

Building A Solid
FOUNDATION
With Our Welds



PRODUCT CATALOGUE 2024



COMPANY PROFILE

DH Welding, Automation & CNC Cutting Machine an ISO 9001: 2015 certified company is in the field of Design & Manufacturing of IGBT inverter based MMAW, GMAW, GTAW, SAW, AIR PLASMA CUTTING and STUD welding, Automation & CNC Cutting machine.

We provide full & specific solutions for our customers. We are involved in supporting the prevailing technology to produce forward a product range that works beyond the conventional safety features and extensively demanded the enhanced operator performance. Owing to the extremely efficient performance, our product offerings find its application in various industrial sectors comprising automobile, manufacturing, packaging, paper and chemical industries.

We have delivered greater levels of productivity by implementing high-speed production technology at our infrastructure. We understand that in order to survive in this age of cut-throat competition, it is very important to upgrade ourselves in terms of technology. Our company bases comprise a wide area and constantly updated to synchronize our rendering operations with the evolving market trends. Moreover, our in-house production based is supervised by trained professionals, who are backed by latest machinery and technology to manage the operational activities of R&D, quality testing, and distribution.

DH Welding has a sales and service network, present across the country with 5-6 branch offices, more than 10-20 partners service engineers, covering the remotest of areas besides being present in small cities and metros.

We also have the support of distributors in reflecting our effort to build sales structures for our products in every region of the world. Today, the pace of technological change continues to accelerate, and our Welding & Cutting Systems must accommodate that pace. In overseas markets as in their domestic counterparts, assessing market needs in real time and providing feedback to the new product development process are essential in order to globalize our products.

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ARC SERIES

FEATURES:

IGBT Inverter Technology & SMT in PCB design Suitable for steel, stainless, low alloy steel etc smooth and stable arc with minimum spatter Digital Meter for accurate parameter Heavy Duty, Light Weight, Low Spatter & Easy Arc Ignition High power factor and High efficiency.











Three-Phase

Frequency

DC

CE

Model	Arc 2	250s	Arc 2	250 B	Arc	315	Arc 40	00 1/2	Arc 4	100 T
Rated Input Voltage (V)	1P 230 v	2P 415v	1P 230 v	2P 415v	1P 230 v	2P 415 v	1P 230 v	2P 415 v	1P 230 v	2P 415 v
Frequency (Hz)						50	-60			
Input Capacity (KVA)	6.2	7.8	6.5	8.8	7.7	10.8	8.8	12.9	8.8	14.4
Output Power (KW)	4.2	4.6	4.2	4.6	4.9	5.6	5.6	6.7	5.6	7.5
No-Load Voltage (V)	90	85	90	85	90	75	90	75	90	75
Current Range	30-	250	30-	250	30-	315	30-	400 1/2	30-	400
Max Output Current (A)	145	155	160	170	180	200	200	230	200	250
Rated Working Voltage (V)	26.4	26.8	26.4	26.8	27.2	28	28	29.2	28	30
Electrode Diameter (MM)	1.6-	3.15	3.	15	1.6	-5.0	1.6	-5.0	1.6	-5.0
Duty Cycle (%)						6	0			
Efficiency (%)						8	0			
Net Weight (KG)	3.	9	5	.8	9	.1	1	0	10	8.0
Machine Dimension (MM)			325X17	75X315		410x2	05x370		405x2	15x390

Model	Arc 400 S/D	Arc 400 D/D	Arc 500 A	Arc 500 HDC	Arc 630 A
Rated Input Voltage (V)	3P 415V± 15%				
Rated Input Current (A)	32.6	32.6	42.2	58.5	58.5
Input Capacity (KVA)	21.5	21.5	27.8	38.5	38.5
Inverter Frequency (KVA)	20	20	20	20	20
No-Load Voltage (V)	70	70	72V	82V	82V
Duty Cycle (%)	60	60	60	60	60
Current Range (A)	40.400	40.400	40-500	40-630	40-630
Electrode Diameter (MM)	3.15/mm	4mm	4mm/5mm	6.0 mm	6mm/8mm
Efficiency (%)	80	80	80	80	80
Insulation Class	F	F	F	F	F
Dimension (mm)	550*285*5 30	550*285*5 30	550*285*5 30	515*265*4 75	515*265*475
Net Weight (KG)	19.5	22.5	26	34	37

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving





TIG/MMA SERIES

FEATURE

- * Pre gas/Hot arc/Arc Start/Slope up/ Welding curent Pulse frequency/Spot Welding time/ AC Balance AC amplitude/AC frequency /Slope down/ End arc Gas delay/Adjustable
- * Save/Load
- * TIG ACDC/MMA
- * 2T/4T/S.4T/Spot Selection











Three-Phase

MODEL		TIG-200	TIG-315	TIG-315P	TIG-400P	TIG-500P
Rated Input Voltage (VAC)		1P 220V	3P-415±15%			3P-415±15%
Input Frequency (Hz)				50/60		
Max Input Power (A)		20.3	13.2	15	22	31-7
Rated Input Power (KVA)		7.8	8.5	9.9	13.9	20
No-Load Voltage (V)		58	55	68	70	78
Real Output Current (A)	TIG	170	290	315	400	500
near output ourrent (A)	MMA	170	260	315	400	500
Adjustable Current Range (A)	TIG	15-170	20-315	10-315	10-400	10-500
Adjustable current hange (A)	MMA	15-17	20-315	10-315	10-400	10-500
Duty Cycle (%)					60	
Gas pre-flow time (S)					0.01-5	
Gas Post flow time (S)					0.01-60	
Arc initiation current (A)					20-40	
Ramp up time (S)					0.01	I-10
Pulse Frequency (%)					1-90	
Basic Value time (S)					0.01-10	
Ramp down time (S)					0.01-10	
Crater filler current (A)					20-100	
Machine Weight (KG)		7.8	15.8	27.4KG	28.5KG	38.5KG
Machine Dimension (MM)		340*190*330	485*245*420	515*275*470	560*305*530	650*335*575

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving





MIG WELDING SERIES

MIG (HEAVY INDUSTRY)

- * MIG/MMA
- ★ Capable of loading up to 15kg Separated Spool
- ★ Closed type 4 rolls wire feeder is available
- * Heavy industrial
- * Water cooler, trolley optional

MIG (BUILT IN)

- * MIG/MAG
- * Lift-arc TIG
- * Gas/Gasless FCAW
- ★ Built-in hot start
- * Inching
- * Slow-feeding
- ★ Current and voltage meters
- * Burn-back function
- * Capable of loading up 15 KG spool built in
- * IGBT inverter technology
- * Strict three-proff deisgn: PCB glue filling airway isolatio and airway sealing



Product Type	MIG 250Y	MIG 300T	MIG 400	MIG 500	MIG 630
Rated Input Voltage	1P-220V	3P415V±15%	3P415V±15%	3P415V±15%	3P415V±15%
Frequency (kHz)	30	28	50/60	50/60	50/60
Input Current (A)	41	14	23.3A	41.2A	60.5
Rated Input Capacity (KVA)	10.1	10.4	15.3	27.1	40
No-Load Voltage (V)	58	64	68	72	78
Duty Cycle (%)	60	60	60	60	60
Adjustment Current Range (A)	30-250	30-300	40-400	40-500	40-630
Adjustment Current Range (V)	12-28	12-30	14-40	14-50	14-50
Wire Feeder	Build in		Separat	ted Type	
Wire Diameter (MM)	0.8-1.0	0.8-1.0	0.8/1.0/1.2	1.0/1.2/1.6	1.0/1.2/1.6
Spool Size (Kg)	5/15	5/15			15
Real Current (A)	250	250	350	500	630
Protection Classification			IP21S	IP21S	IP21S
Net Weight (KG)	19	19	24	39.15	45
Machine Dimensions (MM)			560*305*530	620*390*330	650*310*600

Three-Phase

Frequency

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving

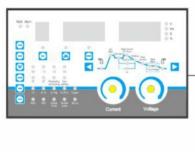


SEYNERGIC MIG SERIES

WELDING MACHINE SEYNERGIC MIG

MIG (DOUBLE PULSE)

- * MIG (Double Pulse)
- * MMA
- * DC MIG/MAG
- * Pulse MIG/MAG
- * Dual Pulse MIG MAG
- ★ IGBT Inverter Technology
- ★ Closed-loop control strong arc self adjustment ability
- ★ Strict 3-proofings design: PCB glue sealing treatment isolated air passage, sealed air passage
- ★ Excellent welding performance for aluminum















MODEL	MIG-350 DP	MIG-500 DP
Rated Input Voltage (V)	3P-415±15%	3P-415±15%
Frequency (Hz)	50	/60
Input Current (A)	24	42
Rated Input Capacity (KVA)	16	28
No-Load Voltage (V)	68	68
Duty Cycle(%)	0.6	0.6
Adjustment Current Range (A)	40-350	40-500
Adjustment Voltage Range (V)	14-40	14-50
Wire Diameter (MM)	0.8-1.2	1.0-1.6
Spool Size	15	
Efficiency (%)	0.8	0.8
Insulation Classes	F	F
Real Current (A)	350	500
Machine Dimensions (MM)	1150*635*1575	1150*635*1575
Net Weight (KG)	103	103

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving



PLASMA SERIES

PLASMA CUTTING MACHINE

CUT

- * NVERTER IGBT
- * HF is available for easy arc ignition
- * Pilot arc start increases cutting efficiency.
- * Widely used in cutting stainless steel, copper, cast iron and aluminium etc.
- * Convenient and simple operation panel, 2T/4T function
- * Equipped with over-heat/over-current as well as insufficient compressor air pressure protection
- * Built in pre-post flow function to protect torch electrode and nozzle













MODEL	CUT-40	CUT-80	CUT-100	CUT-120	
Rated Input Voltage (VAC)	230 V 3P-415±15%				
Frequency		50,	/60		
Related Input Power (KVA)	9.8	12.4	16.7	21.3	
Max Input Current (A)	44.3	18.9	25.3	32.4	
Duty Cycle (%)					
No-Load Voltage (V)	278	301	308	309	
Adjustable Current Range (A)	30-60	30-80	30-100	30-120	
Arc Ignition Mode		HF, NO	touch		
Gas Pressure Range (MPA)		0.3-	-0.5		
Quality Manual Cutting Thickness (MM)	7/Stainless steel 15/carbon steel	10/Stainless steel 20/carbon steel	15/Stainless steel 25/carbon steel	15/Stainless steel 30/carbon steel	
Quality CNC Cutting Thickness (MM)	/	/	/	5/Stainless steel 10/carbon steel	
Max Manual Cutting Thickness(mm)	22	30	35	40	
Efficiency	80	80	85	90	
Net Weight (KG)	12	21	26	32	
Machine Dimension (MM)	470*230*460	505*345*445	535*265*490	570*285/520	

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving



PLASMA CUT (AIR BUILT IN)

PLASMA CUT SERIES IN BUILT

SPECIFICATIONS

- * Convenient and simple operation panel 2T/4T function
- * Equipped with over-heat/over-current as well as insufficient compressor air pressure protection
- * Built- in pre/post- flow functions to protect torch electrode and nozzle.













	MODEL	Cut -120	Cut -160
	Rated Input Voltage (V)	3P-41	5±15%
	Rated Input power (KVA)	13.5	23.8
P	Real Output Current (A)	85	130
Plasma	Rated Output Voltage (V)	114	132
na	Duty Cycle	60	60
	No Load Voltage (V)	330	340
	Adjustable Current Range (A)	25-100	25-160
_	Rated Input Power(KVA)	8.8	16.5
MMA	Adjustable Current Range (A)	30-220	30-350
D	No-Load Voltage (V)	66	66
	Quality Mannual Cutting Thickness MM	25/carbon steel	35/carbon steel
	Max Manual Cutting Thickness MM	30/ carbon steel	40/carbo steel
	Plasma Gas Pressure Range	0.3-0.6 Mpa	0.3-0.6 Mpa
	Cooling Mode	А	ir
	Arc Ignition Class	HF, ur	ntouch
	Protection Class	IP2	21S
	Insulation Class		F
	Machine Dimension (MM)	600*360*550	640*385*630
	Net Weight (KG)	39	54.8

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving

SAW SERIES



MZ (ARC SUBEMERGE)

Adjustable arc force, arc start

Designed with fully digital control, friendly for user with MMA function, can weld all types of electrode Multifuctional, Can use MMA/ GOUGING

Heavy Industry of steel structure, boiler, shipbuilding, power construction, bridge













MODEL	MZ-1000	MZ-1250			
Rated Input Voltage (V)	3P-415±15%				
Input Frequency (Hz)	50/60				
Max Input Power (A)	103	128			
Rated Input Power (KVA)	67.5	84.4			
Adjustable Current Range (A)	100.1000	100-1200			
No-Load Voltage (V)	85	90			
Rated Input Capacity (KVA)	51.5	64.5			
Duty Cycle (%)	8	0			
Wire Diameter	3.0/4.0/5.0/6.0	3.0/4.0/5.0/6.0			
Net Weight (KG)	105 (Power Source) 69 Tractor)	120 (Power Source) 69 Tractor)			
Machine Dimension (MM)	700x450x1852(Power Source) 1135x495x810 (Tractor)	700x450x1852(Power Source) 1135x495x810 (Tractor)			

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving



STUD SERIES

WELDING MACHINE CD STUD

Application:

Heat Exchangers Sheet Metal Fabrication Medical/Electrical Equipments Electrical Appliances

Processes:

Capacitor Discharge Stud Welding



FEATURES:

- * Current limiting charging technology reducing the impact on input power network
- * Stable charging voltage with good uniformity of storage energy
- * Low power, Less Weld Time, Less Distortion-Suitable for welding on thin plates
- * Weld Studs of Carbon Steel, Stainless Steel, Aluminium Alloy, Copper, Zinc-Diameter M3 to M8
- * Welding Speed of 40 pcs. per minutes (Base on Dia of Stud)











Technical Data:

Input Voltage	Input Power	Output Voltage	Capacitance	Welding Time	Weight
230 VAC ± 15%	500 W	35-200 VDC	108000 F	0.001-0.0035 sec	18 Kg.

Standard Package:

* Power Source Gun w/3m Cable - Earth Cable 3m

FEATURES



STUD SERIES

WELDING MACHINE STUD 2500

SPECIFICATIONS

STUD (HEAVY INDUSTRY)

- * High stability, light weight, small size, with casters for easy movement
- * Wide current adjustable range, stable arc, sufficient power
- Clear and intuitive digital display of welding current and welding time
- * Complete protection circuit
- Three proof design for key parts, stable and reliable operation













MODEL	STUD 1600	STUD 2500	STUD-3150
Input Power Source	3P-415±15%	3P-415±15%	3P-415±15%
Rated Input Capacity	97 KVA	121 KVA	153 KVA
Rated Input Current	147A	185A	214A
No Load Volatge	90V	108 V	108 V
Maximum length of ground cable	30M	30M	30M
Duty Cycle	15%	15%	15%
Current adjustment range	300-1600A	300-2000A	300-3150A
Weldable stud diameter	6-19MM	10-25MM	16-32MM
Welding time	0.3-3	0.3-3	0.3-3
Efficiency	≤400	≤400	≤400
Insulation Class	90%	90%	90%
Dimensions	IP21S	IP21S	IP21S
Weight	690X390X760 mm	680X355X960 mm	750X445X1040 mn

75KG

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving

Strong Current Output, Superior Arc Performance Quality Weld with Precise Control

105KG

105KG



SPOT WELDING SERIES

SPOT WELDING SERIES













KVA Rating	8 KVA	10 KVA	12 KVA	15 KVA	20 KVA
Input Supply (V)	220/415	220/415	220/415	220/415	380/440
Winding	100 Copper	100 Copper	100 Copper	100 Copper	100 Copper
Phase	Single/two	Single/two	Single/two	Single/two	Single/two
Controlling System	Optional	Optional	Optional	Optional	Optional
Brass Rod (Inch)	18 Inch	18 Inch	18 Inch	18 Inch	18 Inch
Brass Rod (mm)	450	450	450	450	450
Brass Rod size (mm)	25mm	38mm	38mm	38mm	50mm
Weld Material	M.s, S.s C.r.c, Etc.	M.s, S.s, G.i, G.I, C.r.c, Brass Etc.,	M.s, S.s, G.i, G.I C.r.c, Brass Etc.,	M.s, S.s, G.i, G.l C.r.c, Brass Etc.,	M.s, S.s, G.i, G.l C.r.c, Brass Etc.,
Copper anode	16mm * 10inch	16mm * 10inch	16mm * 10inch	19mm * 10inch	19mm/25mm
Suitable For Welding Rod	4mm + 4mm	5mm + 5mm	6mm + 6mm	8mm + 8mm	12mm + 12mm
Suitable For Welding Sheet	0.7 + 0.7	1.2 + 1.2	1.6 + 1.6	2+2	3+3
Suitable For Welding Sheet	22 gauge	18 gauge	16 gauge	14 gauge	10 gauge
Automation Grade	Manual	Manual	Manual	Manual	Manual
Max. Electrode Stroke(mm)	40	50	50	50	75
Cooling for Arms & Electrods	Air	Air	Air	Air	Air
Weight With arm(Approx)	100	120	130	140	185

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving



WELDING POSTINERS

WELDING. POSTINERS

Technical Parameters:

Max loading capacity: 100 Kg

★ Worktable revolving speed: 0.35-3.5 rpm

Worktable overturning speed: 2 rpm

★ Worktable overturning angle: 0-90°

* Worktable diameter: 400 mm

* Max eccentric distance: 100mm

Max gravity distance: 150 mm

Revolving speed adjust : VFD

Max revolving diameter at vertical 90°: 600mm

* Controller: Remote manual box

Revolving motor power: P=0.18KW

Overturning motor power: P=0.18K W

* Input power: 3P 380V 50Hz

* Paainting: RAL5020 Ocean Blue



* Main machine

* Welding current conductive device 1

* Electric cabinet and remote control box



Standard Technical Parameter of Welding Positioner

Model	DHWP -10	DHWP -30	DHWP -50	DHWP -100	DHWP -200	DHWP -300
Capacity	10kg	30kg	50kg	100kg	200kg	300kg
Table Dia	180 mm	310 mm	320 mm	360 mm	400 mm	500mm
Speed	18 R/M	1-15/7R/M	1-15/7R/M	0.5-5R/M	0.5-5R/M	0.2-25R/M
Motor Power	80A	40 W	120 W	120 W	125 W	200 W
Table Hole		25 mm		65mm	140mm/170mm	170 mm



AUTOMATION SERIES

WELDING AUTOMATION

WHAT IS WELDING AUTOMATION?

Welding automation involves using technology to join materials together faster, safer, and more efficiently than using human labor alone. Welding automation comes in many forms. Because there are many types of welding, there are many ways JR Automation can integrate robotics or other automation technology into welding processes.

HOW WELDING AUTOMATION BENEFITS YOUR BUSINESS

Welding automation strategically integrates technology into your welding processes. Welding automation benefits include reduced cycle time, improved weld consistency, improved worker safety, custom tooling, increased uptime, reduced labor costs, and conservation of materials.











CE



technical chart as per requirement





LASER WELDING SERIES

SPECIFICATIONS

	r		
Laser Source	MAX 1500W/2000W/3000W		
Laser Head	Au3tech Hw970		
Control system	Au3tech 3 in 1		
Auto feeder	With Auto feeder system		
Cooling system	S&A water chiller		
Control interface	Touch LCD control interface		
Protective glass	With CE Protective glass		
Standard fiber cable	10m fiber cable length		
Valtage	220v/1ph/50Hz		
Voltage	380V/3ph/50Hz		
Optional Power	1500w/2000w/3000w		













TECHNICAL SHEET

Model DH-1.5Kw/2Kw/3Kw		Modulation Frequency	≤ 20kHz	
Laser Type	aser Type Fiber Laser		150uW	
Laser Power	1500W/2000W/3000W	Cooling Method	Water Cooling	
Working Life of	More than 100000 hours	Applicable Power	≤ 1500W/2000W/3000W	
Laser Source		Maximum of		
Polarization	Random	Support Pressure	10 Bar	
Laser Type	CW	Supply Voltage	220V/1PH/50HZ	
Power Tunability	10~100%	Supply Voltage	380V/3PH/50HZ	
Wavelength	1080±10nm	Gross Power	4KW/6.5KW	
Power Stability ±1%		Package Size	1130*685*1440mm	
Laser Beam Quality, BPP ≤ 1.5mm × mrad (50um		Packing Weight	260KG	

FEATURES



CNC PLASMA CUT SERIES

WELDING MACHINE CUT 105

FEATURE

CUT (NO HF)

- * NO HF/HF both welcome
- * Pilot arc
- * Mash cutting/Marketing
- * On demand Fan
- Oervoltage and undervoltage protection
 Overvoltage and overhead protection
- * Euro central connection welcome
- * CNC connection welcome













MODEL	Cutmaster-45	Cutmaster-105	Cutmaster 120HD	Cutmaster 200HD	Cutmaster 300HD
Rated Input Voltage (V)	1P140-270V		3P-41	5±15%	
Rated Input Power (KVA)	4.9	14-5	21.2	46.5	70.4
Max Input Current (A)	34	28	32.5	70.9	107
Duty Cycle (%)	60	100	120	200	300
No-Load Voltage (V)	330	420	128	160	200
Adjustable Current Range (A)	10-45	20-105	30-120	40-200	60-300
Arc Ignition Mode	NO HF, untouch	NO HF, untouch	NO HF, untouch	NO HF, untouch	NO HF, untouch
Gas Pressure Range (MPA)	0.3-0.6	0.3-0.6			
Quality Manual Cutting Thickness (MM)	12	45	45	65	80
Max Manual Cutting Thickness (MM)	20	60			
Net Weight (KG)	7.3	30.5	46	86	129
Machine Dimension (MM)	407*160*280	670*325*605	675*320*605	863*385*800	985*445*910

FEATURES

New Design, Smart Appearance Compact Size, Lightweight & Power Saving



CNC CUTTING SERIES



BENCH TYPE PLASMA CUTTING MACHINE

Model	DH 1503	DH 1506
Track Width	1500	1500
Track Length	3000	6000

Cutting Head One Flame and One Plasma





PORTABLE FLAME/ PLASMA CUTTING MACHINE

Model	DH 1503	Dh1506
Track Width	1500	1500
Track Length	3000	6000

Cutting Head One Flame and One Plasma

NOTES





DH ENTERPRISES

Manufacturers of : Welding Machine, CNC Cutting Machine And Welding Automation

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