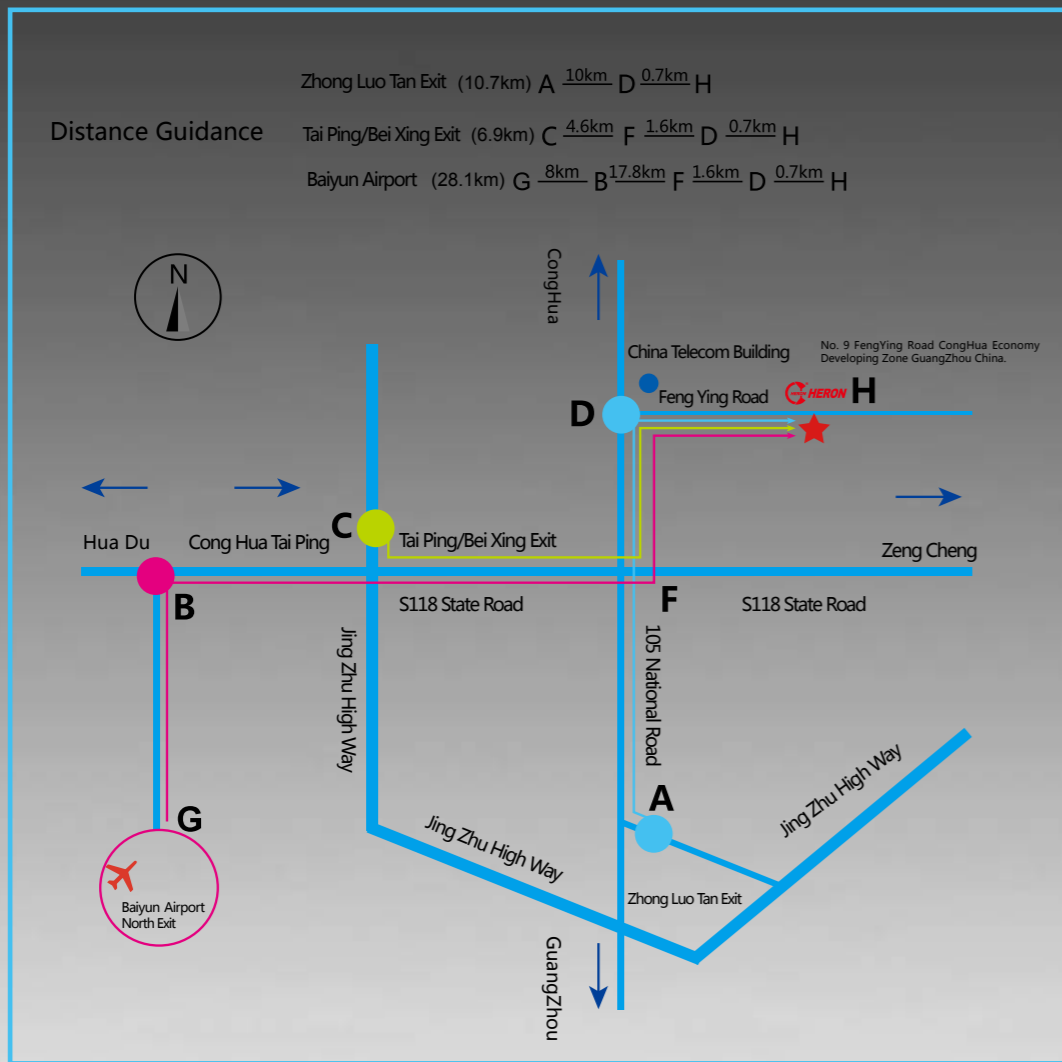


24 hours service hotline: **400-088-3325**

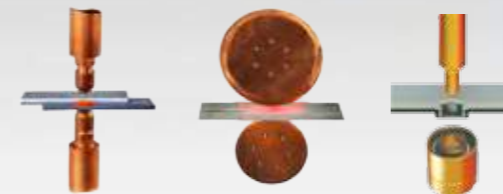


Add : No. 9 FengYing Road CongHua Economy Developing Zone GuangZhou China.  
 P.C : 510990  
 TEL : 020-87813325 87819588 87815075  
 FAX : 020-87813346  
[www.heronwelder.com](http://www.heronwelder.com)

T.J.Snow Company, Inc.  
 Add:120 Nowlin Ln Chattanooga, TN, 37421,USA  
 Tel:001-423-894-4234  
[www.tjsnow.com](http://www.tjsnow.com)



Heron Public Wechat Number



Whole Series Metal Connect Equipment



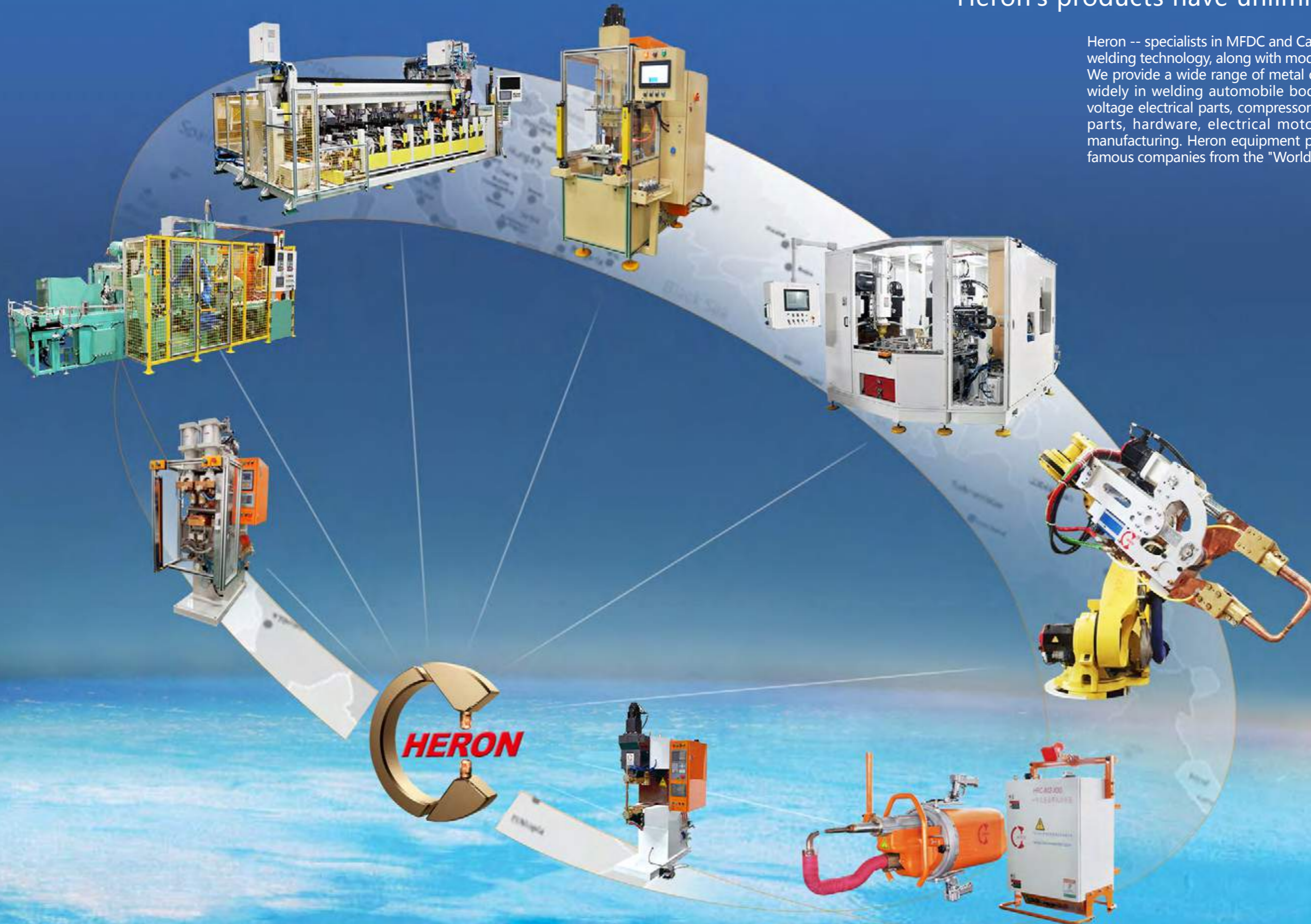
Heron Intelligent Equipment Co.,Ltd




T. J. SNOW CO. North America Distributor

## Heron's products have unlimited possibility

Heron -- specialists in MFDC and Capacitor Discharge resistance welding technology, along with modern automation technology. We provide a wide range of metal connecting equipment used widely in welding automobile bodies, automotive parts, low voltage electrical parts, compressor parts, household appliance parts, hardware, electrical motor parts, and other metal manufacturing. Heron equipment proudly serves twenty-seven famous companies from the "World 500" list.



 **T. J. SNOW CO.**

 **HERON**

[www.heronwelder.com](http://www.heronwelder.com)

## The Company

Founded: 1997

Company Scale: Registered capital: 48.5765 million RMB , about 300 employees and around 30,000 m<sup>2</sup> property.

Business Scope: Professional manufactures of a complete line of resistance welding machines and metal connection intelligent equipment.

Enterprise Features: Continuous innovation.

Management Philosophy: People-oriented Green manufacturing.

Certification: ISO9001, CCC, CE certification, 15 Invention patents, 34 Utility model patents, 5 Appearance patents.

Application Industries: Automobile and Auto Parts Manufacturing Industry, Motor and Generator Industry, Low-Voltage Electrical Industry, Compressor Manufacturing Industry, Home Appliance and Hardware Industry, BTM Tog-L-Loc system.

## Company history

### 2017

- Move into new expanded plant.
- Release new generation of MFDC welding controls.

### 2012 -Present

- Re-position, accelerate innovation and exporting
- Rebuilt the organization and operation process
- Focus on bringing intelligent and benefit to all manufacturers.

### 2009-2012

- Innovation, energy saving and environmental protection
- Plant expand, with full ambition in the future

### 2004-2008

- Keep researching new technology and achievement
- Expand international cooperation and sale network

### 1998-2003

- Finish the first building, develop the inverter and capacitor discharge welding technology
- Continue solid the foundation, getting ready for the opportunity.

### 1997

- Registered the trade mark



Heron's brand reputation is recognized worldwide, as Heron's equipment is in production in Europe, North and South America, the Middle East and South East Asia.



## Standard Products

Heron provides a whole series standard resistance welding equipment

## MFDC Spot/Press Welder

### Specification

Model #		DB-55-***0**	DB-110-***0**	DB-165-***0**	DB-220-***0**	DB-250-***0**
Rated Capacity	KVA	55	110	165	220	250
Power Supply	V/Φ/Hz	380V/3Φ/50Hz 480V/3Φ/60Hz				
Max Primary Current	A	37	75	112	149	169
Primary Cable	MM <sup>2</sup>	5*16	5*16	5*16	5*16	5*16
Max. Short Cut Current	KA	18	24	30	40	45
Rated Duty Cycle	%	20	20	20	20	20
Secondary Empty Voltage	V	8.9	10.4	13	10.4	12.5
Welding Cylinder Size	Φ*L mm Φ*L In	Φ80*60/Φ32*50 Φ3.15*2.36/ Φ1.26*1.97	Φ100*60 Φ3.94*2.36	Φ160*100 Φ6.3*3.94	Φ160*100 Φ6.3*3.94	Φ200*100 Φ7.88*3.94
Max Working Pressure @ 0.5MPa	N lbf	2510 564	3920 881	10000 2248	10000 2248	15000 3372
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	6 1.32	8 1.76	12 2.64	12 2.64	15 3.3
Compressed Air Consumption	L/time gal/time	1.43 0.32	2.28 0.5	5.84 1.28	5.84 1.28	9.24 2.03
Throat Depth	MM In	371 14.6	424 16.7	444 17.48	444 17.48	444 17.48
Arm Gap	MM In	329 12.95	410 16.14	425 16.73	425 16.73	425 16.73
Electrode Size	MM In	Φ25 Φ0.98	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18
Dimension	H(MM) H(In)	1541 60.67	1758 69.21	1800 70.87	1800 70.87	1800 70.87
	L(MM) L(In)	901 35.47	1009 39.72	1159 45.63	1159 45.63	1159 45.63
	W(MM) W(In)	500 19.69	500 19.69	500 19.69	500 19.69	500 19.69



## MFDC Spot/Press Welder

### Specification

Model #		DB-330-**0**	DB-440-**0**	DB-500-**0**	DB-660-**0**	DB-750-**0**	DB-880-**0**
Rated Capacity	KVA	330	440	500	660	750	880
Power Supply	V/Φ/Hz	380V/3Φ/50Hz 480V/3Φ/60Hz					
Max Primary Current	A	224	298	339	447	508	596
Primary Cable	MM <sup>2</sup>	5*16	3*50+16+25	3*50+16+25	3*50+16+25	3*50+16+25	3*50+16+25
Max. Short Cut Current	KA	58	59.9	70	85	90	110
Rated Duty Cycle	%	20	20	20	20	20	20
Secondary Empty Voltage	V	13	10.4	12.5	10.4	12.5	10.4
Welding Cylinder Size	Φ*L MM Φ*L In	Φ200*150 Φ7.87*5.9	Φ200*150 Φ7.87*5.9	Φ250*150 Φ7.87*5.9	Φ250*150 Φ7.87*5.9	Φ250*150 Φ7.87*5.9	Φ250*150 Φ7.87*5.9
Max Working Pressure @ 0.5MPa	N lbf	15000 3372	15000 3372	24000 5395	24000 5395	24000 5395	24000 5395
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	18 3.96	20 4.4	20 4.4	24 5.28	24 5.28	24 5.28
Compressed Air Consumption	L/time gal/time	9.24 2.03	9.24 2.03	14.43 3.17	14.43 3.17	14.43 3.17	14.43 3.17
Throat Depth	MM In	310 12.2	310 12.2	444 17.48	310 12.2	310 12.2	310 12.2
Arm Gap	MM In	435 17.13	398 15.67	424 16.7	400 15.75	400 15.75	400 15.75
Electrode Size	MM In	*	*	Φ30 Φ1.18	*	*	*
Dimension	H(MM) H(In)	2413 95	2432 95.75	1900 74.8	2507 98.7	2507 98.7	2507 98.7
	L(MM) L(In)	1210 47.64	1375 54.13	1339 52.72	1200 47.24	1200 47.24	1200 47.24
	W(MM) W(In)	864 34.02	650 25.59	610 24.02	920 36.22	920 36.22	920 36.22

## MFDC Spot/Press Welder



55/110KVA MFDC Pneumatic Spot/ Press Welder  
DB-55/110-AA010



165/220KVA MFDC Pneumatic Spot/ Press Welder  
DB-165/220-AA010



250/330/440KVA MFDC Pneumatic Spot/  
Press Welder  
DB-250/330/440-AA010



165/220KVA MFDC Pneumatic Spot/ Press Welder  
DB-165/220-AA012

■ MFDC Spot/Press Welder

■ MFDC Spot/Press Welder-Servo Actuated



220/250/330/440KVA MFDC Pneumatic Spot/Press Welder  
DB-220/250/330/440-AA020

220/250/330/440KVA MFDC Pneumatic Spot/Press Welder  
DB-220/250/330/440-AA030

165KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-165-13014

220KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-220-13005



500/660/750/880KVA MFDC Pneumatic Spot/Press Welder  
DB-500/660/750/880-AA020

500/660/750/880KVA MFDC Pneumatic Spot/Press Welder  
DB-500/660/750/880-AA030

250KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-250-15002

440KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-440-14009

■ MFDC Spot/Press Welder-Servo Actuated



500KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-500-15001

880KVA MFDC Spot/ Press Welder With Servo Actuator  
DB-880-14004

■ Capacitor Discharge Spot/Press Welder



10KJ CD Spot/ Press Welder With Servo Actuator  
DR-10000-14002

1.5/3KJ CD Pneumatic Spot/ Press Welder  
DR-1500/3000-AA001B

■ Capacitor Discharge Spot/Press Welder



10/15KJ CD Pneumatic Spot/ Press Welder  
DR-10000/15000-AA100

20/25/30/35/40/45/50KJ CD Pneumatic Spot/  
Press Welder  
DR-20000/25000/30000/35000/40000/45000/50000-AA100



4.5/6KJ CD Pneumatic Spot/ Press Welder  
DR-4500-AA001B / DR-6000-AA002A

6KJ CD Pneumatic Spot/ Press Welder  
DR-6000-AA001C

■ Capacitor Discharge Spot/Press Welder



8/10KJ CD Pneumatic Spot/ Press Welder  
DR-8000/10000-AA001B

12.5/15KJ CD Pneumatic Spot/ Press Welder  
DR-12500/15000-AA001A



20/25/30KJ CD Pneumatic Spot/ Press Welder  
DR-20000/25000/30000-AA001A

35KJ CD Pneumatic Spot/ Press Welder  
DR-35000-AA001

■ Low Voltage CD Spot/Press Welder

■ Specification

Model #		DR-1500-**	DR-3000-**	DR-4500-**	DR-6000-**	DR-8000-**	DR-10000-**	DR-12500-**	DR-15000-**	DR-20000-**	DR-25000-**	DR-30000-**	DR-35000-**
Volume of capacitor	µf	15000	30000	45000	60000	80000	100000	125000	150000	200000	250000	300000	350000
Rated Capacity	KVA	3	5	10	15	15	20	30	30	45	45	60	60
Power Supply	V/Φ/Hz	380/1/50 480/1/60						380/3/50 480/3/60					
Max Primary Current	A	14	23	26	40	40	30	45	45	68	68	91	91
Primary Cable	MM <sup>2</sup>	6	16	16	16	25	25	25	25	25	25	25	25
Max. Short Cut Current	KA	20	28	38	58	65	80	91	100	140	150	170	175
Rated Duty Cycle	%	50	50	50	50	50	50	50	50	50	50	50	50
Secondary Empty Voltage	V	10	10	10/11.4	11/12	10/12	10.5/14	15/18	15/18	17/21	20/22/25	20/22/25	27/30
Welding Cylinder Size	Φ*L MM Φ*L In	Φ80*60 Φ3.15*2.36	Φ100*60 Φ3.94*2.36	Φ160*80 Φ6.3*3.15	Φ160*80 Φ6.3*3.15	Φ200*150 Φ7.88*5.91	Φ200*150 Φ7.88*5.91	Φ200*150 Φ7.88*5.91	Φ200*150 Φ7.88*5.91	Φ300*150 Φ11.8*5.91	Φ300*150 Φ11.8*5.91	Φ300*150 Φ11.8*5.91	2-Φ250*150 Φ9.84*5.91
Max Working Pressure @ 0.5MPa	N lbf	2500 562	3900 876	10000 2248	10000 2248	15000 3372	15000 3372	15000 3372	15000 3372	34000 7643	34000 7643	34000 7643	49000 11016
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	*	*	*	8 1.76	8 1.76	8 1.76	8 1.76	8 1.76	10 2.2	10 2.2	10 2.2	10 2.2
Compressed Air Consumption	L/time gal/time	1.43 0.32	2.28 0.5	5.84 1.29	5.84 1.29	9.24 2.03	9.24 2.03	9.24 2.03	9.24 2.03	20.78 4.57	20.78 4.57	20.78 4.57	20.78 4.57
Throat Depth	MM In	315 12.4	340 13.39	420 16.54	420 16.54	306 12.05	306 12.05	306 12.05	306 12.05	306 12.05	306 12.05	306 12.05	306 12.05
Arm Gap	MM In	305 12	301 11.85	363 14.29	363 14.29	401 15.79	401 15.79	401 15.79	401 15.79	401 15.79	401 15.79	401 15.79	401 15.79
Electrode Size	MM In	Φ25 Φ0.99	Φ25 Φ0.99	Φ30 Φ1.08	Φ30 Φ1.08	*	*	*	*	*	*	*	*
Dimension	H(MM) H(In)	1460 57.48	1460 57.48	1810 71.26	1810 71.26	2370 93.31	2370 93.31	2503 98.54	2503 98.54	2603 102.48	2603 102.48	2603 102.48	2652 104.41
	L(MM) L(In)	1110 43.7	1110 43.7	1461 57.52	1461 57.52	1300 51.18	1300 51.18	1460 57.48	1460 57.48	1419 55.87	1419 55.87	1419 55.87	1595 62.8
	W(MM) W(In)	680 26.77	680 26.77	675 26.58	675 26.58	1285 50.59	1285 50.59	1230 48.43	1230 48.43	1445 56.89	1445 56.89	1445 56.89	1445 56.89

## ■ Medium Voltage CD Spot/Press Welder

### ■ Specification

Model #		DR-10000-**	DR-15000-**	DR-20000-**	DR-25000-**	DR-30000-**	DR-35000-**	DR-45000-**
Volume of capacitor	µf	20000	30000	40000	50000	60000	70000	90000
Rated Capacity	KVA	60	60	100	100	100	135	135
Power Supply	V/Φ/Hz	380/3/50 480/3/60						
Max Primary Current	A	91	91	152	152	152	205	205
Primary Cable	MM <sup>2</sup>	25	25	50	50	50	50	50
Max. Short Cut Current	KA	80	100	140	150	170	175	190
Rated Duty Cycle	%	50	50	50	50	50	50	50
Secondary Empty Voltage	V	11/13	15/18	19/23	20/26.6	20/26.6	27/30	27/30
Welding Cylinder Size	Φ*L MM Φ*L In	Φ200*150 Φ7.78*5.9	Φ300*152 Φ11.81*5.98	Φ300*150 Φ11.81*5.9	Φ300*150 Φ11.81*5.9	Φ300*150 Φ11.81*5.9	Customized	Customized
Max Working Pressure @ 0.5MPa	N lbf	15000 3372	34000 7644	34000 7644	34000 7644	34000 7644	Customized	Customized
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	8 1.76	8 1.76	10 2.2	10 2.2	10 2.2	10 2.2	10 2.2
Compressed Air Consumption	L/time gal/time	9.24 2.03	20.78 4.57	20.78 4.57	20.78 4.57	20.78 4.57	Customized	Customized
Throat Depth	MM In	272 10.71	280 11.02	272 10.71	306 12.05	306 12.05	306 12.05	306 12.05
Arm Gap	MM In	398 15.67	301 11.85	401 15.79	401 15.79	401 15.79	401 15.79	401 15.79
Electrode Size	MM In	*	*	*	*	*	*	*
Dimension	H(MM) H(In)	2403 94.61	2376 93.54	2340 92.13	2603 102.48	2603 102.48	2610 102.76	2610 102.76
	L(MM) L(In)	1300 51.18	1460 57.48	1527 60.12	1418 55.83	1418 55.83	1643 64.66	1643 64.66
	W(MM) W(In)	1210 47.64	1233 48.54	1355 53.35	1459 57.44	1459 57.44	1402 55.2	1402 55.2

## ■ AC Spot/Press Welder



25/35/50KVA AC Pneumatic Spot/ Press Welder  
DN-25/35/50-AA012



80/100/125/150/200KVA AC Pneumatic Spot/  
Press Welder  
DN-80/100/125/150/200-AA0\*\*



25/50KVA AC Pneumatic Rocker Arm Welder  
DN-25/50-14001



250/300/500KVA AC Pneumatic Spot/  
Press Welder  
DN-250/300/500-AA0\*\*

## AC Spot/Press Welder

### Specification

Model #		DN-25-**	DN-35-**	DN-50-**	DN-80-**	DN-100-**	DN-125-**	DN-150-**	DN-200-**	DN-250-**	DN-300-**	DN-500-**
Rated Capacity	KVA	25	35	50	80	100	125	150	200	250	300	500
Power Supply	V/Φ/Hz	380/1/50 480/1/60										
Max Primary Current	A	47	65	94	150	187	234	280	374	465	560	930
Primary Cable	MM <sup>2</sup>	16	16	25	50	50	120	120	120	120	2*120	3*120
Max. Short Cut Current	KA	15500	19000	24000	25000	26000	28000	34000	38000	42000	46000	76000
Rated Duty Cycle	%	50	50	50	50	50	50	50	50	50	50	50
Secondary Empty Voltage	V	4.2	5.2	6.1	7.6	8.6	9.5	11.2	13.5/10.5	13/11	16.0/12.0	18.0/14.0
Welding Cylinder Size	Φ*L MM Φ*L In	Φ80*60 Φ3.15*2.36	Φ80*60 Φ3.15*2.36	Φ100*60 Φ3.94*2.36	Φ125*100 Φ4.92*3.94	Φ160*100 Φ6.3*3.94	Φ160*100 Φ6.3*3.94	Φ200*100 Φ7.88*3.94	Φ200*100 Φ7.88*3.94	Φ200*100 Φ7.88*3.94	Φ200*100 Φ7.88*3.94	Φ250*150 Φ9.84*5.91
Max Working Pressure @ 0.5MPa	N lbf	2500 562	2500 562	3900 877	6000 1349	10000 2248	10000 2248	15000 3372	15000 3372	15000 3372	15000 3372	24000 5395
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	6 1.32	6 1.32	8 1.76	8 1.76	8 1.76	8 1.76	10 2.2	14 3.08	14 3.08	14 3.08	14 3.08
Compressed Air Consumption	L/time gal/time	1.43 0.32	1.43 0.32	2.28 0.5	3.56 0.78	5.84 1.29	5.84 1.29	9.24 2.03	9.24 2.03	9.24 2.03	9.24 2.03	14.43 3.17
Throat Depth	MM In	380 14.96	377 14.84	370 14.57	540 21.26	540 21.26	540 21.26	540 21.26	528 20.79	528 20.79	*	*
Arm Gap	MM In	333 13.11	331 13.03	329 12.95	364 14.33	364 14.33	364 14.33	364 14.33	425 16.73	425 16.73	*	*
Electrode Size	MM In	Φ25 Φ0.98	Φ25 Φ0.98	Φ25 Φ0.98	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18	Φ30 Φ1.18	*	*
Dimension	H(MM) H(In)	1472 57.95	1472 57.95	1472 57.95	1803 70.98	1803 70.98	1803 70.98	1803 70.98	1803 70.98	1803 70.98	*	*
	L(MM) L(In)	959 37.76	959 37.76	959 37.76	1284 50.55	1284 50.55	1284 50.55	1284 50.55	1269 49.96	1269 49.96	*	*
	W(MM) W(In)	400 15.75	400 15.75	400 15.75	500 19.69	500 19.69	500 19.69	500 19.69	560 22.05	560 22.05	*	*

## MFDC & CD Bench Spot/Press Welder

### Specification

Model #		DB-25-***1**	DB-55-***1**	DB-110-***1**	DB-165-***1**	DB-220-***1**	DR-500-**	DR-1500-**	
Volume of capacitor	μf	/	/	/	/	/	5000	15000	
Rated Capacity	KVA	25	55	110	165	220	2	3	
Power Supply	V/Φ/Hz	380/3/50 480/3/60					220/1/50 220-1/60		
Max Primary Current	A	17	37	75	112	149	9	14	
Primary Cable	MM <sup>2</sup>	5*16	5*16	5*16	5*16	5*16	4	6	
Max. Short Cut Current	KA	14	18	24	30	40	14600	20000	
Rated Duty Cycle	%	20	20	20	20	20	50	50	
Secondary Empty Voltage	V	7.2	8.9	10.4	13	10.4	10	10	
Welding Cylinder Size	Φ*L MM Φ*L In	Φ50(32)*50 Φ1.97(1.26)*1.97	Φ80 ( 32 ) *50 Φ3.15(1.26)*1.97	Φ100*50 Φ3.94*1.97	Φ100*50 Φ3.94*1.97	Φ100*50 Φ3.94*1.97	Φ25*25 Φ0.98*0.98	Φ80*60 Φ3.15*2.36	
Max Working Pressure @ 0.5MPa	N lbf	1000 39	2510 99	3920 154	3920 154	3920 154	240 9	2500 98	
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	
Cooling Water Consumption	L/MIN gal/min	6 1.32	6 1.32	8 1.76	12 2.64	12 2.64	*	*	
Compressed Air Consumption	L/time gal/time	0.54 0.12	1.43 0.32	2.28 0.5	2.28 0.5	2.28 0.5	0.14 0.03	1.43 0.32	
Throat Depth	MM In	235 9.25	235 9.25	231 9.1	235 9.25	239 9.4	116.5 4.59	315 12.4	
Arm Gap	MM In	230 9.06	230 9.06	260 10.24	260 10.24	258 10.16	75.5 2.97	195 7.68	
Electrode Size	MM In	Φ25.4 Φ1	Φ25.4 Φ1	Φ25.4 Φ1	Φ25.4 Φ1	Φ25.4 Φ1	Φ12 Φ0.47	Φ25 Φ0.98	
Dimension	H(MM) H(In)	1461/901 57.52/35.47	1461/901 57.52/35.47	1478/954 58.2/37.56	1790/954 70.47/37.56	964 37.95	1225 48.23	1370 53.94	
	L(MM) L(In)	831/672 32.72/26.46	831/672 32.72/26.46	962/707 37.87/27.83	869/707 34.21/27.83	707 27.83	550 21.65	550 21.65	
	W(MM) W(In)	688/490 27.1/19.3	688/490 27.1/19.3	1004/503 39.53/19.8	860/524 33.86/20.63	542 21.34	670 26.38	710 27.95	

Note: DB:MFDC Bench DR : CD Bench

■ Bench Spot/Press Welder



25/55KVA MFDC Bench Pneumatic Spot/ Press Welder  
DB-25/55-AA110

25/55KVA MFDC Bench Pneumatic Spot/ Press Welder  
DB-25/55-AA103

■ Bench Spot/Press Welder



55KVA MFDC Bench Pneumatic Spot/ Press Welder  
DB-55-14105

500/1500J CD Bench Pneumatic Spot/ Press Welder  
DR-500-AA001 / DR-1500-AA003

■ Seam Welder



25/55/110/165/220KVA MFDC Pneumatic Bench Spot/ Press Welder  
DB-25/55/110/165/220-AA104

55KVA MFDC Bench Pneumatic Spot/ Press Welder  
DB-55-AA107



165/200KVA MFDC Pneumatic Seam Welder  
FB-165/200-C\*\*0\*\*

200KVA MFDC Pneumatic Longitudinal Seam Welder  
FB-200-L\*\*0\*\*

■ Seam Welder



50/80/100/150/200KVA AC Pneumatic Seam Welder  
FN-50/80/100/150/200-C\*\*0\*\*



50/80/100/150/200KVA AC Pneumatic Longitudinal Seam Welder  
FN-50/80/100/150/200-L\*\*0\*\*



150KVA AC Pneumatic Seam Welder  
ZFN-150-001-0006



220KVA MFDC Pneumatic Seam Welder  
FB-220-C16001

■ Seam Welder & Longitudinal Seam Welder

■ Specification

Model #		FB-200-C**	FN-50-C**	FN-80-C**	FN-100-C**	FN-150-C**	FN-200-C**	FB-200-L**	FN-50-L**	FN-80-L**	FN-100-L**	FN-150-L**
Rated Capacity	KVA	MFDC 200	AC 50	AC 80	AC 100	AC 150	AC 200	MFDC 200	AC 50	AC 80	AC 100	AC 150
Power Supply	V/Φ/Hz	380/3/50 480/3/60										
Max Primary Current	A	136	93	149	186	279	372	136	93	149	186	279
Primary Cable	MM <sup>2</sup>	50	50	50	120	120	120	50	50	50	120	120
Max. Short Cut Current	KA	35.3	14.5	19.43	20.4	27.5	26.5	35.3	14.5	19.43	20.4	27.5
Rated Duty Cycle	%	10	30	30	30	30	30	10	30	30	30	30
Secondary Empty Voltage	V	10	5.4\4.5	5.8\6.7	6.7\5.8	8.6\8	13.5\10.5	10	5.4\4.5	5.8\6.7	6.7\5.8	8.6\8
Welding Cylinder Size	Φ*L MM Φ*L In	Φ160*80 Φ6.3*3.15	Φ100*60 Φ3.94*2.36	Φ125*80 Φ4.92*3.15	Φ160*80 Φ6.3*3.15	Φ160*80 Φ6.3*3.15	Φ160*80 Φ6.3*3.15	Φ160*80 Φ6.3*3.15	Φ100*60 Φ3.94*2.36	Φ125*80 Φ4.92*3.15	Φ160*80 Φ6.3*3.15	Φ160*80 Φ6.3*3.15
Max Working Pressure @ 0.5MPa	N lbf	10000 2248	3900 877	6000 1349	10000 2248	10000 2248	10000 2248	10000 2248	3900 877	6000 1349	10000 2248	10000 2248
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/ min	33 7.26	18 3.96	20 4.4	20 4.4	24 5.28	24 5.28	33 7.26	18 3.96	20 4.4	20 4.4	24 5.28
Compressed Air Consumption	L/time gal/ time	5.84 1.28	2.28 0.5	3.56 0.78	5.84 1.28	5.84 1.28	5.84 1.28	5.84 1.28	2.28 0.5	3.56 0.78	5.84 1.28	5.84 1.28
Throat Depth	MM In	535 21	620 24.4	664 26.14	686 27	686 27	686 27	1147 45.16	1147 45.16	1147 45.16	1147 45.16	1147 45.16
Arm Gap	MM In	247 9.72	210 8.27	208 8.2	248 9.76	248 9.76	248 9.76	115 4.53	115 4.53	115 4.53	115 4.53	115 4.53
Electrode Size	MM In	Φ330*10	Φ200*13	Φ200*12	Φ250*12	Φ250*12	Φ250*12	Φ250*20	Φ250*20	Φ250*20	Φ250*20	Φ250*20
Dimension	H(MM) H(In)	2615 102.95	1747 68.78	1647 64.84	2115 83.27	2115 83.27	2115 83.27	2368 93.23	2368 93.23	2368 93.23	2368 93.23	2368 93.23
	L(MM) L(In)	1878 73.94	1400 55.12	1689 66.5	1632 64.25	1632 64.25	1632 64.25	2274 89.53	2274 89.53	2274 89.53	2274 89.53	2274 89.53
	W(MM) W(In)	1181 46.5	925 36.42	1025 40.35	803 31.61	803 31.61	803 31.61	1263 49.72	1263 49.72	1263 49.72	1263 49.72	1263 49.72

Note: C:Seam Welder L : Longitudinal Seam Welder

■ Butt Welder



150KVA Butt Welder With Vertical Clamping  
ZUN-150-012-0002

150KVA Butt Welder With Lever Clamping  
ZUN-150-012-0001



50/63KVA Butt Welder With Vertical Clamping  
DN-50/63-U\*\*0\*\*

25/35/50KVA Butt Welder With Lever Clamping  
DN-25/35/50-U\*\*1\*\*

■ Butt Welder With Vertical & Lever Clamping

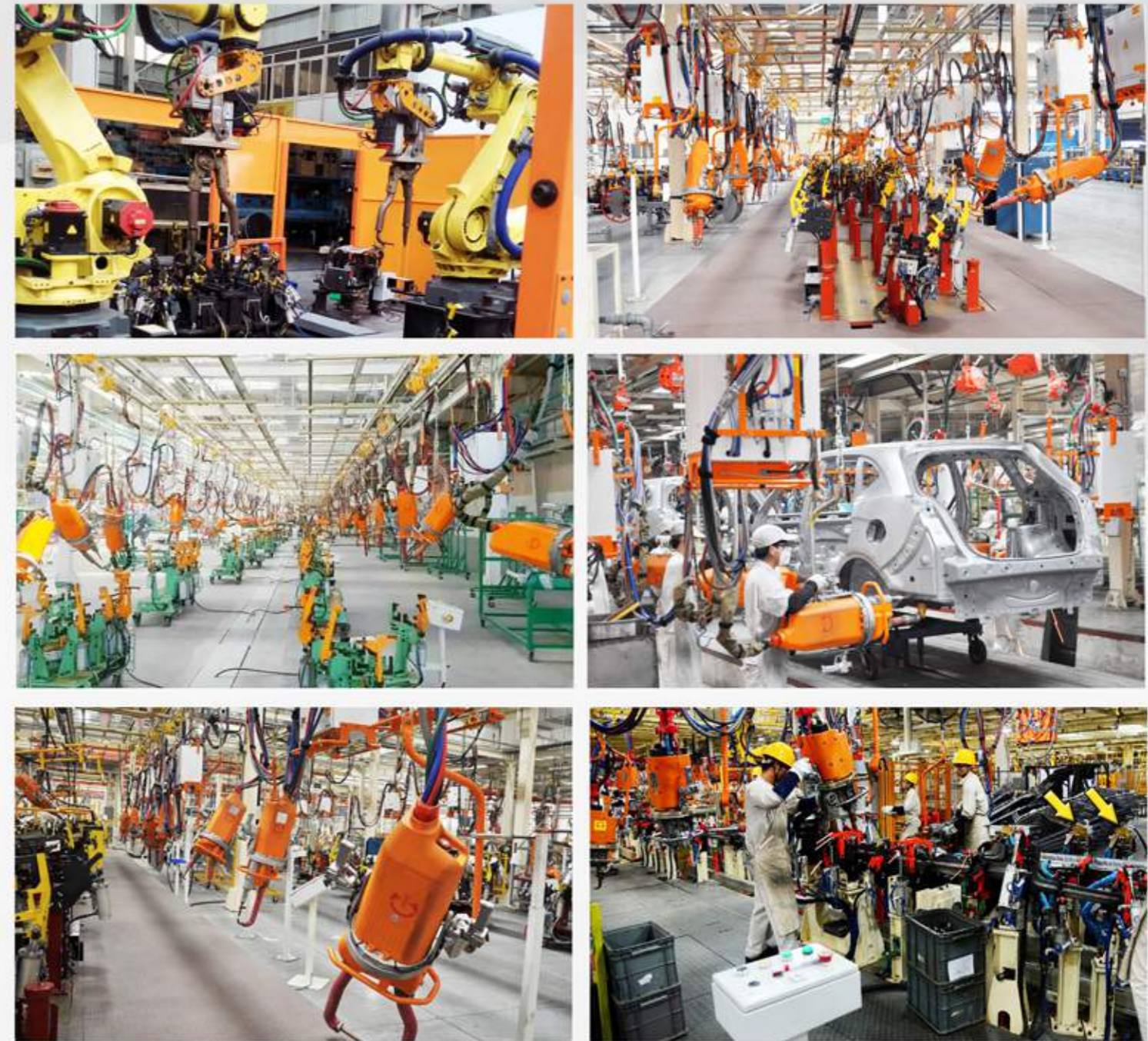
■ Specification

Model #		DN-50-U**0**	DN-63-U**0**	DN-25-U**1**	DN-35-U**1**	DN-50-U**1**
Rated Capacity	KVA	50	63	25	35	50
Power Supply	V/Φ/Hz	380/1/50 480/1/60		380/1/50 480/1/60		
Max Primary Current	A	94	117	47	65	94
Primary Cable	MM <sup>2</sup>	25	25	16	16	25
Max. Short Cut Current	KA	24	24.3	15.5	19	24
Rated Duty Cycle	%	50	50	50	50	50
Secondary Empty Voltage	V	6.1	6.1	4.2	5.2	6.1
Welding Cylinder Size	Φ*L MM Φ*L In	*	*	*	*	*
Max Working Pressure @ 0.5MPa	N lbf	*	*	*	*	*
Compressed Air Pressure	MPa	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7	0.6 ~ 0.7
Cooling Water Consumption	L/MIN gal/min	8 1.76	8 1.76	6 1.32	6 1.32	8 1.76
Compressed Air Consumption	L/time gal/time	*	*	*	*	*
Throat Depth	MM In	*	*	596 23.46	596 23.46	596 23.46
Arm Gap	MM In	*	*	198	198	198
Electrode Size	MM In	*	*	Φ31.75 Φ7.8	Φ31.75 Φ7.8	Φ31.75 Φ7.8
Dimension	H(MM) H(In)	1280 50.4	1280 50.4	1396 54.96	1396 54.96	1396 54.96
	L(MM) L(In)	510 20	510 20	1391 54.76	1391 54.76	1391 54.76
	W(MM) W(In)	873 34.37	873 34.37	637 25.1	637 25.1	637 25.1

Note: U\*\*0\*\* : Vertical Pressurize U\*\*1\*\* : Lever Pressurize

**Portable Spot Welding Guns**

Heron offers a comprehensive series of manual and robotic welding guns used in the automotive manufacturing industry.



Typical customers



柳州柳新汽车冲压件有限公司  
Liuzhou Liuxin Auto Stamping CO.,LTD

■ Manual Integrated Transgun

■ H Series MFDC/AC X Type Integrated Transgun

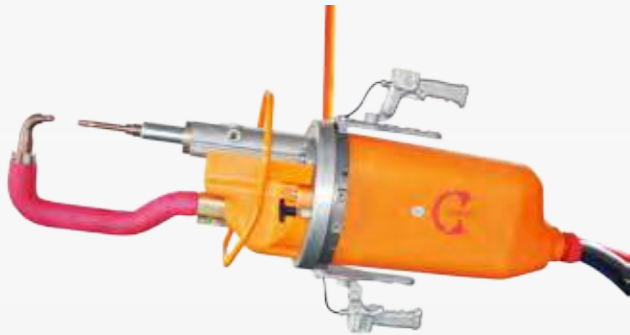


X160



X230

■ H Series MFDC/AC C Type Integrated Transgun



C150



C150

■ L Series MFDC/AC X/C Type Integrated Transgun



L21



L21/L22

■ Manual Integrated Transgun

■ L Series MFDC/AC X/C Type Integrated Transgun



L3X



L3C

■ Typical Special Integrated Transgun



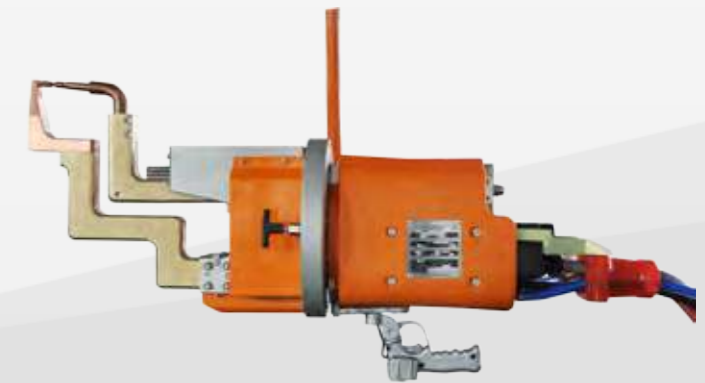
DN3-40-X14043



DN3-40-C14034



DB3-55-X14002



DB3-110-C14004

■ Manual Integrated Transgun

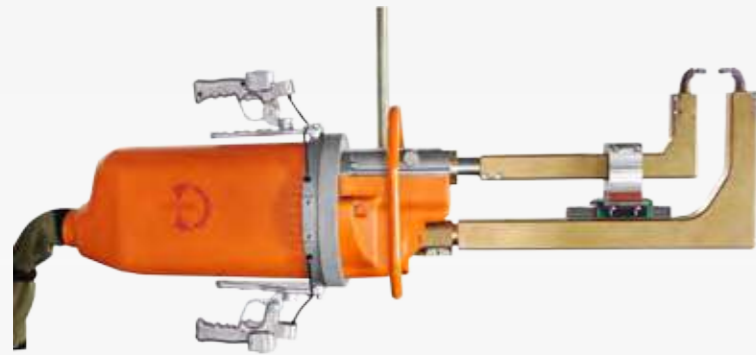
■ Typical Special Integrated Transgun



DN3-40-C14012

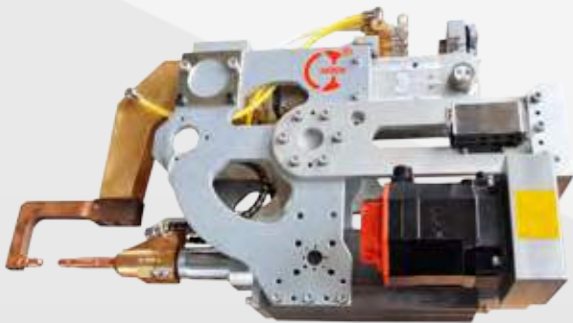


DN3-40-C12042



DB3-110-C14012

■ Robotic welding gun With Servo Actuator

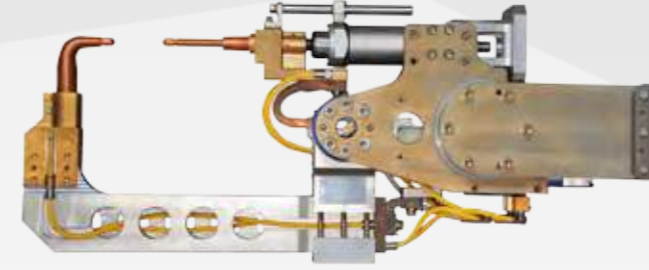


DB6-075-C15003-00  
Servo MFDC Robot Gun C Type (Small size + Integrated Electric Cylinder+Copper Arm)

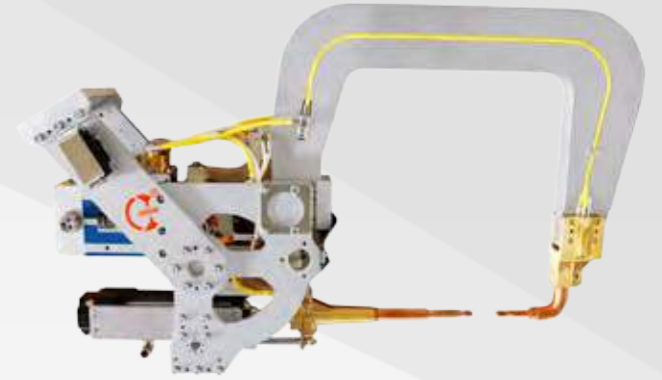


DB6-075-C15003-00  
Servo MFDC Robot Gun C Type (Small size + Integrated Electric Cylinder+Copper Arm)

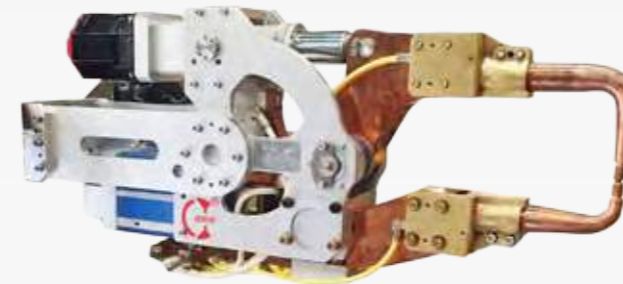
■ Robotic welding gun With Servo Actuator



DB6-075-C15001-00  
Servo MFDC Robot Gun C Type (Medium size + Integrated Electric Cylinder+Aluminum Arm)



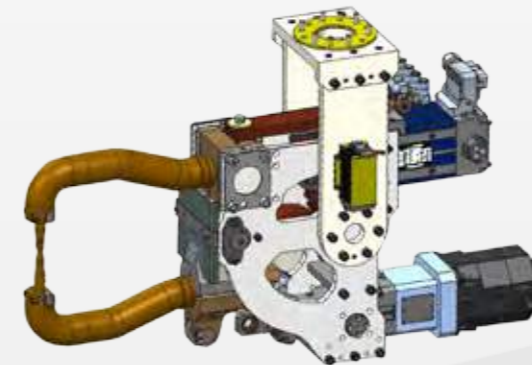
DB6-110-C15008-00  
Servo MFDC Robot Gun C Type (Special Type + Electric Cylinder+Aluminum Arm)



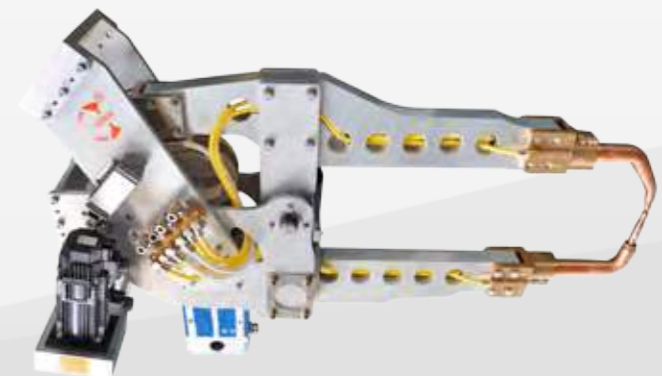
DB6-110-X15013-00  
Servo MFDC Robot Gun X Type (Small size + Integrated Electric Cylinder+Copper Arm)



DB6-075-X15001-00  
Servo MFDC Robot Gun X Type (Medium size + Integrated Electric Cylinder+Aluminum Arm)



DB6-075-X15003-00  
Servo MFDC Robot Gun X Type (Medium size + Integrated Electric Cylinder+Copper Arm)



DB6-110-X15007-00  
Servo MFDC Robot Gun X Type (Special Type + Electric Cylinder+Aluminum Arm)

## ■ Specification

### ■ H Series MFDC/AC X Type Integrated Transgun

	Item	Transformer	Cylinder diameter mm/in	Dynamic arm length mm/in	Stroke(mm)/(in) Assist/Weld/Back up	Cylinder number	Secondary voltage (V)	Welding force (Kg)/(lb) 0.5MPa	Secondary short circuit current (KA)	Total Weight (Kg)/(lb)	L mm/in	H mm/in	G mm/in	A° (°)	B° (°)
X160	1	55KVA MFDC	Φ80 Φ3.15"	152 5.98"	35/10/10 1.38"/0.39"/0.39"	3-5	8.9	200-500 441-1102lb	15	75-95 166-210lb	Standard throat	Standard arm gap	Bending height	Angle	Angle
	2	110KVA MFDC				4-6	10.4	200-500 441-1102lb	24	85-105 188-232lb					
	3	40KVA AC	Φ80 Φ3.15"	152 5.98"	35/10/10 1.38"/0.39"/0.39"	4-6	5	200-500 441-1102lb	14	90-110 199-221lb	10.24" 14.17" 16.54" 19.69"	4.33" 6.5" 7.78"	≥ 40 ≥ 1.57"	105° 110°	105° 110°
	4	65KVA AC				4-6	9.7	200-500 441-1102lb	18	90-110 199-221lb					
X230	1	55KVA MFDC	Φ80 Φ3.15"	178 7"	35/10/10 1.38"/0.39"/0.39"	3-5	8.9	200-500 441-1102lb	15	75-95 166-210lb	Standard throat	Standard arm gap	Bending height	Angle	Angle
	2	110KVA MFDC				4-6	10.4	200-500 441-1102lb	24	85-105 188-232lb					
	3	40KVA AC	Φ80 Φ3.15"	178 7"	35/10/10 1.38"/0.39"/0.39"	4-6	5	200-500 441-1102lb	14	90-110 199-221lb	16.54" 19.69" 23.62" 27.56" 31.5"	10.23" 11.81" 13.78" 15.75"	≥ 40 ≥ 1.57"	105° 110°	105° 110°
	4	65KVA AC				4-6	9.7	200-500 441-1102lb	18	90-110 199-221lb					

### ■ H Series MFDC/AC C Type Integrated Transgun

	Item	Transformer	Cylinder diameter mm/in	Stroke(mm)/(in) Assist/Weld/Back up	Cylinder number	Secondary voltage (V)	Welding force (Kg)/(lb) 0.5MPa	Secondary short circuit current (KA)	Total Weight (Kg)/(lb)	L mm/in	H mm/in	G mm/in	A° (°)
C150	1	55KVA MFDC	Φ80 Φ3.15"	45/20/20 90/20/20 130/20/20	2	8.9	400 882lb	15	75-95 165-210lb	Standard throat	Standard arm gap	Bending height	Angle
	2	110KVA MFDC			2	10.4	400 882lb	24	85-105 187-231lb				
	3	40KVA AC	Φ80 Φ3.15"	45/20/20 90/20/20 130/20/20	2	5	400 882lb	14	90-110 198-243lb	9.84" 11.81" 13.78" 15.75" 19.69"	4.33" 5.9" 9.84" 11.81" 13.78" 15.75"	1.57" 1.97" 2.36" 3.15" 3.94"	105° 110°
	4	65KVA AC			2	9.7	400 882lb	18	90-110 198-243lb				

## ■ Specification

### ■ L Series MFDC/AC X/C Type Integrated Transgun

	Item	Transformer (KVA)	Cylinder diameter mm/in	Dynamic arm length mm/in	Stroke(mm)/(in) Assist/Weld/Back up	Secondary voltage (V)	Standard throat mm/in	Welding force (dN)	Secondary short circuit current (KA)	L mm/in	H mm/in	A° (°)	B° (°)	C mm/in
L21	1	55(MFDC)	Φ100 Φ3.94"	210 8.27"	25/50 0.98"/1.97"	10	300 11.81"	130-570	18	200 ~ 750	40 ~ 130	90 105 110	90 105 110	10 ~ 60
	2	110(MFDC)				10.4	400 15.74"	130-570	20					
	3	40(AC)	Φ100 Φ3.94"	210 8.27"	25/50 0.98"/1.97"	6.5	300 11.81"	130-570	16	7.84" ~ 29.53"	1.57" ~ 5.12"			0.39" ~ 2.36"
	4	65(AC)				9.7	400 15.74"	130-570	18					
L22	1	55(MFDC)	Φ100 Φ3.94"	210 8.27"	25/50 0.98"/1.97"	10	300 11.81"	130-570	18	200 ~ 750	155 ~ 330	90 105 110	90 105 110	10 ~ 80
	2	110(MFDC)				10.4	400 15.74"	130-570	20					
	3	40(AC)	Φ100 Φ3.94"	210 8.27"	25/50 0.98"/1.97"	6.5	300 11.81"	130-570	16	7.84" ~ 29.53"	6.1" ~ 13"			0.39" ~ 3.15"
	4	65(AC)				9.7	400 15.74"	130-570	18					

### ■ L Series MFDC/AC X/C Type Integrated Transgun

	Item	Transformer (KVA)	Cylinder diameter mm/in	Stroke(mm)/(in) Assist/Weld/Back up	Secondary voltage (V)	Standard throat mm/in	Welding force (dN)	Secondary short circuit current (KA)	L mm/in	H mm/in	A° (°)	B mm/in
L21 L22	1	55(MFDC)	Φ80 Φ100	20/60 20/80	10	300 11.81"	390	18	250 ~ 400	40 ~ 350	90 105 110	10 ~ 60
	2	110(MFDC)	Φ3.15" Φ3.94"	0.79"/2.36" 0.79"/3.15"	10.4	300 11.81"	390	20				
	3	40(AC)	Φ80 Φ100	20/60 20/80	6.5	300 11.81"	390	16	9.84" ~ 15.75"	1.57" ~ 13.78"		0.39" ~ 2.36"
	4	65(AC)	Φ3.15" Φ3.94"	0.79"/2.36" 0.79"/3.15"	9.7	300 11.81"	390	18				
L23 L24	1	55(MFDC)	Φ80 Φ100	20/110 20/130	10	300 11.81"	390	18	250 ~ 400	40 ~ 350	90 105 110	10 ~ 70
	2	110(MFDC)	Φ3.15" Φ3.94"	0.79"/4.33" 0.79"/5.12"	10.4	300 11.81"	390	20				
	3	40(AC)	Φ80 Φ100	20/110 20/130	6.5	300 11.81"	390	16	9.84" ~ 15.75"	1.57" ~ 13.78"		0.39" ~ 2.76"
	4	65(AC)	Φ3.15" Φ3.94"	0.79"/4.33" 0.79"/5.12"	9.7	300 11.81"	390	18				

## ■ Specification

### ■ Robotic Welding Gun With Servo Actuator

Model No	DB6-075-C15003-00	DB6-075-C15002-00
Gross Weight ( Kg/lb )	115 254lb	93 205lb
Transformer's Rated Capacity(KVA)	75	75
Throat Depth*Throat Width(mm/in)	70*262 2.76**10.32"	135*278 5.3**10.95"
L*H*W ( mm/in )	967*633*423 38.07**24.92**16.65"	1050*530*280 41.34**20.87**11"
Max Shortcut Current ( KA )	14.6	14.6
Max Gun Mouth's Open ( mm/in )	105 4.13"	90 3.54"
Max Electrode Pressure ( N/lbf )	4400 989.16lbf	4500 1011.64lbf
Electrode Deformation ( mm/in )	1.35 0.05"	1 0.04"
Electrode Off Centre ( mm/in )	≤ 0.5 ≤ 0.02"	≤ 0.5 ≤ 0.02"
Center OF Gravity ( X/Y/Z,cm )	1.4/2/40.9	0.5/0.1/47.5
Arm Material	Copper	Copper Bar
Connecting Way With Robot	Up,Down, Left ( Or Right ) ,Backward	Up,Down, Left, Right,Backward
Servo Motor	US FXLAR can be integrated with all robot brands	

Model No	DB6-075-C15001-00	DB6-110-C15008-00
Gross Weight ( Kg/lb )	84 185lb	126.5 279lb
Transformer's Rated Capacity(KVA)	75	110
Throat Depth*Throat Width(mm/in)	242*447 9.53**17.6"	580*621 22.83**24.45"
L*H*W ( mm/in )	1126*623*349 44.33**24.53**13.74"	1400*825*190 55.12**32.48**7.48"
Max Shortcut Current ( KA )	14.6	20
Max Gun Mouth's Open ( mm/in )	130 5.12"	192 7.56"
Max Electrode Pressure ( N/lbf )	6000 1348.85lbf	4000 899.24lbf
Electrode Deformation ( mm/in )	1.4 0.06"	1.2 0.05"
Electrode Off Centre ( mm/in )	≤ 0.5 ≤ 0.02"	≤ 0.5 ≤ 0.02"
Center OF Gravity ( X/Y/Z,cm )	12.5/0/31.7	12/1.7/31.7
Arm Material	Aviation aluminum	Aviation aluminum
Connecting Way With Robot	Up,Down, Left, Right,Backward	Up,Down, Left ( Or Right ) ,Backward
Servo Motor	US FXLAR can be integrated with all robot brands	

## ■ Specification

### ■ Robotic Welding Gun With Servo Actuator

Model No	DB6-110-X15013-00	DB6-075-X15001-00
Gross Weight ( Kg/lb )	119 262lb	93 205lb
Transformer's Rated Capacity(KVA)	110	75
Throat Depth*Throat Width(mm/in)	284*125 11.18*4.92"	135*278 5.3**10.95"
L*H*W ( mm/in )	1050*531*190 41.34**21**7.48"	1050*530*280 41.34**20.87**11"
Max Shortcut Current ( KA )	20	14.6
Max Gun Mouth's Open ( mm/in )	139 5.47"	90 3.54"
Max Electrode Pressure ( N/lbf )	4400 989.16lbf	4500 1011.64lbf
Electrode Deformation ( mm/in )	1.35 0.05"	1 0.04"
Electrode Off Centre ( mm/in )	≤ 0.5 ≤ 0.02"	≤ 0.5 ≤ 0.02"
Center OF Gravity ( X/Y/Z,cm )	2.3/0.1/47.6	0.5/0.1/47.5
Arm Material	Aluminum	Copper Bar
Connecting Way With Robot	Up,Down, Left, Right,Backward	Up,Down, Left, Right,Backward
Servo Motor	US FXLAR can be integrated with all robot brands	

Model No	DB6-075-X15003-00	DB6-110-X15007-00
Gross Weight ( Kg/lb )	107 235lb	140 309lb
Transformer's Rated Capacity(KVA)	75	110
Throat Depth*Throat Width(mm/in)	305*334 12**13.15"	815*250 32.1**9.84"
L*H*W ( mm/in )	965*445*190 38**17.52**7.48"	1400*825*190 55.12**32.48**7.48"
Max Shortcut Current ( KA )	14.6	20
Max Gun Mouth's Open ( mm/in )	162 6.38"	300 11.81"
Max Electrode Pressure ( N/lbf )	5000 1124lbf	4000 899.24lbf
Electrode Deformation ( mm/in )	1.5 0.06"	1.2 0.05"
Electrode Off Centre ( mm/in )	≤ 0.5 ≤ 0.02"	≤ 0.5 ≤ 0.02"
Center OF Gravity ( X/Y/Z,cm )	7.9/0.1/35.4	3/1.1/56.7
Arm Material	Copper Bar	Aluminum Arm
Connecting Way With Robot	Up,Down, Left, Right,Backward	Up,Down, Left, Right,Backward
Servo Motor	US FXLAR can be integrated with all robot brands	



## Auto-part Manufacturing Industry

Heron specializes in offering a variety of standard and custom resistance welding equipment used to make automotive components.



Typical customers



■ Welding Equipment For Auto Parts Manufacturing Industry

250KVA MFDC Spot/Press Welder	300KVA Automatic Bolt Welder With Four Stations	110KVA MFDC Welder Spot/Press Welder With Four Rotary Stations
DB-250-15001	DN-300-13001	DB-110-13010



200KVA Automatic Spot/Press Welder For Square-head Nut	440KVA Customized Welder For Automotive Center Post	15000J Double Heads Capacitor Discharge Spot/Press Welder
DN-200-11003	DB-440-14003	DR-15000-12003



5000J CD Press Welder For Oil Filter	220KVA MFDC Press Welder For Gas Spring	10000J CD Press Welder For Gas Spring
DR-15000-12003	DB-220-14023	DR-10000-14003



■ Welding Equipment For Auto Parts Manufacturing Industry

15000J CD Press Welder For Car's Steering	200KVA Seam Welder For Shock Absorber	200KVA Seam Welder For Shock Absorber
ZDR150ACDD001-0003	FN-200-09001	FB-200-L13001



220KVA Heat Pressing Welder For Pure Copper+Tin Plated	100KVA AC Welder For Fuel Tank Cover	100KVA AC Customized Welder For Fuel Tank Shell Plate
DB-220-13006	DN-100-12003	DN-100-13014



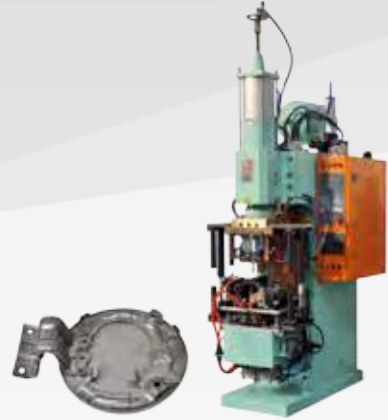
100KVA AC Customized Welder For Fuel Tank Cover	100KVA AC Welder For Fuel Tank Shell Plate	110KVA MFDC Welder For Fuel Tank Cover
DN-100-13002	DN-100-13006	DB-110-13011



■ Welding Equipment For Auto Parts Manufacturing Industry

330KVA MFDC Welder For Fuel Tank Cover Frame

DB-330-13004



Glue Filler Machine For Fuel Tank Inner Plate

ZA0-F13004



10T Riveting Machine For Fuel Tank Cover

ZMQ-010-001-11001



220KVA MFDC Spot/Press Welder For Car Seat Rail

DB-220-12022



220KVA MFDC Spot/Press Welder For Car Seat Rail

DB-165-16010



440KVA MFDC Spot/Press Welder For Car Seat Rail

DB-440-13021



165KVA MFDC Spot/Press Welder For Car Seat Rail

DB-165-10005



250KVA MFDC Spot/Press Welder

DB-250-15004



330KVA MFDC Spot/Press Welder

DB-330-15002



■ Welding Equipment For Auto Parts Manufacturing Industry

45000J Customized CD Spot/PressWelder

ZDR-450-001-0001



12000J Three Heads CD Press Welder For Automobile Window Lifter

DR-12000-12003



12000J Double Heads CD Press Welder For Automobile Window Lifter

DR-12000-12002



440KVA MFDC Spot/Press Welder For Spin Rail

DB-440-11009



660KVA MFDC Seam Welder

FB-660-C13002



6000J CD Welder For Steering Lever

DR-6000-09002



165KVA MFDC Spot/Press Welder For Car Seat Rail

DB-165-10005



250KVA MFDC Spot/Press Welder

DB-250-15004



330KVA MFDC Spot/Press Welder

DB-330-15002



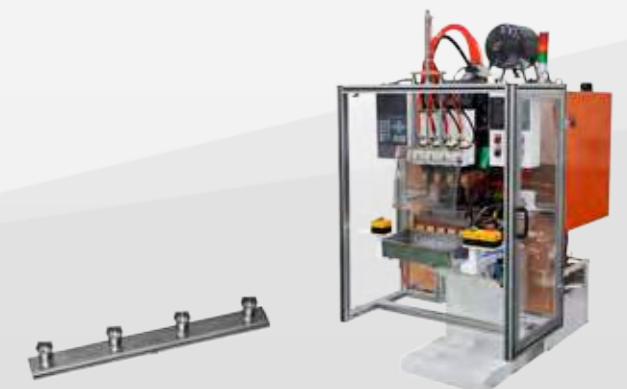
40000J CD Spot/Press Welder

DR-40000-13002



165 KVA MFDC Press Welder For Grease Cup

DB-165-15005



■ Welding Equipment For Auto Parts Manufacturing Industry

330 KVA Inverter Press Welder For Auto Tire's Nut & Cap

DB-330-14005



440 KVA MFDC Press Welder For Fuel Tank Cover

DB-440-15015



330KVA MFDC Spot/Press Welder

DB-330-15001



Double Heads Clinch Machine (single spot) For Automobile Sunroof

ZMY-020-001-14002



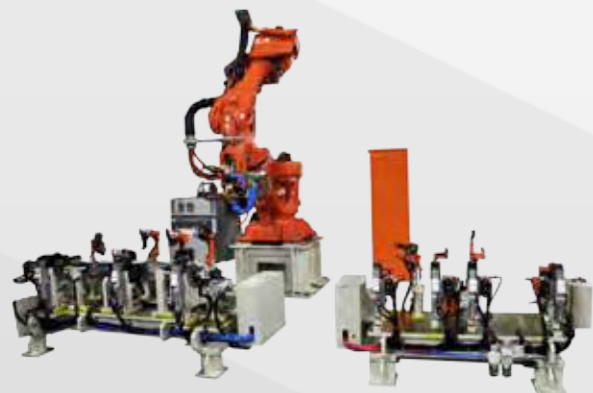
MFDC Spot/Press Welder

ZA0-F16009



Press Welding Robot Workstation

ZA0-F13018



Press Welding Robot Workstation

ZA0-F14009



■ Welding Equipment For Auto Parts Manufacturing Industry

Press Welding Robot Workstation

ZA0-F15012



Arc Welding Robot Workstation

ZA0-F13010



Arc Welding Robot Workstation

ZA0-F14010



Arc Welding Robot Workstation

ZA0-F15012



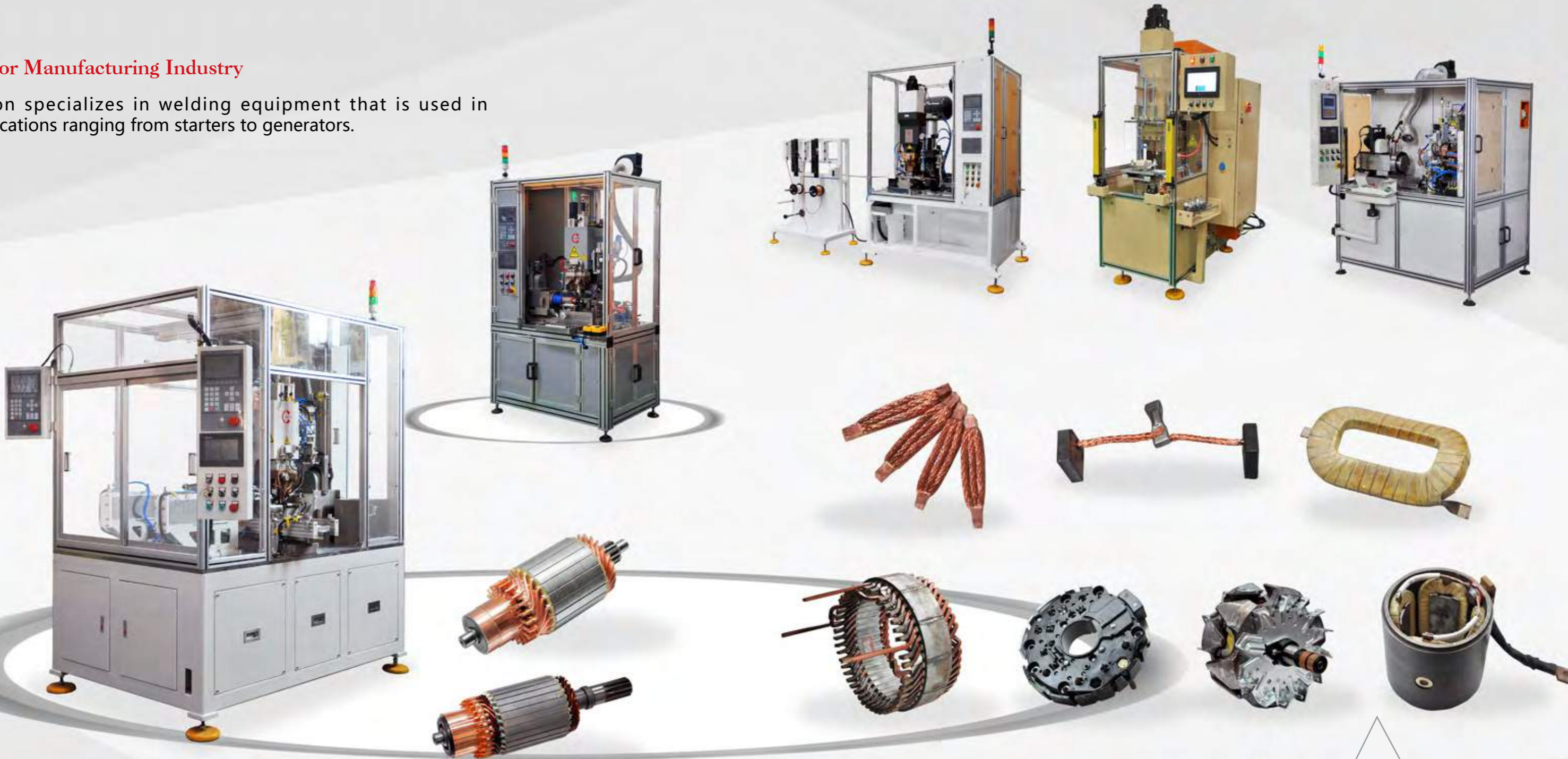
Customized Spot Welder For Car Door Threshold

ZA0-F15022



**Motor Manufacturing Industry**

Heron specializes in welding equipment that is used in applications ranging from starters to generators.



Typical customers



■ Welding Equipment For Motor and Generator Manufacturer

25KVA AC Spot/Press Welder

DN-25-13004



35KVA AC Spot/Press Welder

DN-35-14003



165KVA MFDC Spot/Press Welder

DB-165-13012



165KVA MFDC Spot/Press Welder

DB-165-13013



55KVA MFDC Spot/Press Welder

DB-55-13006



55KVA Servo MFDC Welder For Armature

DB-55-Q14001



55KVA MFDC Welder For Armature

DB-55-Q15001



110KVA MFDC Double Heads Welder For Armature

DB-110-Q14001



55KVA MFDC Welder For Armature

DB-55-15003



■ Welding Equipment For Motor and Generator Manufacturer

220KVA MFDC Welder For Car Starter

DB-220-11025



110KVA MFDC Welder For Car Starter

DB-110-15010



10000J Capacity Discharge Welder For Rotor Fan

DR-10000-13001



110KVA MFDC Welder For Motor Fan Weld To Rotor

DB-110-14002



10000J Capacity Discharge Welder For Rotor Fan

DR-10000-12004



55KVA MFDC Welder For Motor Stator

DB-55-13005



55KVA MFDC Welder For Motor Stator

DB-55-12004



55KVA MFDC Welder For Rectifier Bridge

DB-55-13007



55KVA MFDC Welder For Rectifier Bridge

DB-55-15001



**Compressor Manufacturing Industry**

Heron supplies comprehensive production cells for air conditioner and refrigerator compressor manufacturers.



Typical customers



■ Welding Equipment For Compressor Manufacturing Industry

440KVA MFDC Welder For Copper Connector With Shell

DB-440-13022



440KVA MFDC Welder For Pins

DB-440-13005



660KVA MFDC Welder For The Fusite

DB-660-13007



220KVA MFDC Welder For Relay Bracket

DB-220-11001



220KVA MFDC Welder For Bracket

DB-220-15011



440KVA MFDC Welder For The Base Legs

DB-440-12003



220KVA MFDC Automatic Welder For Bracket

DB-220-14014



440KVA MFDC Automatic Welder For The Base Legs

DB-440-14016



■ Welding Equipment For Compressor Manufacturing Industry

440KVA MFDC Welder For Suck Pipe

DB-440-10005



660KVA MFDC Welder For The Fusite

DB-660-13007



660KVA MFDC Welder For The Suction

DB-660-11003



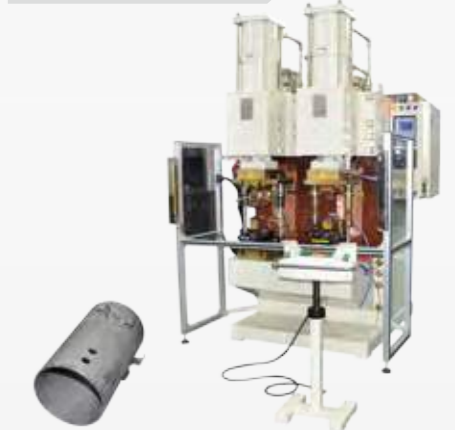
880KVA MFDC Welder For The Base Legs

DB-880-12002



440KVA MFDC Welder For Bracket

DB-440-12002



560KVA MFDC Welder For The Fusite

DB-560-11001



35000J CD Welder For The Fusite

ZDR350ACBB001-0001



■ Welding Equipment For Compressor Manufacturing Industry

220KVA MFDC Press Welder

DB-220-12003



880KVA MFDC Welder For The Base Legs

DB-880-12001



80KVA AC Welder For Bolt Welded To Cover

ZDN080HDBB001-0001



110KVA MFDC Press Welder For The Ball Welded To The Bar

DB-110-13012



110KVA MFDC Press Welder For The Bar Welded To The Cylinder

DB-110-13013



55KVA MFDC Press Welder For Reservoir

DB-55-14006



660KVA MFDC Double Heads Press Welder For Reservoir

DB-660-14006



440KVA MFDC Welder For Reservoir Suck Pipe

DB-440-14005



■ Welding Equipment For Compressor Manufacturing Industry

660KVA MFDC Welder For Reservoir Bend Pipe

DB-660-14004



Automatic Welder For Cover's Vent Pipe And Bolt

ZA0-F13033



660KVA MFDC Welder For Suck Pipe

DB-660-15001



660KVA MFDC Welder For Suck Pipe

DB-660-16007



110KVA MFDC Automatic Welder For Bolt

DB-110-15009



165KVA MFDC Automatic Welder For Bracket

DB-165-15016



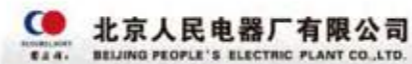


**Low Voltage Electrical Manufacturing Industry**

In the low voltage electrical manufacturing field, Heron has developed a whole series manual and automatic equipment, And developed processes for directly welding Cu to Ag using a resistance welder.



Typical customers



■ Welding Equipment For Low-Voltage Electrical Industry

50KVA AC Customized Welding And Cutting Machine For Braided Copper

DN-50-14005



80KVA AC Customized Welding And Cutting Machine For Braided Copper

DN-80-13006



110KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-110-11006



220KVA MFDC Customized Welding And Cutting Machine For Braided Copper

ZDB-220-001-0002



330KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-330-15004



440KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-440-14020



440KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-440-12022



4660KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-660-13001



660KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-660-13009



■ Welding Equipment For Low-Voltage Electrical Industry

880KVA MFDC Customized Welding And Cutting Machine For Braided Copper

DB-880-14007



25KVA MFDC Servo Bench Welder With Table

DB-25-10104



55KVA MFDC Bench Welder With Table

DB-55-10104



55KVA MFDC Bench Welder With Table

DB-55-13107



55KVA MFDC Bench Welder With Table

DB-55-10005



440KVA MFDC Spot/Press Welder With 4 Stations

ZDB055ABHG001-0002



2x220KVA MFDC Spot/Press Welder With 6 Stations

DB-440-11010



4440KVA MFDC Resistance Welder For The Static Contact With 6 Stations

ZDB440ABBB01-0001



4440KVA MFDC Resistance Welder For The Static Contact With 6 Stations

ZDB-440-A01-0001



■ Welding Equipment For Low-Voltage Electrical Industry

110KVA MFDC Resistance Welder For The Static Contact

DB-110-14007



55KVA MFDC Resistance Welder For The Static Contact With 6 Stations

DB-55-13010



Automatic HF Soldering Welder With 6 Stations

ZA0-F15015



110KVA Full Automatic Welder For Silver Tip

DB-110-15018



55KVA Full Automatic Welder For Silver Tips

DB-55-15004



55KVA MFDC Spot Welder For Electric Magnetic Switch

DB-55-14004



55KVA Double Head Automatic Resistance Soldering Welder

DB-55-Q13004



55KVA MFDC Bench Welder

DB-55-Q15004



440KVA MFDC Spot/Press Welder

DB-440-14008



■ Welding Equipment For Low-Voltage Electrical Industry

1250KVA Mfdc Welder For Frame Breaker Busbar

DB-1250-14001



880KVA MFDC Welder For Mobile Contact

DB-880-14006



880KVA MFDC Welder For Frame Breaker Busbar

DB-880-14005



250KVA Seam Welder For Copper And Silver Tap

FB-250-C13001



110KVA MFDC Spot/Press Welder For Magnetic Disconnect With 8 Stations

DB-110-14009



55KVA Double Head Automatic Resistance Soldering Welder

DB-55-Q13004



55KVA MFDC Bench Welder

DB-55-Q15004



440KVA MFDC Spot/Press Welder

DB-440-14008



880KVA MFDC Double Heads Spot Welder For Aluminum Bus-Bar

DB-880-15001



Automatic Assembly Clinch Machine For Aluminum Bus-Bar

ZMY-015-001-14001



**Appliance and Hardware Manufacturing Industry**

We have supplied welding equipment for the appliance and hardware field.



Typical customers



■ Welding Equipment For The Home Appliance and Hardware Industry

4500J CD Welder For The Clamp To The Back Plate With One Head

DR-4500-12003



10000J CD Welder For The Back Long Side Panel With One Head

DR-10000-12009



10000J CD Welder For The Front Short Side Panel With One Head

DR-10000-12008



10000J CD Welder For The Front Long Side Panel With One Head

DR-10000-12007



10000J CD Welder For The Top Cover In Body Shape U With One Head

DR-10000-12005



10000J CD Welder For Back Short Side Panel With One Head

DR-10000-12006



20000J CD Welder For Wave Guide Support

DR-20000-12003



8000J CD Press Welder For Wave Guide To Microwave Body With One Head

DR-8000-12006



8000J CD Welder For Bracket Motor In Body Shape U With One Head

DR-8000-12005



■ Welding Equipment For The Home Appliance and Hardware Industry

20000J CD Welder For Microwave With Two Heads

DR-20000-11001



8000J CD Press Welder For Motor Box

DR-8000-12007



10000J CD Welder For Microwave Body And Hinge

DR-10000-12011



4500J CD Welder For Microwave Body And Support

DR-4500-12004



10000J CD Welder For Microwave Body And Motor Box

DR-10000-12010



20000J CD Welder For The Micro Wave Shell And Hinge

DR-20000-12002



76000J CD Welder For The Front Long Side Panel With Two Head

DR-76000-13001



76000J CD Welder For The Back Long Side Panel With Two Head

DR-76000-13002



54000J CD Welder For Back Short Side Panel With Two Head

DR-54000-13002



■ Welding Equipment For The Home Appliance and Hardware Industry

66000J CD Welder For The Top Cover In Body Shape U With One Two Head

DR-66000-13001



54000J CD Welder For Front Short Side Panel With Two Head

DR-54000-13001



40000J CDWelder For Left Hinge

DR-40000-13001



50000J CD Welder For Right Hinge

DR-50000-13001



55000J CD Press Welder For Wave Guide To Microwave Body

DR-55000-13001



27000J CD Welder For Bracket Motor In Body Shape U

DR-27000-13002



12000J CD Welder For The Clamp To The Back Plate

DR-12000-13001



27000J CD Welder For U Plate Bending+ Motor Box

DR-27000-13001



165KVA Back plate+ U Bending & Seam Welding

FB-165-C13001



■ Welding Equipment For The Home Appliance and Hardware Industry

35000J CD Welder For The Water Heating Fitting

ZDR350ACBB001-0002



440KVA MFDC Welder For Water Inlet Pipe

DB-440-13003



440KVA MFDC Welder For Water Inlet Pipe With Two Heads

DB-440-13017



8000J CD Welder For Hanger

DR-8000-13001



15000J CD Welder For Hanger

DR-15000-13001



35000J CD Welder For Flange

DR-35000-13001



80000J Capacitor Discharge Spot/Press Welder

ZDR-800-001-0001



100KVA AC Longitudinal Seam Welder

FN-100-L11002



■ Welding Equipment For The Home Appliance and Hardware Industry

20000J CD Welder For Shell And Base Plate

DR-20000-14001



Automatic Welder For The Burner

ZA0-F14013



AC Multi Spots Welder With 26 Heads For Stiffener For Super Market Shelf

DN-1040-10004



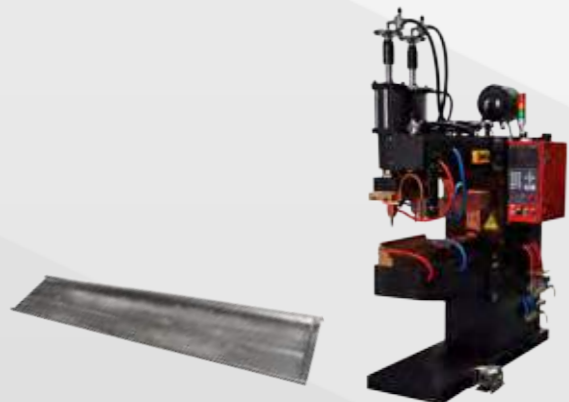
MFDC Multi Spots Welder With 26 Heads For Stiffener For Super Market Shelf

DB-1430-13001



165KVA MFDC Spot/Press Welder For Elevator Door

DB-165-15012



Automatic Welder For Elevator Door

ZA0-F16001



■ Welding Equipment For The Home Appliance and Hardware Industry

500KVA Automatic Multi Spot Welder With Wire Feeder For Preformed Wall Frame

DN-500-12001



480KVA Automatic Multi Spot Welder With Wire Feeder For Preformed Wall Frame

DN-480-13001



220KVA MFDC Spot/Press Welder For Shopping Cart

DB-220-11015



2x165KVA Inverter Welder For The Tooling Box Stopper

DB-330-11001



165KVA Inverter Welder For The Tooling Box Stopper

DB-165-11003



100KVA AC Press Welder For Refrigerator Wire Frame

DN-100-13016



220KVA MFDC Press Welder For Refrigerator Wire Frame

DB-220-13027



220KVA MFDC Press Welder For Refrigerator Wire Frame

DB-220-10018



■ Welding Equipment For The Home Appliance and Hardware Industry

6000J CD Automatic Welder For Stainless Steel Strip

DR-6000-12001



990KVA MFDC Customized Welder For Static Flooring

DB-990-12001



990KVA MFDC Customized Welder For Static Flooring

DB-990-13001



440KVA MFDC Double Heads Automatic Welder For Oil Barrel's Lid With 2X5 Station

DB-440-14019



660KVA MFDC Spot/Press Welder

DB-660-15010



60000J Capacitor Discharge Spot/Press Welder

DR-60000-16001



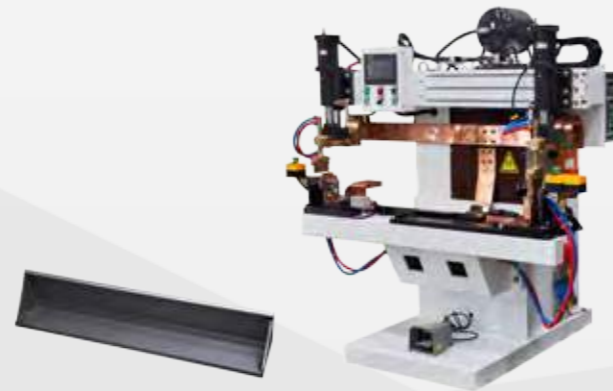
Customized AC Welder For Lamp Holder

ZA0-F14005



80KVA Projection AC Welder For Lamp Shell's Cover

DN-80-15002



■ Welding Equipment For The Home Appliance and Hardware Industry

80KVA Projection Double Heads AC Welder For Lamp's Mounting Frame

DN-80-15003



80KVA Projection Double Heads Ac Welder For Lamp's Shell

DN-80-15001



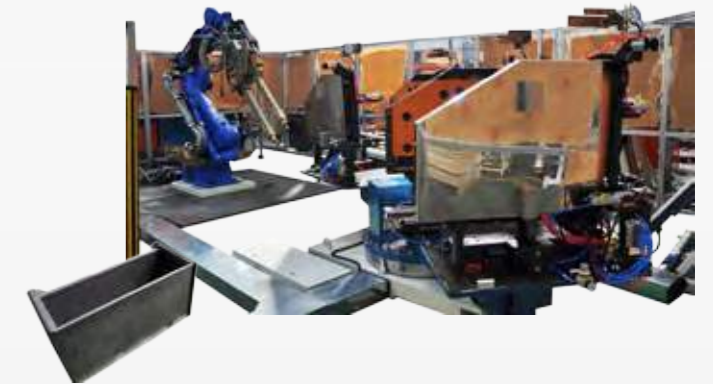
220KVA MFDC Press Welder For Tooling Box

DB-220-15015



Press Welding Robot Workstation For Tooling Box

ZA0-F15011



60000J Capacitor Discharge Spot/Press Welder With 8 Stations

DR-60000-16002



Automatic Welder For Back Plates

ZA0-F15016





## BTM Tog-L-Loc System

We provide the Tog-L-Loc clinch system for the sheet metal clinch, and the power clamper, pin locator for the fixture.



### Typical customers



■ BTM Tog-L-Loc system

5T Clinch Machine

TOG-L-LOC



8T Clinch Machine

ZMY-008-001-16001



10T Clinch Machine

ZMQ-010-001



Hand Held Clinch Gun

ZMY-005-007-12001



Hand Held Clinch Gun

ZMY-005-007-13001



Hand Held Clinch Gun

ZMY-005-007-14001



8T Clinch Machine For Dishwasher's Top Plate And Water Pipe's Bracket

ZMY-008-001-14001



30T Clinch Machine For Dishwasher's Strengthen Rib And Hinge

ZMY-030-001-14002



25T Clinch Machine For Dishwasher's Strengthen Assembly

ZMY-025-001-14001



■ BTM Tog-L-Loc system

50T Clinch Machine For Dishwasher's Liner And Sealed Frame

ZMY-050-001-14001



35T Clinch Machine For Dishwasher's Liner And Strengthen Assembly

ZMY-035-001-14001



80T Clinch Machine For Dishwasher Body Assembly

ZMY-080-001-11001



60T Clinch Machine For Dishwasher Body Assembly

ZMY-060-001-11001



8T Clinch Machine For Dishwasher's Top Plate And Water Pipe's Bracket

ZMY-008-001-14001



30T Clinch Machine For Dishwasher's Strengthen Rib And Hinge

ZMY-030-001-14002



25T Clinch Machine For Dishwasher's Strengthen Assembly

ZMY-025-001-14001



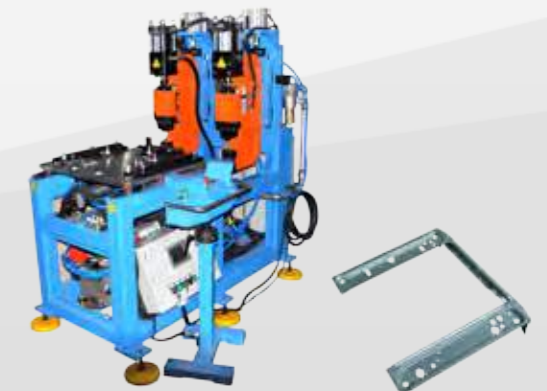
30T Clinch Machine For Dishwasher Body And Bending

ZMY-030-001-11001



20T Clinch Machine For Dishwasher Body Assembly

ZMY-020-001-11001



■ BTM Tog-L-Loc system

50T Clinch Machine For Microwave

ZMY-050-001-12001



30T Clinch Machine For Microwave

ZMY-030-001-12001



10T Punching Machine For Microwave Body

ZMY-010-001-15001



10T Punching Machine For Microwave Door

ZMY-010-001-15002



8T Press Axle For Microwave Door's Hinge

ZMY-008-001-15001



30T Clinch Machine For Microwave

ZMY-030-001-14001



■ BTM Tog-L-Loc system

75T Clinch Machine For Electric Cover

ZMY-075-001-14001



40T Clinch Machine For Electric Cover

ZMY-040-001-15001



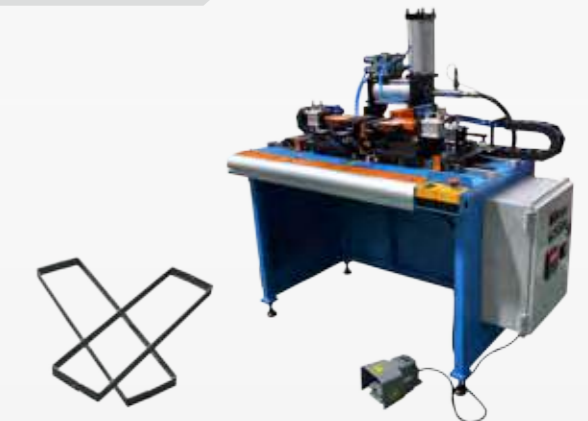
10T Clinch Machine For Shelf

ZMY-010-001-13002



5T Single Spot Clinching And Bending Machine

ZMY-005-001-13002



30T Clinch Machine For Window Glass Lifter

ZMY-030-001-15001



40T Clinch Machine For Solar Panel's Support

ZMY-040-001-15002



■ Resistance Welding Controls

802 inverter transgun control  
(one control controls one gun)

B0823-802-X30-S-5-00



802 inverter transgun control  
(one control controls two guns)

B0823-802-X30-S-13Z



802/803 Inverter Robotic Welding Gun Control

B0823-802-J20-F-1-00



HRC-62 control (Hanging install) (one control controls one gun)

HRC-X62-4-1-00



HRC-62 control (Hanging install) (one control controls two guns)

HRC-X62-4-1-00



Hand-held Programmer

HRC-601-1A-01-00



HRC-61 control (Hanging install)

HRC-X61-3-2-00



HRC-61control (Seat Type Install)

HRC-X61-3-1-00



■ Resistance Welding Controls

HRC-62 control (Seat Type Install)

HRC-X62-2-4-00A



Touch Screen Control For CD Welder

HRC-200-LPM100-A-00  
HRC-220-LPM200-A-00  
HRC-220-LPM100/200-B-00  
HRC-220-LPS100/200-B-00



HRC802 Inverter Control For Pedestal Welder

HRC-802-L100/200/400-A-00  
HRC-802-L100/200/400-B-00



HRC802 Inverter Power

HRC-802-20A/30B/30D/60/120-00



HRC802 Inverter Control For Pedestal Welder With Touch Screen

HRC-802-LPM100/200/400-A-00  
HRC-802-LPS100/200/400-A-00



HRC61 AC Control For Pedestal Welder

DN-80-14013-D1-00



HRC62 AC Control For Pedestal Welder

DN-125-16001-D1-00

