

ASSIST CHINA

SMART MANUFACTURING



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6th Floor, No.4 Building, Huidongsheng Industrial Park, No. 1028 Guangqiao Avenue,
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LASER WELDING MACHINE

SHENZHEN HORIZON LASER TECHNOLOGY CO., LTD

COOPERATION, WIN-WIN, INNOVATION AND DEVELOPMENT

COMPANY PROFILE

SHENZHEN HORIZON LASER TECHNOLOGY CO., LTD. - GLOBAL LASER INTELLIGENT MANUFACTURING LEADER

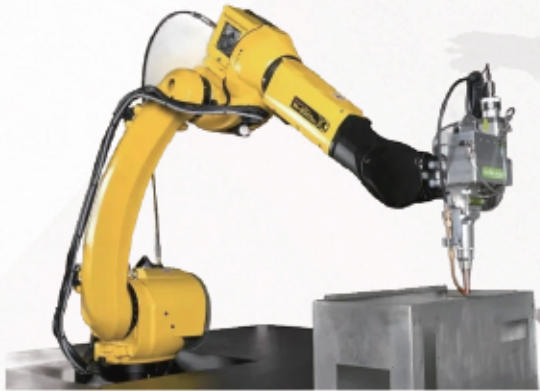
Shenzhen Horizon Laser Technology Co., Ltd. is a national high-tech enterprise that integrates research and development, production, sales, and service. It is committed to providing high-end laser equipment and intelligent solutions for the global industrial field. Since its establishment, the company has always been driven by technological innovation, with the mission of "Laser Empowered Intelligent Manufacturing". Its business covers more than 50 countries and regions around the world, becoming a benchmark in the field of laser welding and cleaning, and fully covering a full range of equipment such as laser cutting and marking, helping customers achieve precision machining and green production.

PRODUCT DISPLAY

ROBOT LASER WELDING

Technical parameters

laser power	1000w-30000w (optional)
Robot	6-axis robot, arm span: 1500-2600mm, load: 12-50kg
Welding width	Double swing welding head (0-5mm)
Swing trajectory	Points, lines, circles, double circles, Bazi, etc
Customizable	Additional axis, positioner, weld seam tracking, visual positioning, wire drawing, robot loading and unloading, fixture, welding room, vacuum system, humanoid detection and light curtain safety system, etc



MULTI AXIS PLATFORM LASER WELDING MACHINE

Technical parameters

laser power	1000W-6000W (optional)
Number of motion axes	Standard 4-axis (optional 3-6 axis, rotating axis)
Processing range (L * W * H)	100-900mm (larger sizes can be customized)
Repetitive positioning accuracy	±0.03mm
customizable	Dual station, CCD visual positioning, wire drawing, fixture



AIR COOLED HANDHELD LASER WELDING MACHINE

Technical parameters

Device Model	DPX-A800	DPX-A1200	DPX-A1500	DPX-A2000
Welding thickness	≤ 2.5mm	≤ 3.5mm	≤ 4.0mm	≤ 6.0mm
Adjustable width of weld seam	0~8mm			
Welding gun cable length	10m			
Product dimensions(L*W*H)	543*325*580mm			760*360*600mm
Total weight	32kg	32kg	36kg	44kg
power supply demand	220V, ≤ 2.5KW	220V, ≤ 3.7KW	220V, ≤ 4.6KW	220V, ≤ 6.1KW



WATER COOLED HANDHELD LASER WELDING MACHINE

Technical parameters

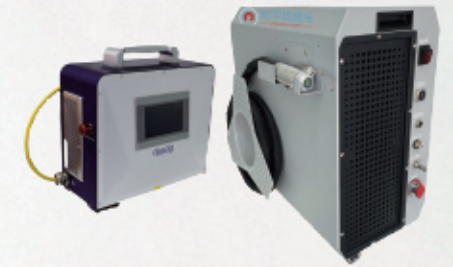
Device Model	DPX-W1500	DPX-W2000	DPX-W3000	DPX-W6000
Welding thickness	≤ 4.0mm	≤ 6.0mm	≤ 8.0mm	≤ 12.0mm
Adjustable width of weld seam	0~8mm			0~12mm
Welding gun cable length	10m		20m	
Product size (L * W * H)	980*550*720mm		980*650*920mm	1155*685*1250mm
Total weight	98kg	103kg	170kg	206kg
Total power consumption	<6.7kw	<8.4kw	<13kw	<26.5kw
Working Voltage	220V		380V	



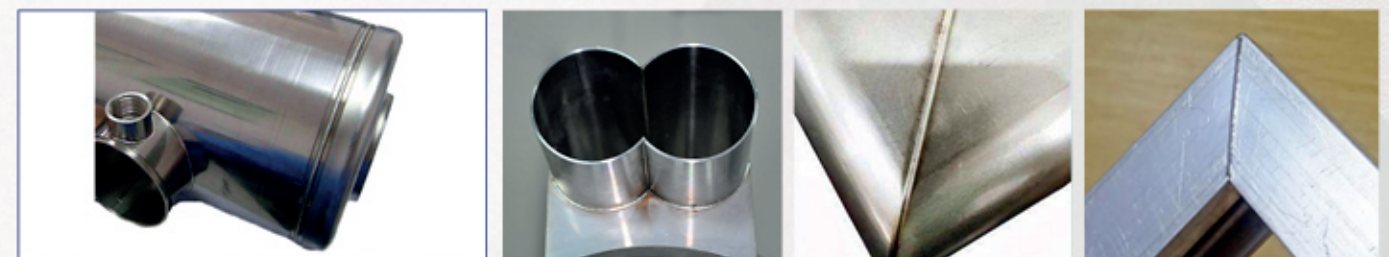
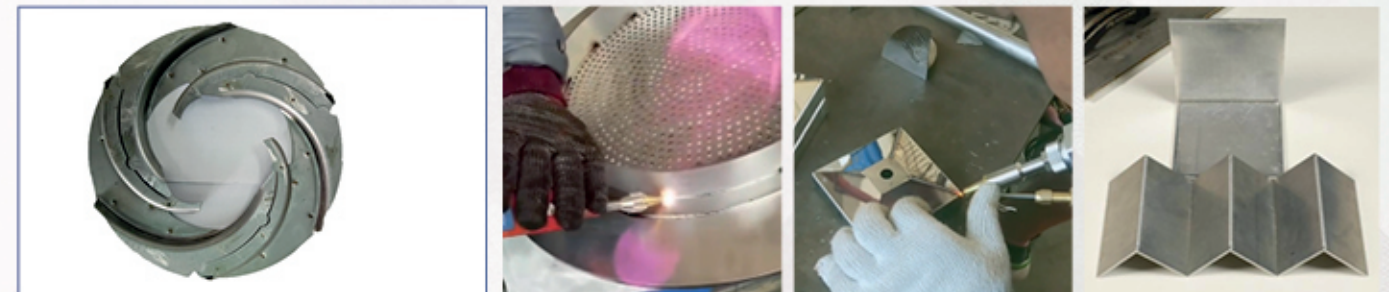
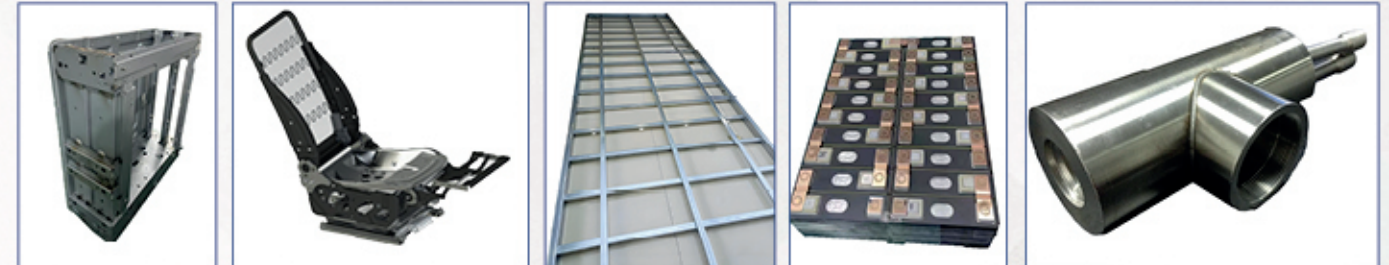
AIR COOLED HANDHELD LASER SPOT WELDING MACHINE

Technical parameters

Device Model	DPX-P600	DPX-P800	DPX-P1200	DPX-P1500
Welding thickness	0.2mm-1.0mm	0.2mm-1.2mm	0.2mm-1.5mm	0.2mm-2.0mm
Welding gun cable length	2-3m	10m		
Product size (L * W * H)	374.5*191*330mm	543*325*580mm		
Total weight	11.5KG	32kg	32kg	36kg
power supply demand	220V, ≤ 1.2KW	220V, ≤ 2.5KW	220V, ≤ 3.7KW	220V, ≤ 4.6KW



APPLICATION



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LASER CUTTING MACHINE

SHENZHEN HORIZON LASER TECHNOLOGY CO., LTD

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PRODUCT DISPLAY

SINGLE PLATFORM LASER CUTTING MACHINE

Technical parameters

Device Model	DPX-D3015	DPX-D4020	DPX-D6020	DPX-D8025	DPX-D12025
working area	3000×1500mm	4000×2000mm	6000×2000mm	8000×2500mm	12000×2500mm
laser power	3KW/6KW/12KW (optional)			3KW/6KW/12KW/20KW/30KW (optional)	
Maximum Idle speed	120m/min (Linkage)				
positioning accuracy	±0.05mm				
Repetitive positioning accuracy	±0.03mm				

EXCHANGE PLATFORM LASER CUTTING MACHINE

Technical parameters

Device Model	DPX-J3015	DPX-J4020	DPX-J6020	DPX-J8025	DPX-J12025
working area	3000×1500mm	4000×2000mm	6000×2000mm	8000×2500mm	12000×2500mm
laser power	3KW/6KW/12KW (optional)			6KW/12KW/20KW/30KW (optional)	
Maximum Idle speed	140m/min (Linkage)				
positioning accuracy	±0.03mm				
Repetitive positioning accuracy	±0.02mm				

PIPE LASER CUTTING MACHINE

Technical parameters

Device Model	DPX-G6016	DPX-G6022	DPX-G6035
Cut pipe length	6000mm	6000mm	6000mm
Cut pipe diameter	10-160mm	10-220mm	10-350mm
laser power	3KW/6KW/12KW (optional)		3KW/6KW/12KW (optional)
Maximum speed of chuck	140r/min	120r/min	80r/min

PLATE TUBE INTEGRATED LASER CUTTING MACHINE

Technical parameters

Device Model	DPX-ST3015	DPX-ST4020	DPX-ST6020
Cutting range	3000×1500mm	4000×2000mm	6000×2000mm
Cut pipe diameter	10-160mm/10-220mm (optional)		
laser power	3KW/6KW/12KW (optional)		
positioning accuracy	±0.05mm		
Repetitive positioning accuracy	±0.03mm		

LASER PRECISION CUTTING MACHINE

Technical parameters

Device Model	DPX-X2030	DPX-X6060	DPX-X6090
Cutting range	200×300mm	600×600mm	600×900mm
laser	Continuous laser (500-2000W), QCW laser		
Drive Type	Servo motor/linear motor		
Cutting accuracy	±0.03mm		
positioning accuracy	±0.01mm		
Repetitive positioning accuracy	±0.008mm		
Application field	Gold and silver jewelry, glasses, hardware, watches PCD, Brittle materials, aluminum substrates, copper substrates		
Recommended cutting thickness	0.1-5mm		

APPLICATION



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LASER CLEANING MACHINE

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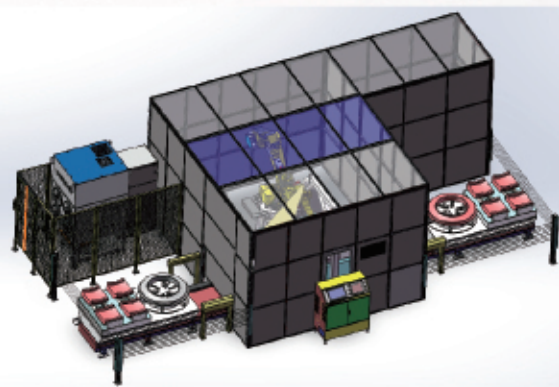
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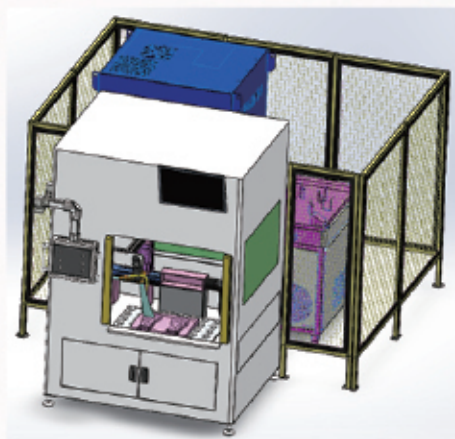
PRODUCT DISPLAY



TIRE MOLD LASER CLEANING WORKSTATION

Technical parameters

Pulse laser power	500W/1000W/2000W (optional)
Cleaning trajectory guidance	3D vision, field of view range 460-2700mm
tire mold	Pattern block, suitable size: 200-450mm Side panel, compatible diameter: 500-1300mm
Power supply demand	Voltage 380V, power consumption < 30KW
Device dimensions	L*W*H: 10.7*5.5*3.5m
safety protection	Light curtain, humanoid detection and monitoring, fence, foolproof and safety logic system
Optional configuration	Incoming and outgoing materials: mobile platforms or turntables, dust collection systems, cleaning rooms, etc



SHOE MOLD LASER CLEANING MACHINE

Technical parameters

Pulse laser power	200W/300W/500W (optional)
Cleaning trajectory programming	Arches, circles, rectangles, etc. (can be customized by PLC)
cleaning scope	1200mm * 900mm (customizable)
Power supply demand	Voltage 380V, power consumption < 10KW
Device dimensions	L*W*H: 1.7*1.35*2.4m
safety protection	Light curtain, humanoid detection and monitoring, foolproof and safety logic system
Optional configuration	Vacuum cleaning system, protective fence



AIR-COOLED PULSE LASER CLEANING MACHINE

Technical parameters

Pulse laser power	100/200/300W/500 (optional)
Maximum single pulse energy	1.5mJ@100W、2.5@200W、2.5&15mJ@300W、1.5&5&15&50mJ@500W
fiber optic cable	5m@100-300W、10m@500W
Adjustable width for cleaning	150mm@F300、100mm@F254
power supply voltage	220V
Maximum Power Consumption	0.55KW@100W、0.95KW@200W、1.35KW@300W、2.15KW@500W
Cleaning head weight	1.3KG
Overall size and weight	Dimensions L * W * H: 543 * 325 * 580mm, Weight: 30-40KG

WATER-COOLED PULSE LASER CLEANING MACHINE

Technical parameters

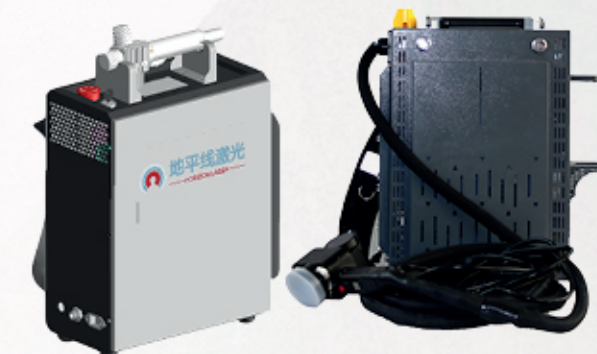
Average laser power	500W/1000W (optional)
Maximum single pulse energy	1.5J&5.15J&50J&100mJ
fiber optic cable	10m (customizable)
Adjustable width for cleaning	150mm@F300 The 100mm@F254
power supply voltage	220V
Maximum Power Consumption	4.15KW@500W The 6.2KW@1000W
Cleaning head weight	1.3KG
Overall size and weight	Dimensions L * W * H: 980 * 550 * 720mm, Weight: 107-112KG



BACKPACK PULSE LASER CLEANING MACHINE

Technical parameters

Pulsed Laser Power	100W	200W	300W
Max. Single Pulse Energy	1.5mJ	2&5mJ	2&5&15mJ
Fiber Cable Length	3-5m		
Adjustable Cleaning Width	150mm @ F300, 100mm @ F254		
Cleaning Head Weight	1.3kg		
Dimensions	L*W*H: 330*185*420mm		
Machine Weight	15-17kg		
Power Supply Voltage	220V (customizable to 110V)		
Rated Power Consumption	0.55KW	0.95KW	1.35KW



CONTINUOUS LASER CLEANING MACHINE

Technical parameters

Continuous laser power	800W/1200W/1500W/2000W/3000W/6000W(optional)
Cleaning width	300 millimeters
Cable length	10m@1500-2000W The 20m@3000W
Cleaning head weight	0.7 kg
power supply voltage	220V@1500-2000W The 380V@3000W
Maximum Power Consumption	6.7KW@1500W The 8.4KW@2000W The 13KW@3000W
Overall dimensions (L * W * H)	980*550* 720mm@1500-2000W 980 * 650* 920mm@3000W
Total weight	98-170 kg



APPLICATION



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LASER MARKING MACHINE

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PRODUCT DISPLAY

FIBER LASER MARKING MACHINE

Technical parameters

laser power	20/30/50/100/200W (optional)
Marking speed	<7000 mm/s
Marking range	110 x 110 mm @F163 150 x 150 mm @F210 175 x 175 mm @F254 200 x 200 mm @F330
Marking accuracy	Minimum character size 0.2 mm, minimum line width 0.03 mm
cooling method	air cooling
Power supply requirements	Voltage: 220V, rated power consumption: 400-1000W

UV LASER MARKING MACHINE

Technical parameters

laser power	3/5/10W (optional)
Marking speed	<7000 mm/s
Marking range	110 x 110 mm @F163 150 x 150 mm @F210 175 x 175 mm @F254 200 x 200 mm @F330
Marking accuracy	Minimum character size 0.2 mm, minimum line width 0.03 mm
cooling method	water cooling
Power supply requirements	Voltage: 220V, rated power consumption: 1.2-1.5KW

HANDHELD LASER MARKING MACHINE

Technical parameters

laser power	20/30/50W (optional)
Marking speed	<7000 mm/s
Marking range	110 x 110 mm (customizable)
Marking accuracy	Minimum character size 0.2 mm, minimum line width 0.03 mm
Lithium battery standby time	about 12 hours
Power supply requirements	Voltage: 220V, rated power consumption: 200-300W
Equipment size and weight	L*W*H:300*190*260mm, Weight 7-10.5KG

VISUAL LASER MARKING MACHINE

Technical parameters

Laser type	Fiber optic: 20/30/50/100W, UV: 3/5/10W
Marking range	200mm (110/150/175mm optional)
conveyor belt	L * W: 1230 * 260mm (customizable)
visual system	System customization, recognition range of 200mm, Hikvision camera
Power supply requirements	Voltage: 220V, rated power consumption: 600-1700W
Equipment size and weight	L*W*H:600*800*140mm, Weight < 85KG



FLYING LASER MARKING MACHINE

Technical parameters

Laser type	Fiber optic: 20/30/50/100W, UV: 3/5/10W, CO2: 30/60W
flight speed	The fastest marking speed is 200 meters per minute (for characters with a single line height of 2mm)
system	Flight coding system: supports automatic coding, serial number, batch number, date, barcode QR code, automatic number skipping, etc
Power supply requirements	Voltage: 220V, rated power consumption: 600-1700W
Equipment size and weight	L*W*H:660*510*1460 mm, Weight < 89KG
Optional configuration	Conveyor belt, encoder, sensor



APPLICATION



600W/300W

QCW Portable Spot Welding Machine

● Precision for Thin Sheets

Welds 0.1mm ultra-thin material without burn-through; creates clean, aesthetic welds.

● Continuous Operation

Supports long-duration, non-stop welding for multiplied efficiency.

● Versatile Application

Handles various metals from ultra-thin components up to 1.5mm sheets.

● Portable & Flexible

Lightweight design for easy movement and use in various scenarios.

● Energy Efficient

Low power consumption, no consumables, reducing overall operating costs.

600W/300W



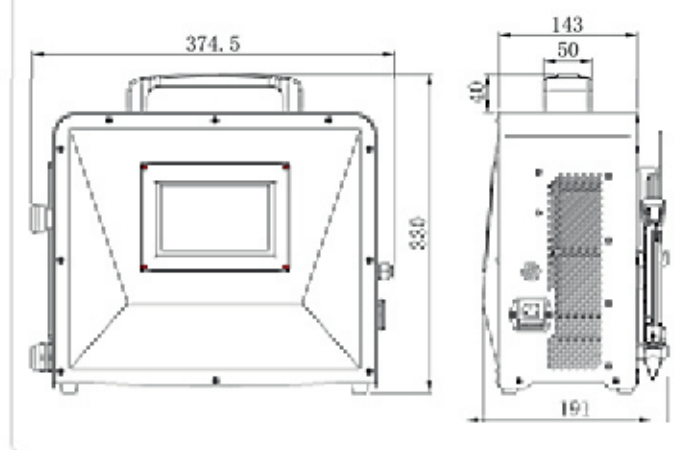
■ Technical Parameters

Ideal for sheet metal welding, sign letter welding, laser welding of lighting products, and DIY projects.



300W Average Power	600W Peak Power	1080nm ±5 Laser Wavelength
2~3 m Cable length	0.1-1.5 mm Welding thickness	24 h Working time
100µm Core Diameter	6J/10ms Max. Pulse Energy	1-300Hz Pulse Frequency
-20~55°C Environment temperature	374.5*191*330 Dimensions(mm)	11.5 kg Net weight

■ Dimensions



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