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FLG-200/300/400HD Inverter Fine Plasma Cutting Machine

Product Introduction

plasma cutting machine is a successful breakthrough after thousands of testing & improving with more than 5 years, it is a high definition plasma cutting machine which is suitable for metal cutting such as carbon steel, aluminum, copper, etc. An innovative and original technology of CRCTech* is used in this plasma cutting machine, accurate current control makes excellent cutting quality. Several R&D achievements on this machine have been applied to intellectual property protection.

* CRCTech is current ripple control technology.

Main Features

- The CRCTech* is used on this machine, the ripple of the output current is small, which makes reliable cutting quality and glossy cut
- A specially adjusted torch cooling system with high- power & high lift pump and high-power heat radiation structure, which highly lengthen the consumables working life
- With separate gas input connectors for different gas cutting process, get the best cutting condition for different metal materials
- Excellent high frequency arc ignition controlling technology, separate design of high frequency box and plasma power source, which highly reduces the high frequency interference and get 100% arc starting success rate
- Various of communication control connector, can easily work with different type of CNC control systems



Main Technical Parameters

Item	Unit	Models		
		FLG-200HD	FLG-300HD	FLG-400HD
Input Power	V/Hz	3~380±15% 50/60		
Rated Input Current	A	71	110	155
Rated Input Capacity	KVA	46.8	72.4	102
Rated Output Current/Voltage	A/V	200/200	300/210	400/210
Rated Open Circuit Voltage	V	360	370	
Rated Duty Cycle	-	100% (40℃)		
Efficiency	-	93%		
Power Factor	-	0.92		
Output Current Adjust Range	A	15~200	15~300	15~400
Arc Strike Mode	-	Non-Contact		
Quality Cut Thickness (Carbon Steel)	mm	25	38	50
Piercing Thickness (Carbon steel)	mm	25	38	50
Severance Cut Thickness (Carbon Steel)	mm	50	64	80
Insulation Grade	-	F		
Cooling Mode	-	Air Cooling		
Ingress Protection	-	IP21S		
Dimension (L×W×H)	mm	1060×480×1010	1060×480×1275	
Power Source Net Weight	Kg	140	200	220

Above Technical Specification for Reference Only

LG-125HA/200HA Pro Inverter Automated Plasma Cutting Machine

Main Features

- Special design for CNC cutting machine, with small volume, light weight
- High tech HF control technology which is separate from the power source to reduce the HF interference
- Gas control separate from the power source: shorter gas circuit, more stable gas pressure with good cutting quality
- 100% duty cycle for heavy industry use
- Cutting current up-slope technology to reduce consumption of wearing parts
- With gas pressure detecting and displaying function
- Gas check function for easier adjust of the air pressure
- With automatic protection function of over-heating, overvoltage, lackvoltage and default phase
- LG-125HA with constant pilot arc strike function, which is suitable for grid plate cutting
- LG-200HA Pro with torch cooling system inside, which is with high-lift pump and high power radiator to reduce the loss of wearing parts



Product Application

- Suitable for cutting carbon steel, alloy steel and nonferrous steel

Mian Technical Parameters

Item	Unit	Models	
		LG-125HA	LG-200HA Pro
Input Power	V/Hz	3~380±15% 50/60	
Rated Input Capacity	KVA	21.7	52.3
Rated Input Current	A	33	78
Rated Output Current/Voltage	A/V	125/130	200/200
Rated Opend Circuit Voltage	V	310	360
Rated Duty Cycle	-	100% (40℃)	
Efficiency	-	90%	92%
Power Factor	-	0.82	0.83
Output Current Adjust Range	A	30~125	40~200
Arc Voltage Output Ratio	-	1:1	
Arc Strike Mode	-	Non-Contact	
Plasma Gas	-	Air	Air/N2/O2
Shielding Gas	-	-	Air/N2
Air Pressure	MPa	0.4~0.6	
Quality Cut Thickness(Carbon Steel)	mm	25 (580mm/min)	32 (500mm/min)
Insulation Grade	-	F	
Power Source Cooling Mode	-	Air Cooling	
Ingress Protection	-	IP21S	
Dimension(LxWxH)	mm	670×320×600	875×410×935
Arc Ignition Controller Net Weight	Kg	4.5	7.8
Power Source Net Weight	Kg	49	116

Above Technical Specification for Reference Only

LGK-120/200/300/400HD Inverter Air Plasma Cutting Machine

Main Features

- With plasma torch consumables life monitoring function
- With gas pressure and coolant liquid flow displaying, detecting, warning and controlling function
- The gas pre-flow, post-flow and current up-slope time can be set separately
- With automatic protection of over-heating and lackvoltage
- Error code displaying function
- Intelligent fan is used to reduce the dust
- LGK-120HD with constant pilot arc strike function, which is suitable for grid plate cutting



Product Application

- Suit manual and automated cut for carbon steel, alloy steel and nonferrous steel

Main Technical Parameters

Item	Unit	Models			
		LGK-120HD	LGK-200HD	LGK-300HD	LGK-400HD
Input Power	V/Hz	3~380±15% 50/60			
Rated Input Capacity	KVA	21.2	46.5	70.4	92.3
Rated Input Current	A	32.5	70.9	107	142
Rated Output Current	A	120	200	300	400
Rated Output Voltage	V	128	160	200	200
Rated Open Circuit Voltage	V	308	360	370	370
Rated Duty Cycle	-	100% (40℃)			
Efficiency	-	92%			93%
Power Factor	-	0.78		0.92	
Output Current Adjust Range	A	30~120	40~200	60~300	60~400
Arc Voltage Output Ratio	-	1:1/1:20/1:50/1:100 (Default 1:1)			
Quality Cut Thickness (Carbon Steel)	mm	20 (500mm/min)	32 (500mm/min)	40 (500mm/min)	48 (420mm/min)
Severance Cut Thickness (Carbon Steel)	mm	25 (280mm/min)	45 (250mm/min)	50 (270mm/min)	60 (250mm/min)
Handheld Severance Cut Thickness (Carbon Steel)	mm	45	65	80	90
Plasma gas	-	Compressed Air			
Air Pressure	MPa	0.5~0.8			
Coolant Working Flow	L/min	-	≥2.7		
Torch Cooling Mode	-	Air Cooling	Air Cooling / Water Cooling		
Arc Strike Mode	-	Non-Contact			
Power Source Cooling Mode	-	Air Cooling			
Insulation Grade	-	F			
Ingress Protection	-	IP21S			
Dimension (L×W×H)	mm	675×320×605	863×385×800	985×445×910	1015×445×910
Net Weight	Kg	46	86	129	148

Above Technical Specification for Reference Only

LGK-63/100/120/160/200/300/400 IGBT Inverter Air Plasma Cutting Machine

Main Features

- Soft switch technology with stable cutting current
- High duty cycle for heavy industry use
- Cutting current up-slope technology to reduce loss of wearing parts
- Small volume and light weight which is easy to install on the table of CNC cutting machine
- Use compressed air as protection to save cost
- Accurate cutting current preset and stepless adjust
- Gas check function for easy adjust the air pressure
- Suitable for handhold and automate cut



Product Application

- Suit manual and automated cut for carbon steel, alloy steel and nonferrous steel

Main Technical Parameters

Item	Unit	Models						
		LGK-63IGBT	LGK-100IGBT	LGK-120IGBT	LGK-160IGBT	LGK-200IGBT	LGK-300IGBT	LGK-400IGBT
Input Power	V/Hz	3~380±15% 50/60						
Rated Input Capacity	KVA	9.5	17.8	22.4	32.2	38.8	70.1	94.1
Rated Input Current	A	14.5	27	34	49	71	100	143
Rated Output Current	A	63	100	120	160	200	300	400
Rated Output Voltage	V	106	120	128	144	160	200	200
Rated Open Circuit Voltage	V	300	300	300	315	315	380	380
Rated Duty Cycle	-	60% (40℃)	100% (40℃)					
Output Current Adjust Range	A	30~63	30~100	30~120	40~160	40~200	60~300	60~400
Arc Voltage Output Ratio	-	1:1/1:20/1:50/1:100						
Quality Cut Thickness(Carbon Steel)	mm	0.3~12	0.3~22	0.3~25	1~35	1~45	1~50	1~55
Handheld Severance Cut Thickness(Carbon Steel)	mm	25	40	45	55	65	80	90
Plasma Gas	-	Compressed Air						
Air Pressure	Mpa	0.3~0.5	0.4~0.6				0.45~0.6	
Torch Cooling Mode	-	Air Cooling			Air Cooling/Water Cooling			
Power Source Cooling Mode	-	Air Cooling						
Insulation Grade	-	F						
Ingress Protection	-	IP21S						
Dimension(LxWxH)	mm	585×280×485	695x320x580		800x380x610	800x380x810	890x430x900	930x430x900
Net Weight	Kg	26	51	52	73	82	140	144

Above Technical Specification for Reference Only

LGK-63/100MA Inverter Air Plasma Cutting Machine

Main Features

- Soft switch technology with stable cutting current
- High duty cycle for heavy industry use
- Cutting current up-slope technology to reduce loss of wearing parts
- Use compressed air as protection to save cost
- Gas check function for easy adjust the air pressure
- Suitable for handhold cut



Product Application

- Suit manual cut for carbon steel, alloy steel and nonferrous steel

Main Technical Parameters

Item	Unit	Models	
		LGK-63MA	LGK-100MA
Input Power	V/Hz	3～380±15% 50/60	
Rated Input Capacity	KVA	9.3	15.8
Rated Input Current	A	14.5	24
Rated Open Circuit Voltage	V	265	300
Rated Duty Cycle	-	60% (40℃)	
Efficiency	-	93%	89%
Power Factor	-	0.76	0.85
Output Current Adjust Range	A	30~63	30~100
Quality Cut Thickness(Carbon Steel)	mm	15	25
Severance Cut Thickness(Carbon Steel)	mm	25	40
Arc Strike Mode	-	Contact	Non-Contact
Plasma Gas	-	Compressed Air	
Air Pressure	Mpa	0.3~0.5	0.4~0.6
Torch Cooling Mode	-	Air Cooling	
Power Source Cooling Mode	-	Air Cooling	
Insulation Grade	-	F	
Ingress Protection	-	IP21S	
Dimension (LxWxH)	mm	530×280×485	
Net Weight	Kg	25	30

Above Technical Specification for Reference Only

LGK-120/200IGBT-B Inverter Plasma Gouging / Cutting Machine

Main Features

- High rated duty cycle, specially for heavy industry use
- Wide adaptive capacity of voltage fluctuation
- Good dust-proof design, high reliability
- The gouging current can be preciously pre-set, stepless adjustable
- With air pressure detecting function, highly improve the torch consumable life
- With automatic protection function of over heating, lackvoltage and default phase
- The cutting capacity is as excellent as LGK-120/200IGBT



Product Application

- It's mainly used for gouging carbon steel, stainless steel, aluminum and alloys
- Widely used in shipyard, pressure vessel and steel structure industries

Main Technical Parameters

Item	Unit	LGK-120IGBT-B		LGK-200IGBT-B	
		Gouging	Cutting	Gouging	Cutting
Input Power	V/Hz	3~380±15% 50/60			
Rated Input Capacity	KVA	34.4	22.4	55	46.7
Rated Input Current	A	52.3	34	83.6	71
Rated Output Current	A	120		200	
Rated Output Voltage	V	200	128	200	160
Rated Open Circuit Voltage	V	380			
Rated Duty Cycle	-	100% (40℃)			
Output Current Adjust Range	A	30~120		40~200	
Arc Voltage Output Ratio	-	1:1/1:20/1:50/1:100			
Quality Cut Thickness (Carbon Steel)	mm	-	0.3~25	-	1~45
Severance Cut Thickness (Carbon Steel)	mm	-	45	-	65
Plasma Gas	-	Compressed Air			
Air Pressure	MPa	0.4~0.5	0.4~0.6	0.4~0.5	0.4~0.6
Torch Cooling Mode	-	Air Cooling		Water Cooling	
Power Source Cooling Mode	-	Air Cooling			
Insulation Grade	-	F			
Ingress Protection	-	IP21S			
Dimension (L×W×H)	mm	675x320x605		800x380x810	
Net Weight	Kg	48		83	

Above Technical Specification for Reference Only

HYW-10B Liquid Filter Cooler

Product Introduction

- HYW-10B is liquid filter cooler, specially designed for LGK-HD and LGK-IGBT series Plasma cutting machine
- It has strong cooling power with filter function, can communicate the signal with LGK series plasma cutting machine, if there is over-heating and low liquid level, the LGK plasma cutting machine will be forced to stop working, highly reduce the plasma torch spares consumption
- Only if work with this model cooler, the LGK series plasma cutting machine can work perfectly



Main Technical Parameters

Item	Unit	Model
		HYW-10B
Input Power	V/Hz	1～220±10% 50/60
Rated Input Current	A	2.7
Input Input Capacity	KVA	0.6
Rated Cooling Power	KW	2.1
Rated Max Pressure	MPa	1.4
Liquid Tank Capacity	L	10
Cooling Mode	-	Air Cooling
Insulation Grade	-	IP21S
Dimension (L*W*H)	mm	750×450×665
Net Weight	Kg	50

Above Technical Specification for Reference Only

MZ-630/1000/1250IGBT Inverter Automatic Submerged Arc Welding Machine

Main Features

- Weld penetration control technology
- Soft switch technology design with good welding performance
- 30% weight, 50% volumn, 80% input capacity of the traditional machine
- High duty cycle design suitable for heavy industry
- CC/CV mode selection
- Welding current and voltage digital display
- Power source can be used for SAW, band strip welding, as well as MMA, Gouging and electrode slag welding



Product Application

- Suitable for stainless steel, carbon steel and its alloy

Main Technical Parameters

Item		Unit	Models		
			MZ-630IGBT	MZ-1000IGBT	MZ-1250IGBT
Power Source	Input Power	V/Hz	3~380±15% 50/60		
	Rated Input Capacity	KVA	33	53	66
	Rated Input Current	A	50	80	100
	Rated Output Current	A	630	1000	1250
	Rated Output Voltage	V	44		
	Rated Open Circuit Voltage	V	80	76	76
	Rated Duty Cycle	-	100% (40℃)		
	Efficiency	-	87%	94%	88%
	Power Factor	-	0.92	0.94	0.93
	Output Current Adjust Range	A	60~630	100~1000	100~1250
	Depth of Fusion Adjust	-	From Shallow to deep : DC、A、B、C、D (A is the standard)		
	Cooling Mode	-	Air Cooling		
	Insulation Grade	-	F		
	Ingress Protection	-	IP21S		
	Dimension (LxWxH)	mm	676×335×625	795×410×835	
	Net Weight	Kg	68	97	98
Tractor	Suited Wire Diameter	mm	Ø2、Ø2.5、Ø3	Ø3、Ø4、Ø5	Ø3、Ø4、Ø5、Ø6
	Wire Feed Speed Adjust Range	cm/min	135~600	15~117	
	Welding Speed Adjust Range	cm/min	0~170		
	Welding Head Vertical Adjust Range	mm	93		
	Welding Head Horizontal Adjust Range	mm	±30		
	Crutch Vertical Adjust Range	mm	140		
	Wheel Tread	mm	300		
	Wheel Base	mm	350		
	Flux Capacity	L	10		
	Dimension (LxWxH)	mm	1010x580x930		
	Net Weight	Kg	52		

Above Technical Specification for Reference Only

MZ-1000/1250/1600 Thyristor Controlled Automatic Submerged Arc Welding Machine

Main Features

- High duty cycle design, suitable for heavy industry
- High arc strike success
- PWM technology adjust the wire feed and tractor move speed, accurate control the speed
- Energy saving design, power source will be off if no arc strike within 30 min
- CC/CV mode selection
- Welding current and voltage digital display
- Power source can be used for SAW, strip cladding, as well as MMA, Gouging and electrode slag welding

Product Application

- Suitable for stainless steel, carbon steel and its alloy



Main Technical Parameters

Item		Unit	Models		
			MZ-1000	MZ-1250	MZ-1600
Power Source	Input Power	V/Hz	3～380±10% 50/60		
	Rated Input Capacity	KVA	69	83	106
	Rated Welding Current	A	105	126	161
	Rated Output Current	A	1000	1250	1600
	Rated Output Voltage	V	44		
	Rated Open Circuit Voltage	V	75		
	Rated Duty Cycle	-	100% （40℃）	60% （40℃）	
	Output Current Adjust Range	A	100~1000	100~1250	200~1600
	Cooling Mode	-	Air Cooling		
	Insulation Grade	-	F		
	Ingress Protection	-	IP21S		
	Dimension（LxWxH）	mm	950×650×810		
	Net Weight	Kg	370	370	390
Tractor	Suited Wire Diameter	mm	Ø3、Ø4、Ø5	Ø3、Ø4、Ø5、Ø6	Ø3、Ø4、Ø5、Ø6
	Wire Feed Speed Adjust Range	cm/min	15~117		
	Welding Speed Adjust Range	cm/min	0~170		
	Welding Head Vertical Adjust Range	mm	93		
	Welding Head Horizontal Adjust Range	mm	±30		
	Crutch Vertical Adjust Range	mm	140		
	Wheel Tread	mm	300		
	Wheel Base	mm	350		
	Flux Capacity	L	10		
	Dimension（LxWxH）	mm	1010x580x930		
	Net Weight	Kg	52		

Above Technical Specification for Reference Only

ZDE7-1200HD Inverter AC/DC Submerged Welding Power Source

Product Introduction

ZDE7-1200HD is a digital controlled AC/DC submerged welding power source, has complete functions of submerged arc welding machines with advanced control technology, work well for different SAW welding process.

Main Features

- Polarity and parameters can be set on the panel, four different welding process is available
- The AC square wave controlling technology is adopted, with high success rate of the arc starting, more stable arc
- Three AC output parameters of frequency, wave shape balance and DC bias can be separately adjust



Product Application

- It's mainly used on single wire, tandem wire and triple wires submerged arc welding process
- Compare with traditional SAW welding power source, this model has faster welding speed, higher weld quality and efficiency
- It is widely used in steel structure building, bridge, shipyard and boillers, etc

Main Technical Parameters

Item	Unit	Model
		ZDE7-1200HD
Input Power	V/Hz	3~380±10% 50
Rated Input Capacity	KVA	63.8
Rated Input Current	A	104
Rated Output Current	A	1200
Rated Output Voltage	V	44
Rated AC Output Current/Volatge Range	-	100A/20V ~ 1200A/44V
Rated Open Circuit Voltage	V	92
Rated Duty Cycle	-	100% (40℃)
Efficiency	-	78%
Power Factor	-	0.91
Wave Shape Balance	%	25 ~ 75
DC Bias	%	25 ~ 75
Cooling Mode	-	Air Cooling
Insulation Grade	-	F
Ingress Protection	-	IP21S
Dimension (L*W*H)	mm	930x470x1250
Net Weight	Kg	180

Above Technical Specification for Reference Only

MZE-1250 Automatic AC/DC Submerged Arc Welding Machine

Main Features

- Power source can be used for AC single wire, DC single wire, strip cladding as well as Tandem SAW or multi-wire welding
- Welding Current DECP/DCEN ratio adjustable, deposition efficiency is 1.5 times higher than DC SAW
- High duty cycle design suitable for heavy industry
- Remote control/local control selection
- Welding Current/welding voltage digital display



Product Application

- Suitable for stainless steel, carbon steel and its alloy

Main Technical Parameters

Item			Unit	Model MZE-1250
Power Source	Input power		V/Hz	3～380±10% 50
	Rated Input Capacity		KVA	125
	Rated Input Current		A	190
	Rated Output Current		A	1250
	Rated Output Voltage		V	44
	Rated Open Circuit Voltge		V	AC80、DC85
	Rated Duty Cycle	AC	-	100% （40℃）
		DC	-	60% （40℃）
	Output Current Adjust Range		A	250~1250
	AC Frequency		Hz	10
	DCEP/DCEN Ratio Adjust Range		-	36%、50%、64%
	Cooling Mode		-	Air Cooling
	Insulation Grade		-	F
	Ingress Protection		-	IP21S
	Dimension（LxWxH）		mm	780×665×1370
	Net Weight		Kg	606
Tractor	Suited Wire Diameter		mm	Ø3、Ø4、Ø5、Ø6
	Wire Feed Speed Adjust Range		cm/min	15~117
	Welding Speed Adjust Range		cm/min	0~170
	Welding Head Vertical Adjust Range		mm	93
	Welding Head Horizontal Adjust Range		mm	±30
	Crutch Vertical Adjust Range		mm	140
	Wheel Tread		mm	300
	Wheel Base		mm	350
	Flux Capacity		L	10
	Dimension（LxWxH）		mm	1010x580x930
	Net Weight		Kg	52

Above Technical Specification for Reference Only

MZS-3 Automatic Tandem AC/DC Submerged Arc Welding Machine

Main Features

- One set of ZD5 or ZD7 power source work with the ZDE7-1200HD or ZDE-1250 can get two times higher efficiency compare with the single wire welding
- Two working mode: Single DC wire welding or Tandem AC/DC welding (DC in front, AC follow)
- Welding head can work with the gantry frame to get automatic welding process

Product Application

- Suitable for stainless steel, carbon steel and it's alloy



Main Technical Parameters (Trolley)

Item	Unit	Parameters
Suited Wire Diameter	mm	Ø2、Ø2.5、Ø3、Ø4、Ø5、Ø6
Wire Feeding mode	-	CC/CV
Wire Feeding Speed Adjust Range	cm/min	30~300
Welding Speed Adjust Range	cm/min	0~140
Welding Head Vertical Adjust Range	mm	100
Welding Head Horizontal Adjust Range	mm	±30
Crutch Vertical Adjust Range	mm	100
Wheel Thread	mm	342
Wheel Base	mm	300
Distance Between Two Arc	mm	25~80
Angle Of Two Arc	-	0°~25°
Flux Capacity	L	6x2
Dimension (L*W*H)	mm	1100x850x940
Net Weight	Kg	71

Above Technical Specification for Reference Only

NB-350/500/630HD Inverter Gas Shielded Arc Welding Machine

Main Features

- High duty cycle design, suitable for heavy industry use
- Digital control and soft switch technology with good reliability
- Advanced adaptive control system, the arc characteristic can be matched with the wire type and wire diameter automatically.
- Accurate preset the welding parameters and control the welding performance
- The power devices and connectors dealt by anti-dust, anti-humid and anti-salty measurements
- Double drive, four roller wire feeder to get wire feed more stable wire feed
- Welding parameters preset, storage and selection function
- Reserved remote control connector, which the welding parameters can be controlled and managed by the computer
- With over voltage/lack voltage/ lack phase/overheat automatic protection function
- NB-630HD suitable for carbon gouging



Product Application

- Suitable for low carbon steel and its alloy, aluminum and its alloy, copper and its alloy, stainless steel, etc.

Main Technical Parameters

Item	Unit	Models		
		NB-350HD	NB-500HD	NB-630HD
Input Power	V/Hz	3~380±15% 50/60		
Rated Input Capacity	KVA	18	24.7	36.2
Rated Input Current	A	27	38	55
Rated Output Current	A	350	500	630
Rated Output Voltage	V	31.5	39	44
Rated Open Circuit Voltage	V	74	82	80
Rated Duty Cycle	-	100% (40℃)		
Efficiency	-	89%		
Power Factor	-	0.75	0.9	
Output Current Adjust Range	A	40~350	60~500	60~630
Output Voltage Adjust Range	V	14~40	16~50	16~50
Wire Feed Speed Adjust Range	m/min	1.3~20		
Suited Wire Diameter	mm	Ø0.8、Ø1.0、Ø1.2	Ø1.0、Ø1.2、Ø1.6	Ø1.0、Ø1.2、Ø1.6
Cooling Mode	-	Air Cooling		
Insulation Grade	-	F		
Ingress Protection	-	IP21S		
Dimension (LxWxH)	mm	550×295×545	630×295×545	690×320×570
Net Weight	Kg	32	39	54

Above Technical Specification for Reference Only

NB-350/500/630IGBT Inverter Gas Shielded Arc Welding Machine

Main Features

- Soft switch technology
- With stick welding function
- 100% duty cycle design for heavy industry use
- With high voltage and slow wire feed arc strike technology
- Good F.T.T ball eliminating function
- Accurate arc voltage and current feedback control circuit
- Crater filling when welding finish to improve weld appearance quality.
- With wire diameter, check gas selection function
- Crater current, crater voltage and arc characteristic separate adjust function
- Overload/lack voltage automatic protection function
- NB-630IGBT suitable for carbon gouging



Product Application

- Suitable for low carbon steel and its alloy, aluminum and its alloy, copper and its alloy, stainless steel,etc.

Main Technical Parameters

Item	Unit	Models		
		NB-350IGBT	NB-500IGBT	NB-630IGBT
Input Power	V/Hz	3～380±15% 50/60		
Rated input Capacity	KVA	16.5	26.3	36.2
Rated Input Current	A	25	40	55
Rated Output Current	A	350	500	630
Rated Output Voltage	V	31.5	39	44
Rated Open Circuit Voltage	V	74	80	
Rated Duty Cycle	-	100% (40℃)		
Output Current Adjust Range	A	60~350	60~500	60~630
Output Voltage Adjust Range	V	16~40	16~50	16~50
Wire Feed Speed Adjust Range	m/min	1.3~20		
Suited Wire Diameter	mm	Ø0.8、Ø1.0、Ø1.2	Ø1.0、Ø1.2、Ø1.6	
Cooling Mode	-	Air Cooling		
Insulation Grade	-	F		
Ingress Protection	-	IP21S		
Dimension(LxWxH)	mm	570×290×530	640x290x530	690×320×570
Net Weight	Kg	32	39	54

Above Technical Specification for Reference Only

NB-350/500IGBT Pro Inverter Gas Shielded Arc Welding Machine

Main Features

- A digital controlled welding machine, adopting inverter soft switch technology
- The control board parts are adopted advanced sheet-contact process, with high stability and low failure rate
- The latest technology IGBT modules and rectifier diodes are used on the machine, with good reliability
- Accurate arc voltage and current feedback control circuit, the welding processes is stable with little spatter and good performance
- With crater filling function when welding finish to improve the crater welding seam quality
- Adopting PWM inverter technology, frequency reaches 20KHz, the machine is with fast reaction
- With automatic protection function of over-heating, over pressure, lack pressure and default phase
- Lighter weight, smaller size and more user-friendly design, easy to operate



Product Application

- It is widely used for all steel welding, especially suitable for heavy industries like construction, bridge construction, automobile, ship building and machinery, etc.

Main Technical Parameters

Item		Unit	Models	
			NB-350IGBT Pro	NB-500IGBT Pro
Input Power		V/Hz	3~380±15% 50 / 60	
Rated Input Capacity	MIG/MAG	KVA	17.4	23.8
	MMA	KVA	17.8	24.4
Rated Input Current	MIG/MAG	A	27	36
	MMA	A	27	37
Rated Output Current		A	350	500
Rated Output Voltage		V	31.5	39
Rated Open Circuit Voltage		V	69	83
Rated Duty Cycle		-	60% (40℃)	
Efficiency	MIG/MAG	-	88%	89%
	MMA	-	89%	89%
Power Factor	MIG/MAG	-	0.72	0.92
	MMA	-	0.75	0.92
Output Current Adjust Range	MIG/MAG	A	40~350	60~500
	MMA	A	60~350	60~500
Output Voltage Adjust Range	MIG/MAG	V	14~40	16~50
Starting Current Adjust Range		A	40~350	60~500
Starting Voltage Adjust Range		V	16~31.5	16~39
Crater Current Adjust Range		A	40~350	60~500
Crater Voltage Adjust Range		V	16~31.5	16~39
Wire Feeding Speed		m/min	1~22	
Suitable Wire Diameter		mm	Ø0.8、Ø1.0、Ø1.2	Ø1.0、Ø1.2、Ø1.6
Cooling Mode		-	Air Cooling	
Insulation Grade		-	F	
Ingress Protection		-	IP21S	
Dimension (L×W×H)		mm	520×295×550	560×295×550
Power Source Net Weight		Kg	28	32

Above Technical Specification for Reference Only

NB-350/500MK Inverter Gas Shield Arc Welding Machine

Main Features

- User friendly interface, easier parameters set and operation
- Arc characteristic is adjustable, suit for more different welding condition
- Base current and voltage can be separately set, get easier welding operation
- With gas checking function, easy to set the gas flow
- With protection function of over heating and lackvoltage, get more stable operation
- Higher distance of the output terminals, more suitable for site working condition

Product Application

- Suitable for carbon steel industries which use CO_2 /MAG welding process,specially used in building, bridge steel sructure, project machinery, etc



Main Technical Parameters

Item	Unit	Models	
		NB-350MK	NB-500MK
Input Power	V/Hz	3~380±15% 50/60	
Rated Input Capacity	kVA	17.4	23.8
Rated Input Current	A	26.5	36.2
Rated Output Current	A	350	500
Rated Output Voltage	V	31.5	39
Rated Open Circuit Voltage	V	69	83
Rated Duty Cycle	-	60% (40℃)	
Efficiency	-	87%	89%
Power Factor	-	0.73	0.92
Output Current Adjust Range	A	40~350	60~500
Output Voltage Adjust Range	V	14~40	14~50
Wire Feeding Speed Adjust Range	m/min	1~22	
Suited Wire Diameter	mm	Ø0.8、Ø1.0 、Ø1.2	Ø1.0、Ø1.2 、Ø1.6
Cooling Mode	-	Air Cooling	
Insulation Grade	-	F	
Ingress Protection	-	IP21S	
Dimension (L*W*H)	mm	520×295×550	560×295×570
Net Weight	Kg	28	32

Above Technical Specification for Reference Only

NB-250LB/315LB/250LT/315LT Inverter Gas Shield Arc Welding Machine

Main Features

- Fast arc striking, low welding spatter, rapid wire feeding response and excellent spot welding performance
- Adopting SMT circuit and soft switch technology
- Unique design of arc voltage / current feedback control circuit, with very stable welding performance
- With ball-eliminating function, the wire feeding speed can reach m/min
- The arc characteristic is adjustable from “soft” to“hard”for different welding skill
- Model NB-250/315LB, the welding current and voltage can be adjusted on the wire feeder, easy to operate
- Model NB-250/315LT, the wire feeder is inside built the machine, with wheels and optional gas cylinder frame, easy to operate
- With automatic over-heating function



* Gas cylinder bracket is optional

Product Application

- Suitable for the solid wire Φ0.8 and Φ1.0, used for the welding of low carbon steel, medium carbon steel and alloy carbon steel;
- It’s widely used in the industry of motors, motorcycles, furniture and so on.



Main Technical Parameters

Item	Unit	Models			
		NB-250LB	NB-315LB	NB-250LT	NB-315LT
Input Power	V / Hz	3～380±15% 50 / 60			
Rated Input Capacity	KVA	10.5	13.2	10.5	13.2
Rated Input Current	A	16	20	16	20
Rated Output Current	A	250	315	250	315
Raed Input voltage	V	26.5	29.8	26.5	29.8
Rated Open Circuit Voltage	V	68		66	
Raed Duty Cycle	-	35% (40℃)			
Efficiency	-	85%	86%	85%	86%
Power Factor	-	0.74	0.85	0.74	0.75
Output Voltage Adjust Range	V	15～32			
Wire Feeding Speed Adjust Range	m/min	1.5～28			
Suited Wire Diameter	mm	Ø0.8、Ø1.0			
Cooling Mode	-	Air Cooling			
Insulation Grade	-	F			
Ingress Protection	-	IP21S			
Dimension (L*W*H)	mm	520×260×495		640×300×645	
Net Weight	Kg	20	21	38	39

Above Technical Specification for Reference Only

NZ-IV Automatic Gas Shielded Welding Tractor

Main Features

- Adopting single chip(MCU) control, step motor drive, the torch swing parameters are accurate
- With four roller drive motor to get stable wire feed
- Welding current, welding voltage and welding speed is easy to adjust
- Swing speed, swing angle, stop time, crater time parameter separately adjust
- Digital display
- Parameter storage and selection function



Product Application

- Work with the MIG welding power source for mid and thick plate and corner welding
- Widely used on steel structure, ship building, pressure vessel, pipe industries and so on

Main Technical Parameters

Item	Unit	Model
		NZ-IV
Input Power	V/Hz	1~ 380V±15% 50/60
Suited Wire Diameter	mm	Ø1.0、Ø1.2、Ø1.6
Wire Feed Mode	-	Constant Speed Wire Feed
WireFeed Speed Adjust Range	m/min	1~18
Welding Speed Adjust Range	cm/min	0~230
Torch Vertical Adjust Range	mm	100
Torch Horizontal Adjust Range	mm	100
Torch Back-Forth Slit Angle	-	±45°
Torch Left-Right Slit Angle	-	±55°
Swing Speed	-	0~360 rad/min
Swing Angle	-	0°~10°
Left Stop Time Adjust Range	S	0~5.0
Mid Stop Time Adjust Range	S	0~5.0
Right Stop Time Adjust Range	S	0~5.0
Arc Crater Time Adjust Range	S	0.0~5.0
Channel Selection	-	With Nine Sets Parameter Channel
Power Source Selection	-	NB-IGBT, NB-HD Series
Wheel Tread	mm	300
Wheel Base	mm	350
Dimension(LxWxH)	mm	720x670x1100
Net Weight	Kg	38

Above Technical Specification for Reference Only

WSE-315LD/315MD/500HD Inverter AC/DC Pulsed Argon Arc Welding Machine

Main Features

- Digital control technology
- With complete required characteristics of DC TIG welding and AC TIG welding
- All the parameters of TIG and MMA can be preset, saved and selected
- Optional 2 steps/4 steps/special 4 steps functions
- With gas checking function, easy for argon gas flow adjust
- With complete protection function of lackvoltage, default phase, over heating and water cooling abnormal
- WSE-315LD/315MD with reserved pedal controller connector, WSE-500HD with parallel connector

Product Application

- Suitable for carbon steel, stainless steel, aluminum and it's alloy, copper and it's alloy, heat resistant steel, titanium alloy, magnesium alloy, etc



Mian Technical Parameters

Item		Unit	Models		
			WSE-315LD	WSE-315MD	WSE-500HD
Input Power		V/Hz	3~ 380±15% 50 / 60		
Rated Input Capacity		KVA	14.5	13.8	25
Rated Input Current		A	22	21	38
Rated Output Current		A	315	315	500
Rated Output Voltage		V	22.6	22.6	30
Rated Open Circuit Voltage		V	70	72	72
Rated Duty Cycle		-	25%	35%	60%
Efficiency		-	72%	68%	72%
Power Factor		-	0.69	0.81	0.84
Hot Start Current Adjust Range	AC	A	20~315	20~315	20~500
	DC	A	10~220	10~250	10~350
Welding Current Adjust Range	AC	A	20~315	20~315	20~500
	DC	A	10~220	10~250	10~350
Pulse Current Adjust Range	AC	A	20~315	20~315	20~500
	DC	A	10~220	10~250	10~350
Background Current Adjust Range	AC	A	20~315	20~315	20~500
	DC	A	10~220	10~250	10~350
Crater Current Adjust Range	AC	A	20~315	20~315	20~500
	DC	A	10~220	10~250	10~350
Pulse Frequency Adjust Range		Hz	0.2~99.9		
Pulse Duty Cycle Adjust Range		%	10%~90%		
AC Frequency Adjust Range		Hz	20~200		
AC Wave Balance Adjust Range		-	-40~40		
Current Up-slope Time Adjust Range		S	0~10		
Current Down-slope Time Adjust Range		S	0~10		
Gas Pre Flow Time Adjust Range		S	0~10		
Gas Post Flow Time Adjust Range		S	0~20		
Dimension (LxWxH)		mm	635×290×555	705×350×650	725×385×785
Net Weight		Kg	38	52	70

Above Technical Specification for Reference Only

WS(M)-400/500HD Inverter(Pulse) Argon Arc Welding Machine

Main Features

- High rated duty cycle which is very suitable for heavy industry use
- With complete protecting and indicating function
- Digital control to get accurate welding parameter
- With 20 channels of parameter storage and selection
- Accurate welding parameter preset function
- With excellent stick welding function
- WSM Series with pulse function, which makes good strength of arc
- Remote network management is available



Product Application

- Suitable for welding stainless steel, pipelines, boilers some others metals
- It is widely used in electric power construction, chemical construction, oil field construction and heavy industry which requires frequent moving in bad environment

Main Technical Parameters

Item	Unit	Models			
		WS(M)-400HD		WS(M)-500HD	
		TIG	MMA	TIG	MMA
Inout Power	V/Hz	3~380±15% 50/60			
Rated Input Capacity	KVA	15.1	21.1	22.4	27.8
Rated Input Current	A	23	32	34	42
Rated Output Current	A	400	400	500	500
Rated Output Voltage	V	26	36	30	40
Rated Open Circuit Voltage	V	75	75	81	81
Power Factor	-	0.84	0.82	0.81	0.84
Efficiency	-	83.1%	85.9%	83.9%	86.3%
Rated Duty Cycle	-	60% （40℃）			
Hot Start Current Range	A	-	0~120	-	0~120
Arc Force Current Range	A	-	0~120	-	0~120
Current Up Slope Time	S	0~10	-	0~10	-
Current Down Slope Time	S	0~10	-	0~10	-
Gas Pre-flow Time	S	0~5	-	0~5	-
Gas Post-flow Time	S	0~20	-	0~20	-
Arc Striking Currenrt Range	A	5~400	-	5~500	-
Output Current Range	A	5~400	5~400	5~500	5~500
Crater Current Range	A	5~400	-	5~500	-
Pulse Peak Current Range	A	5~400	-	5~500	-
Pulse Background Current Range	Hz	0.2~99.9	-	0.2~99.9	-
Pulse Frequency Range	-	5~95%	-	5~95%	-
Cooling Mode	-	Air Cooling			
Insulation Grade	-	F			
Ingress Protection	-	IP21S			
Dimension (L×W×H)	mm	570×295×555		640×295×555	
Power Source Net Weight	Kg	35		41	

Above Technical Specification for Reference Only

WS(M)-315/400IGBT Pro Inverter (Pulse) Argon Arc Welding Machine

Main Features

- A digital controlled welding machine, adopting inverter soft switch technology
- The latest technology IGBT modules and rectifier diodes are used on the machine, with good reliability
- With excellent MMA welding function, the hot start current and arc force current can be adjusted separately
- Accurate welding control, with excellent arc striking
- Lighter weight, smaller size and more user-friendly design, easy to operate
- With automatic protection function of over-heating, over pressure, lack pressure and default phase
- All the welding parameters can be preset, stored and called out, with 2 steps and 4 steps function selection

Product Application

- It's mainly used for welding carbon steel, stainless steel, copper and its alloy, heat resistant steel, titanium alloy, etc
- It is widely used in electric power construction, chemical construction, oil field construction and heavy industry which requires frequent moving in bad environment



Mian Technical Parameters

Item		Unit	Models			
			WS-315IGBT Pro	WSM-315IGBT Pro	WS-400IGBT Pro	WSM-400IGBT Pro
Input Power		V/Hz	3~380±15% 50 / 60			
Rated Input Capacity	TIG	KVA	11.3		14.7	
	MMA	KVA	14.7		19.5	
Rated Input Current	TIG	A	17		22	
	MMA	A	22		30	
Rated Output Voltage	TIG	V	22.6		26	
	MMA	V	32.6		36	
Rated Open Circuit Voltage		V	64		73	
Rated Duty Cycle		-	35% (40℃)			
Efficiency	TIG	-	81%		89%	
	MMA	-	86%		91%	
Power Factor	TIG	-	0.77		0.79	
	MMA	-	0.81		0.81	
Hot Start Current Range	MMA	A	0~120			
Arc Force Current Range	MMA	A	0~120			
Gas Pre-flow Time		S	0~5			
Gas Post-flow Time		S	0~20			
Current Up-slope Time Range		S	0~10			
Current Down-slope Time Range		S	0~10			
Arc Striking Current Range		A	5~315		5~400	
Output Current Range		A	5~315		5~400	
Crater Current Range		A	5~315		5~400	
Pulse Peak Current Range		A	/	5~315	/	5~400
Pulse Background Current Range		A	/	5~315	/	5~400
Pulse Frequency Range		Hz	/	0.2~99.9	/	0.2~99.9
Pulse Duty Ratio Range		-	/	10%~90%	/	10%~90%
Cooling Mode		-	Air Cooling			
Insulation Grade		-	F			
Ingress Protection		-	IP21S			
Dimension (L×W×H)		mm	520×260×495			
Power Source Net Weight		Kg	23		26	

Above Technical Specification for Reference Only

RSN-1600/2500/3150HD Inverter Drawn Arc Stud Welding Machine

Main Features

- Digital control, soft switch technology, light weight and small volume, easy for move
- Welding current/welding time digital control, accurate to control the weld heating
- Welding gun testing function to check the welding gun work before welding
- Auto/Manual selection function, which suitable for multi-layer penetration welding
- With stick welding function
- Digital display for welding current and time
- With remote control connector which can be controlled by computer



Product Application

- Suitable for carbon steel and stainless steel stud welding

Main Technical Parameters

Item	Unit	Models		
		RSN-1600HD	RSN-2500HD	RSN-3150HD
Input Power	V/Hz	3～380±15% 50/60		
Rated Input Capacity	KVA	73.5	107	145
Rated Input Power	KW	69	94	126
Rated Input Current	A	112	162.5	220
Rated Input Voltage	V	32		
Efficiency	-	74%	80%	82%
Power Factor	-	0.94	0.88	0.94
Welding Current Adjust Range	A	160~1600	250~2500	315~3150
Welding Time Adjust Range	S	0.01~9.99		
Suited Stud Diameter	mm	Ø6~Ø19	Ø6~Ø25	Ø6~Ø30
Suited Stud Length	mm	≤400		
Welding Productivity	pcs/min	16~25		
Cooling Mode	-	Air Cooling		
Insulation Grade	-	F		
Ingress Protection	-	IP21S		
Dimension(LxWxH)	mm	680×335×625	780×390×800	780×390×800
Net Weight	Kg	50	105	107

Above Technical Specification for Reference Only

RSR-2500 Condenser Discharge Stud Welding Machine

Main Features

- Low power capacity, short welding time and small heat deformation, very suitable for stud welding on thin plate
- Adopt current-limiting charging technology, which highly reduces the impact of the power network
- The charging voltage of condenser is stable, with good uniformity of storage energy
- Use top quality elements, with small size and light weight, easy to move
- Digital display, with protection function of over charging

Product Application

- It's mainly used for welding small studs of carbon steel/alloy, stainless steel, copper/alloy, aluminum/alloy



Main Technical Parameters

Item		Unit	Model
			RSR-2500
Input Power		V/Hz	1~220±10% 50/60
Rated Storage Energy		J	2500
Power Capacity		VA	≤1000
Output Voltage Adjust Range		V	60~190
Suitable Stud Diameter	Steel	mm	Ø4~Ø10
	Copper/Aluminum	mm	Ø3~Ø8
Welding Efficiency		n/min	12~5
Cooling Mode		-	Air Cooling
Insulation Grade		-	F
Ingress Protection		-	IP21S
Dimension(L×W×H)		mm	490×260×405
Net Weight		Kg	36

Above Technical Specification for Reference Only

ZX7-400/500/630HD Inverter DC Arc Welding Machine

Main Features

- High duty cycle design, suitable for heavy industry use
- Digital control and soft switch technology with good reliability
- Particular anti-electric shock protection function
- Digital display
- With welding current, arc force and hot start current preset, storage and selection function
- Reserved remote control connector, which the welding parameters can be controlled and managed by the computer
- With over voltage/lack voltage/ lack phase/overheat automatic protection function
- ZX7-630HD suitable for carbon gouging



Product Application

- Suitable for low carbon steel, mild carbon steel, alloy steel and stainless steel

Main Technical Parameters

Item	Unit	Models		
		ZX7-400HD	ZX7-500HD	ZX7-630HD
Input Power	V/Hz	3～380±15% 50/60		
Rated Open Circuit Voltage	V	83.5		
Rated Input Capacity	KVA	16.5	25.1	34.5
Rated Input Current	A	25	38.2	52
Rated Duty Cycle	-	60% (40℃)		
Efficiency	-	86%	87%	89.00%
Power Factor	-	0.89	0.91	0.92
Output Current Adjust Range	A	10～400	10～500	10～630
Arc Force Current Adjust Range	A	0～120		
Hot Start Current Adjust Range	A	0～120		
Suited Electrode Diameter	mm	≤Φ6		
Cooling Mode	-	Air Cooling		
Insulation Grade	-	F		
Ingress Protection	-	IP21S		
Dimension(LxWxH)	mm	570×290×540	630×290×540	630×290×540
Net Weight	Kg	38	42	43

Above Technical Specification for Reference Only

ZX7-400IGBT Pro / ZX7-400MB Pro Inverter DC Arc Welding Machine

Main Features

- Adopts soft switch technology, world famous brand components
- Use the latest technology IGBT module, reliable and durable
- Current presetting function, high efficiency and energy-saving
- Dispensing technology is used on the control board, with very low failure rate of the PCB
- Automatic compensation function of input voltage fluctuating
- Protection function of over-voltage, lackvoltage and overheat
- Good dynamic characteristic, stable arc, nice weld appearance, low spatter
- ZX7-400MB Pro is an ideal replacement of traditional AC welding machine

Product Application

- It's mainly used to weld kinds of low carbon steel, medium carbon steel, alloy steel and the stainless steel; Use both acid electrode and basic electrode
- It's widely used in industrial equipment installation, electric construction, oil construction, mechanical parts manufacturing, and pressure vessel fabrication and so on



Main Technical Parameters

Item	Unit	Models	
		ZX7-400IGBT Pro	ZX7-400MB Pro
Input Power	V/Hz	3～380V±15% 50/60	
Input Capacity	KVA	19.7	14.5
Rated Input Current	A	30	22
Rated Open Circuit Voltage	V	81	64
Rated Duty Cycle	-	35% (40℃)	
Efficiency	-	87%	
Power Factor	-	0.88	
Output Current Adjust Range	A	20～400	20～330
Arc Force Current Adjust Range	A	0～150	
Hot Start Current Adjust Range	A	0～120	
Suited Electrode diameter	mm	≤Φ6	≤Φ5
Cooling Mode	-	Air Cooling	
Insulation Grade	-	F	
Ingress Protection	-	IP21S	
Dimension (L×W×H)	mm	520×260×495	425×260×495
Net Weight	Kg	23	18

Above Technical Specification for Reference Only

ZX7-250LS Inverter DC Arc Welding Machine

Main Features

- Double voltage of AC220V and AC380V auto-adaptation, easy to use in different site
- Automatic voltage compensation suit for voltage fluctuation;
- Automatic protect function for low input voltage and overload
- Good characteristic and stable arc with little spatter and good performance
- Suitable for kinds of acid electrode and basic electrode
- Automatic protection function on over-heating
- Portable size and light weight, easy to move and operate

Product Application

- Main used for welding low carbon steel, medium carbon steel alloy steel and stainless steel



Main Technical Parameters

Item	Unit	Model	
		ZX7-250LS	
Input Power	V/Hz	1~220±15% 50/60	1~380±15% 50/60
Rated Input Capacity	KVA	11.2	12.2
Rated Input Current	A	51	32
Rated Open Circuit Voltage	V	79	68
Rated Duty Cycle	-	25% (40℃)	
Efficiency	-	83%	85%
Power Factor	-	0.8	0.73
Output Current Adjust Range	A	20~250	
Suited Electrode Diameter	mm	≤Ø4	
Cooling Mode	-	Air Cooling	
Insulation Grade	-	F	
Ingress Protection	-	IP21S	
Dimension (L*W*H)	mm	460×250×420	
Net Weight	Kg	14	

Above Technical Specification for Reference Only

ZX7-1000HD Inverter Air Gouging Machine

Main Features

- Big power with strong output current, specially design for carbon air gouging
- 100% rated duty cycle, suited for working in heavy industry
- Digital control with soft switch inverter technology, equip with international first-class brand key components, very good reliability
- Intelligent fan is used to reduce the dust
- With anti-electric shock function
- Parameters can be preset, saved, and selected, easy to operate
- With automatic protection function of lackvoltage, default phase and over heating
- With Excellent MMA function



Product Application

- It is mainly used in welding rooting, making groove, removing the welding flaws, on different materials of carbon steel, low carbon steel, stainless steel, cast iron, aluminum alloy and so on.

Main Technical Parameters

Item	Unit	Model
		ZX7-1000HD
Input Power	V/Hz	3~380±15% / 50/60
Rated Input Capacity	KVA	58.6
Rated Input Current	A	89
Rated Welding Current	A	1000
Rated Welding Voltage	V	54
Open Circuit Voltage	V	100
Rated Duty Cycle	-	100%
Welding Current Adjust Range	A	40~1000
Insulation Grade	-	F
Dimension (L*W*H)	mm	795×410×835
Net Weight	Kg	89

Above Technical Specification for Reference Only

Main Features

- Use world famous frequency converter, with wide speed adjusting range and high precision, parameters can be preset and recalled
- The boom and column is box-structure designed, compact structure with good rigidity
- Counterweight-design inside column which ensures the stable and smooth lifting
- The multi-protection of mechanic set and electric set ensures the safety of operator and equipment
- Optional devices: electric rotation device, walking trolley, retractable boom, etc.
- Manipulation interface: humanization, simple and convenient

Product Application



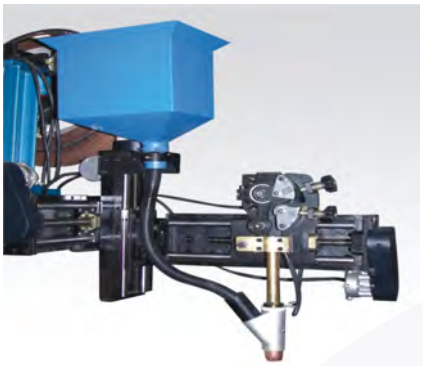


Main Technical Parameters

Models / Parameters	2×2	3×3	4×4	5×5	6×6	7×7	8×8
Boom Lifting Range	2m	3m	4m	5m	6m	7m	8m
Boom Vertical Travel Speed	80-800mm/min(Speed step-less adjusted by converter, digital display)						
Boom Horizontal Travel Range	2m	3m	4m	5m	6m	7m	8m
Boom Horizontal Travel Speed	250-2500mm/min (Speed step-less adjusted by converter, digital display)						
Trolley Travel Speed	200-2000mm/min (Speed step-less adjusted by converter, digital display)						
Column Rotating Speed	0.03-0.75rpm (Speed step-less adjusted by converter, digital display/manual rotation)						
Max. Loading Of Boom	100Kg		200Kg		400Kg/600Kg		
Max. Stretching Of Boom	2950	3950	5100	6100	7250	8300	9300
Min. Stretching Of Boom	950		1100		1250	1300	
Trolley Gauge	1430		1730		2000	2500	
Input Power	3-380V±10% , 50Hz/60Hz						

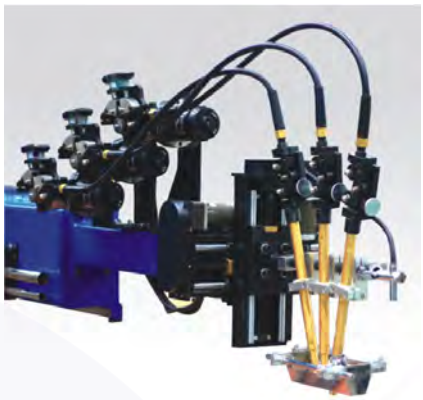
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Optional Welding Process



MZ9 Single power / wire submerged arc welding





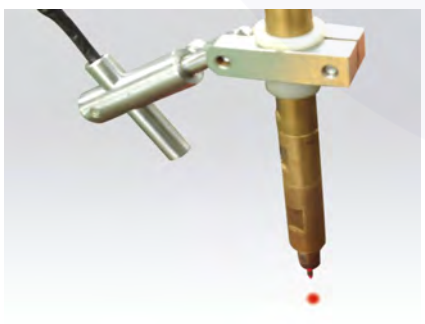
MZ9-S High efficiency submerged arc welding



MU9 Strip cladding submerged arc welding



NZ9 Gas shielded welding



Weld seam laser indicator



TV Monitoring system



Weld seam tracker

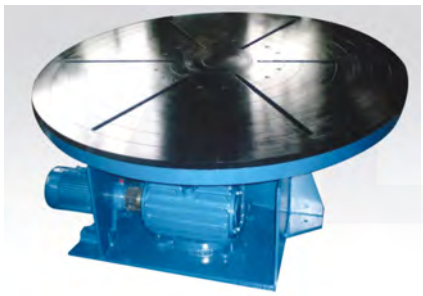
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Main Features

- Finish machining work table to protect the welding spatter, with long service life
- Use world famous brand frequency converter, which has wide speed adjusting range and high precision, the parameters can be preset and recorded
- Multi protection on mechanism and electric parts, ensures the safety and stability
- There are some position lines and T-shape slags, makes the easier location
- Reliable stability of the complete set, easy to move and install

Product Application

- The welding positioner is mainly used to rotate the workpiece of axle, plate, cylinder and ball shape, to get the ideal welding speed and position. It usually work with welding manipulator, welding machines to compose a automatic welding center. It can be also used on manual welding, assembly or painting of some complex structure work-piece







Main Technical Parameters

Models / Parameters	Unit	HB-5	HB-10	HB-20	HB-30	HB-50	HB-100
Rated Loading Capacity	T	0.5	1	2	3	5	10
Working Table Diameter	mm	800	1200		1400	1600	1800
Rotating Speed	r/min	0.135-1.35	0.054-0.54		0.05-0.5		0.038-0.38
Tilting Speed	r/min	0.6	0.39		0.33		0.26
Tilting Angle	-	0-120°					
Max. Centrobaric Distance	mm	200	250		300		400
Max. Eccentricity	mm	150	200				250
Dimension (H*L*W)	mm	722	955	1096	1204	1495	1870
	mm	880	1450	1800	1900	2200	2700
	mm	751	1020	1220	1370	1600	1880
Input Power	V/Hz	3-380±10% , 50/60					

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Self-Aligning Welding Rotator / Turning Roll

Main Features

- The tilt angle of wheels are self-adjusted as per the diameter change of work-piece
- Steel & Rubber combined wheels, with strong overload capacity and heavy driving capacity
- Advanced reducer system configuration, compact structure, high transmission accuracy and efficiency, reliable self-fixing & locking
- Use world famous frequency converter, which has good reliability, strong output characteristics and stable rotating speed
- Use whole destressing annealing technology, makes the high strength and toughness of structure, ensures the long service life
- There are interfaces on machine, makes it convenient to work with welding manipulator

Optional Functions

- Walking devices, remote control devices and anti-creep devices are available





Main Technical Parameters

Parameters / Models	Linear Speed	Suited Work-piece Diameter	Motor Power	Turning Rolls size & Structure	
	mm/min	mm	KW		
ZT-5E	100-1000	500-3300	2×0.25	Φ250×100	Full Polyurethane
ZT-10E		500-3300	2×0.37	Φ250×110	Full Polyurethane
ZT-20E		500-4000	2×0.55	Φ300×130	Full Polyurethane
ZT-30E		500-4500	2×0.75	Φ300×150	Full Polyurethane
ZT-40E		500-4500	2×0.75	Φ300×170	Full Polyurethane
ZT-60E		900-5200	2×1.1	Φ350×200	Full Polyurethane
ZT-80E		900-5500	2×1.5	Φ400×200	Full Polyurethane
ZT-100E		900-5500	2×1.5	Φ450×200	Full Polyurethane

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Main Features

- There are reserved screw holes to adjust the center distance, which makes it work with different size work-piece
- Advanced reducer system configuration, compact structure, high transmission accuracy and efficiency, reliable self-fixing & locking
- Use world famous frequency converter, which has good reliability, strong output characteristics and stable rotating speed
- Use whole destressing annealing technology, makes the high strength and toughness of structure, ensures the long service life
- There are linkage interfaces on machine, makes it convenient to work with welding manipulator

Optional Functions

- Walking devices, remote control devices and anti-creep devices are available





Main Technical Parameters

Parameters / Models	Linear Speed	Suited work-piece Diameter	Motor Power	Turning Rolls Size	Polyurethane Wheel Width	Turning Rolls Structure
	mm/min	mm	KW	(mm)	(mm)	
KT-3C	100-1000	150-2800	1×0.37	Φ250×130	100	Steel & Polyurethane
KT-5C		150-2800	2×0.25	Φ250×130	100	Steel & Polyurethane
KT-10C		300-3200	2×0.37	Φ300×150	112	Steel & Polyurethane
KT-20C		300-3600	2×0.55	Φ350×170	120	Steel & Polyurethane
KT-30C		300-4500	2×0.75	Φ400×200	120	Steel & Polyurethane
KT-40B		300-4500	2×1.1	Φ400×200	120	Steel & Polyurethane
KT-60A		300-4500	2×1.1	Φ450×200	120	Steel & Polyurethane
KT-80D		800-5500	2×1.5	Φ500×180 (All Steel Wheel)		
KT-100J		800-5500	2×2.2	Φ500×200 (All Steel Wheel)		
KT-150		1000-5500	2×2.2	Φ500×220 (All Steel Wheel)		
KT-200		1000-6000	2×3	Φ600×220 (All Steel Wheel)		
KT-300		1000-6000	2×5.5	Φ680×240 (All Steel Wheel)		
KT-400		1000-6000	2×5.5	Φ680×250 (All Steel Wheel)		
KT-600		1000-7000	2×7.5	Φ800×300 (All Steel Wheel)		

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CNC Cutting Machine

Brief Introduction

Gantry type CNC cutting machine is one of the most popular fabrication cutting equipment. Connecting with the computer, it cuts any shape of workpiece, with highly improves the cutting quality and efficiency, enlarge the usage of raw material and cutting quality stability, it also reduces the labor costs.

Main Features

- It is double booms structure, special designing enhances the stable structure
- The boom is made from structure parts, which machining with once processing, ensures the strong strength and high precision after long time use
- The driving system adopts fluctuating driving construction design, which is a patent technology from Huayuan
- The structure parts use whole destressing annealing technology, makes the high strength and toughness of structure, ensures the long service life
- All elements are carefully choosed from international famous brands, ensures the stability





Main Technical Parameters

Models / Parameters	2500mm	3150mm	4000mm	5000mm	6300mm	7000mm	8000mm	10000mm
Driving Mode	Single Driving (Flame Cutting)			Double Driving				
	Double Driving (Plasma Cutting)							
Effective Cutting Width (mm)	Span Length-400mm (With single moving part)							
Track length (mm)	According to customer required length							
Effective Cutting Length (mm)	Standard: Track length-2M. With electric cleaning device: Track length-2.5M.							
No-load Travelling Speed	Single Driving : 0-6000mm/min			-	-	-	-	-
	Double Driving : 0-12000mm/min							
Cutting Speed	Flame Cutting : 50-750mm/min							
	Plasma Cutting : 50-6000mm/min							
Cutting Thickness	Flame Cutting : 6~150mm							
	Plasma Cutting : Refer to different plasma power source							
Input Power	3~380V±10% , 50Hz±1%							
Torch up-down Distance	200mm							
Standard	ISO9013-2002							

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Gantry Type Submerged Welding Machine

Brief Introduction

Gantry type welding machine is widely used in automatic welding of H-beam steel, box girder, crane beam and so on, it welds two welding seams or more at the same time. The operation is easy and production efficiency is high, reduces the labor cost much.

Main Features

- The walking of the gantry frame is controlled by frequency converter, driven by AC motor, step-less speed adjustment
- Reliable mechanical weld tracking system
- High precision of AC frequency converter
- High efficiency of flux feeding-recovering system
- Different welding process can be chosen: SAW, MIG, MAG,CO_2 , etc.
- Different welding head can be chosen, adapt different quantity of welding torch





Main Technical Parameters

Structure	Gantry Type
Welding Speed	250～1700mm/min (Refer to different welding process)
Welding process	SAW,MIG,MAG,CO_2
Welding Technology	SAW, TANDEN SAW, MIG,MAG,CO_2
Optional Function	Flux feeding-recovering system, welding swing device, water cooling system, etc.
Recommend Welding Power Source	ZD5,ZD7,ZDE and NB series of

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