1830mm	1180×750×1830mm	1200×870×2340mm

Medium-Frequency Spot Welding Machine – Technical Specifications

DTB-280 DTB-340 DTB-450

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Model	DTB-280	DTB-340	DTB-450
Rated Capacity	280kVA	340kVA	450kVA
Input power supply	3~ 380V	3~ 380V	3~ 380V
Maximum short-circuit current	65kA	80kA	100kA
Load Sustainability	20%	20%	20%
Control mode	Primary/secondary constant current	Primary/secondary constant current	Primary/secondary constant current
Inverter frequency	1000HZ	1000HZ	1000HZ
Maximum pressurization force	12000N	12000N	12000N
Electrode stroke	100mm	100mm	100mm
Cooling water flow	14L/min	16L/min	20L/min
Welding Capability/Aluminum Plate	3.5+3.5mm	4.0+4.0mm	5.0+5.0mm
Welding Capability/Carbon Steel	4.5+4.5mm	5.0+5.0mm	6.0+6.0mm
Electrode Arm Size	Ø 74x195mm	Ø 74x195mm	Ø 74x195mm
Electrode Grip Size	Ø 31.6×250mm	Ø 31.6×250mm	Ø 31.6×250mm
Electrode Head Size	Ø 20 x 60 mm	Ø 20 x 60 mm	Ø 20 x 60 mm
Weight	820kg	900kg	980kg
Overall Dimension	1205*870*2140mm	1205*870*2140mm	1205*870*2140mm

Capacitor Discharge Welder (二)

Spot Welding Machine

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Capacitor Discharge Spot (Projection) Welder

Application: It is primarily suitable for the welding of nuts, bolts, and highly conductive metallic materials such as stainless steel and carbon steel. It is widely utilized across various manufacturing sectors, including aerospace, defense, automotive, new energy, energy storage, hardware and home appliances, and telecommunications and electrical equipment.





Energy Storage Spot Welding Machine – Technical Specifications

DKR-6000 DKR-15000 DKR-30000 DKR-45000

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Model	DKR-6000	DKR-15000	DKR-30000	DKR-45000
Capacitance	12000μF	30000μF	60000μF	70000μF
Rated Capacity	16kVA	45kVA	100kVA	100kVA
External Power Supply	3~ 380V / 50 Hz	3~ 380V / 50 Hz	3~ 380V / 50 Hz	3~ 380V / 50 Hz
Maximum Primary Current	40A	79A	132A	158A
Primary Cable Specifications	25㎟	25㎟	50㎟	50㎟
Maximum Short Circuit Current	60KA	100KA	140KA	200KA
Rated Load Sustainability	50%	50%	50%	50%
Secondary Voltage	10/12V	15/18V	20/26.6V	27/30V
Welding cylinder specifications	Ø160*100	Ø200*150	Ø300*150	Ø300*150
Maximum working pressure	10000N	15000N	35000N	35000N
Throat depth	500mm	500mm	500mm	500mm
Arm spacing	350mm	350mm	350mm	350mm
Overall dimension	1200mm*900mm*2100mm	1300mm*900mm*2300mm	1500mm*1000mm*2400mm	1500mm*1200mm*2400mm
External Dimension of Energy Storage Cabinet	800*750*1600mm	1000*750*1800mm	1200*750*2000mm	1300*750*2000mm

Desktop spot welder (三)

Spot Welding Machine

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Desktop AC Precision Spot Welder / Desktop IF Inverter Precision Spot Welder

Recognized by the China Intellectual Property Office and obtained the patent certificate

Application: It is especially suitable for the welding of fine workpieces such as electrical switches, copper wire connectors, terminal wires, silver contacts, patch inductors, coils, fuses and hardware, and is widely used in the welding of precision components such as electronics, electrical appliances, medical devices, instruments and meters.



Small copper sheet



Terminal wire



Type-C



Small silver contacts



Precision Components



Precision small parts



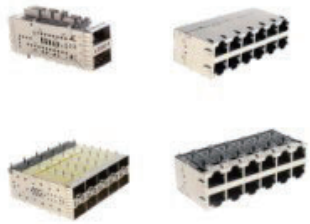
Terminal Harness



Switch Harness (Copper)



DN-25T AC





DB-80T DC

Desktop spot welder parameter

DN-25T DB-80T

PDKJ
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Model	DN-25T AC
Rated Capacity	25kVA
Input Power	2~ 380V
Maximum Short Circuit Current	15kA
Load Sustainability	20%
Rated Frequency	50/60HZ
Maximum Clamping Force	750N
Electrode stroke	50mm
Cooling water flow	4L/min
Arm Extension Dimension	120 x 115mm
Electrode arm size	Ø49 × 100mm
Electrode Grip Size	Ø19.6mm x 100mm
Electrode head size	Ø 13mm x45mm
Net Weight / Gross Weight	120kg/147kg
Overall Dimension	810*500*680mm

Model	DB-80T DC
Rated Capacity	80kVA
Input Power	3~ 380V
Maximum Short Circuit Current	22kA
Load Sustainability	20%
Rated Frequency	1000HZ
Maximum Clamping Force	750N
Electrode stroke	50mm
Control mode	Primary/secondary constant current
Cooling water flow	4L/min
Arm Extension Dimension	120 x 115mm
Electrode arm size	Ø49 × 100mm
Electrode Grip Size	Ø19.6mm x 100mm
Electrode head size	Ø 13mm x45mm
Net Weight / Gross Weight	138kg/165kg
Overall Dimension	800*750*650mm

Platform spot welder （四）

Spot Welding Machine

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Platform Type Medium Frequency Inverter Spot Welder (King of Sheet Metal)

Recognized by the China Intellectual Property Office and obtained the patent certificate

Application: It is especially suitable for welding aluminum, galvanized sheet, stainless steel, carbon steel and other metal materials. It is widely used for welding large workpieces such as sheet metal industry, chassis and cabinet, elevator metal door panel, kitchen utensils and hardware appliances.









DB-170W
(Single Gun)



DB-170W-S
(Dual Gun)

Platform-Type Seamless Spot Welder — Technical Specifications

DB-170W DB-170W-S

PDKJ
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Model	DB-170W (Single Gun)	DB-170W (Dual Gun)
Rated Capacity	170kVA	170kVA
Input Power Supply	3~ 380V	3~ 380V
Rated Frequency	1000HZ	1000HZ
Welding gun model	Horizontal Welding Gun	Vertical Welding Gun / Horizontal Welding Gun
Welding gun length	390mm	390mm/300mm
Maximum short-circuit current	22000A	22000A
Load Continuous Training Rate	20%	20%
Electrode Pressure	2000N	2000N
Welding Capacity/Mild Steel	3.0+3.0mm	3.0+3.0mm
Welding Capability/Aluminum Plate	2.0+2.0mm	2.0+2.0mm
Gas Pressure	0.6Mpa	0.6Mpa
Weight	800kg	800kg
Tabletop Dimensions	1000 × 800 mm (Customizable upon request)	1500 × 800 mm (Customizable upon request)
Tabletop Height	700–800 mm (Electrically adjustable height)	750–850 mm (Electrically adjustable height)

Customized Welding Equipment (—)

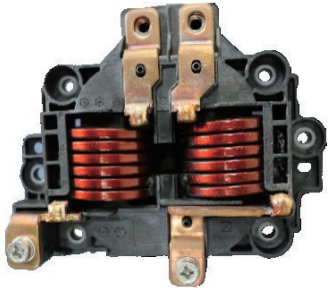
Welding Automation

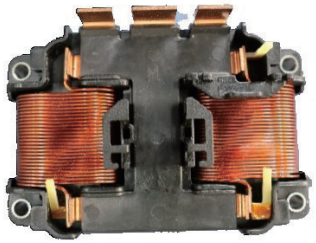
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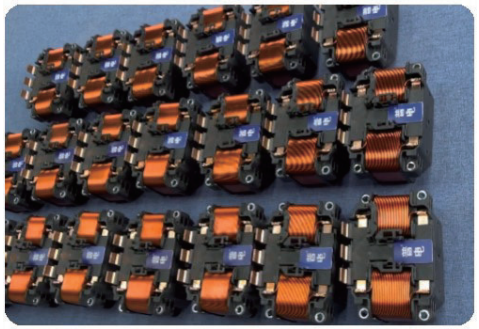
Inductive Terminal High-frequency Micro Arc Welding Machine

In the electronics industry, high-frequency micro-arc welding machines for inductor terminals are widely utilized for welding the terminals of inductor components across various electronic devices—such as power adapters, chargers, and electronic transformers.

They are also employed in the automotive electronics sector for welding inductor terminals within equipment such as electronic control systems and sensors.









Customized Welding Equipment（二）

Welding Automation

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Specialized Automatic Machine for Radiator Pipe Cutting and Welding

This specialized automated machine for radiator pipe cutting and welding integrates laser positioning, pulse welding, and intelligent control technologies to achieve a fully automated workflow encompassing automatic feeding, precision cutting, and seamless welding.

Product Features:

The equipment integrates various modules—including feeding, cutting, and welding mechanisms—to form a complete automated process. The total cycle time for the entire machine is controlled within 77 seconds; from the feeding and cutting of the aluminum pipe to the completion of welding, each stage is seamlessly interconnected and executed in a single continuous flow, thereby significantly boosting production efficiency.



Customized Welding Equipment (三)

Welding Automation

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Flat-Type Gantry Automatic Welding Machine

This welding machine is a specialized automated system developed specifically for the welding of sheet metal structural components, such as charging pile cabinets, outdoor charging enclosures, and power distribution boxes.

The equipment features a gantry-style structure, offering exceptional stability and an expansive welding range. It is ideally suited for the frame welding, butt welding, and reinforcement rib welding of various sheet metal materials, including galvanized steel, cold-rolled steel, and stainless steel.

Process: The gantry crossbeam is driven by a servo system, ensuring smooth torch movement that results in consistent weld formation, minimal spatter, and a superior aesthetic finish. Furthermore, the system can automatically execute functions such as position sensing, vertical adjustment, and trajectory tracking—adapting dynamically to the specific dimensions of the cabinet being welded—making it highly suitable for the high-volume production of cabinet enclosures.



Customized Welding Equipment (四)

Welding Automation

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Specialized Multi-Head Spot Welding Machine for Door Panel Hinges

This welding machine precisely addresses the challenges regarding welding precision, efficiency, and process coordination—specifically concerning door panel hinges and reinforcing ribs—within the metal fabrication and sheet metal manufacturing sectors, thereby significantly boosting overall welding efficiency.



Product Features:

The equipment is equipped with multiple independent welding heads and employs a precise welding mode featuring sequential, individual-head discharge. This enables the simultaneous processing of multiple weld points in a single operation, facilitating the highly efficient welding of door panel hinges without the need for additional equipment changes or process adjustments.

It supports the storage and rapid recall of welding parameters, allowing new personnel to master its operation quickly after undergoing only minimal training.

Welding Automation

Non standard customized service

PDKJ
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With 20 years of deep expertise in the metal welding industry, PDKJ continuously innovates welding technologies to provide global users with the most competitive comprehensive welding solutions!

PDKJ focuses on automatic welding of laser and resistance welding. With 20 years of experience in automatic customization, it has been shared by more than 3000 high-end users around the world.

Examples include: BYD Dedicated Machine for Copper Wire Terminal Welding; Anzhao Oil-Filled Radiator Production Line; Lete Dedicated Machine for Spot Welding of Aluminum Automotive Radiator Components; Fengshi Dedicated Machine for Wire Mesh Welding; Hettich Dedicated Machine for Drawer Slide Welding; Qixin Dedicated Machine for Medium-Frequency Welding of Side Burner Stands; Huayangtong Dedicated Machine for Welding Reinforcement Ribs to Door Panel Mounting Brackets; and CRRC Dedicated Machine for Copper Wire Welding.



Automobile internal spline shaft welding assembly



Automatic welding production line for automobile steering assembly



Multi spot welder for radiator of heater



Auto welding machine for automobile subframe



Automatic welding production line for automobile brake



Robot workstation for automobile rotary station

PDKJ Equipment

Customer use site



BYD



Robot laser welding workshop



Electric Heater Welding Production Line

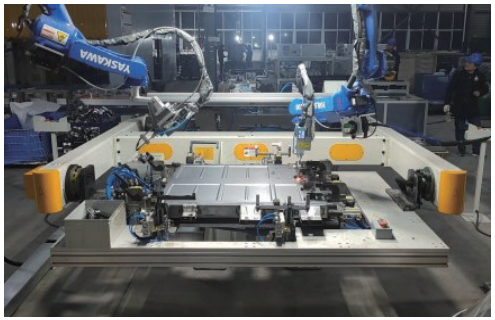


Sheet Metal Factory Spot Welding Machine Workshop



On-site View of Custom-Built Welding Machinery

PDKJ Welding Machines Welding Applications in the Automotive and Auto Parts Industries









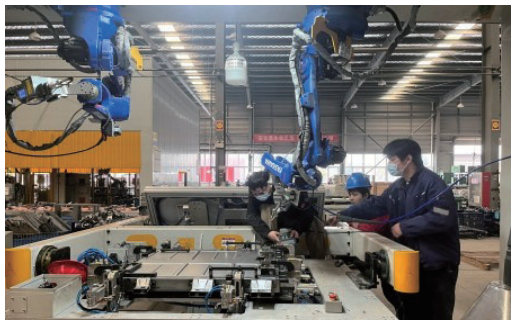














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Technology drives the future, quality changes the world

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