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StarArc



PT. Anugerah Panca Wisesa

Ruko Villa Taman Bandara Blok N8/15, Dadap, Kosambi, Tangerang 15211 - Indonesia

Ph: +6221 22556660 - Mobile (WA) +62 87888505087 / +62 81806791476

Email: anugerahpancawisesa@gmail.com

ABOUT US

PT. Anugerah Panca Wisesa is committed to give the best quality and service in welding industry. We want to give 'more' than what our clients' expected as well. Build trust and professionalism in every aspect and fulfilling every our clients' needs.

VISION

To become one of leading company in welding industry with giving a full support , trust and professionalism in every segments of work.

MISSION

We use the best quality products and people that excel in these fields.
Build trust and keep the professionalism to our clients and suppliers.
Passionately doing our best to provide materials and services to all clients by a professional in the field.



CORE VALUES

Creativity

Technical innovation, process improvement, and learning how to do something better through creativity

Teamwork

We are a company that embraces our people's culture and values - working together to achieve our goals as one team.

Responsibility

We take responsibility on every impacts that we make on our neighbors, suppliers, customers, staff and their family, and the environment.

Trust

We build trust with our customers and suppliers that we serve the best and maintain a good relationships.

NBC-350/500 Industrial gas shielded welding machine

High power actual current, always favored by steel structure factories



◆ Characteristics

- 1.Imported high-power dual module, low spatter, deep penetration, beautiful seam formation.
- 2.Digital panel, synergic function, easy to operate, quick for beginners to get started.
- 3.The intermediate cable of the wire feeder can be extended by 30 meters, with adjustable speed and uniform stability. Even if the welding wire is extended by 100 meters, it can perform normal welding job.
- 4.Suitable for long-term working environments such as heavy steel structures, shipyards, boiler factories, etc.

◆ Technical parameter

Model	NBC-350	NBC-500
Function	MIG/MMA	MIG/MMA
Input voltage（V）	3 phase 380V±10%	3 phase 380V±10%
Current adjustment range（A）	50-350	50-500
Voltage adjustment range（V）	14.4	25
Rated input power(KVA)	15-32	15-40
Duty cycle(%)	60	60
No-load voltage（V）	55	70
Wire diameter / Electrode（MM）	Wire: 1.0/1.2 Electrode2.5-5.0	Electrode: 1.0/1.2/1.6 Electrode2.5-5.0
Plate thickness（MM）	0.8-25	0.8-30
CO2 gas flow	15-20L/min	15-20L/min
Net weihgt（KG）	29	33.4
Dimension（MM）	600*305*490	600*305*490

NBC-630 Heavy industry gas shielded welding machine

MIG/Carbon gouging/MMA



◆ Characteristics

- 1.Imported high-power dual module, more stable performance, 100% duty cycle, high reactance, large main transformer, industrial cooling fan.
- 2. Heavy industry grade gas shielded welding machine, with reliable materials and no false labeling, suitable for MIG/-carbon gouging/MMA.
- 3.Carbon gouging:10MM carbon rod, MMA:continuous welding for $\phi 6.0$, welding plate thickness: 0.8-40MM.

◆ Technical parameter

Model	NBC-630
Function	MIG/Carbon gouging/MMA
Input voltage(V)	3 phase 380V $\pm$ 10%
Current adjustment range(A)	50-630
Voltage adjustment range(V)	15-50
Rated input voltage(KVA)	35.8
Duty cycle(%)	100
No-load voltage(V)	70
Frequency(HZ)	50/60
Efficiency (%)	$\geq$ 89
Wire diameter(MM)	1.0/1.2/1.6
Cooling method	Air cooling
Insulation class	F
Net weight(KG)	46.6
Dimension(MM)	670*325*560

NBC-500/ZX7-1000Special welding mahcine for shipbuilding

Special gas shielded welding machine/carbon gouging machine for shipbuilding



◆ Characteristics

- 1.Imported high-power dual module, more stable performance, 100% duty cycle, high reactance, large main transformer, industrial cooling fan.
- 2.Heavy industry grade shipbuilding specialized machine, with reliable materials and no false labeling.
- 3.The actual current of NBC-500 is up to 630A,and 1000A for ZX7-1000.

◆ Technical parameter

Model	NBC-500	ZX7-1000
Function	MIG/Carbon gouging/MMA	Carbon gouging/MMA
Input voltage(V)	3 phase 380V ± 10%	3 phase 380V ± 10%
Current adjustment range(A)	50-630	50-1000
Voltage adjustment range(V)	15-50	15-50
Rated input power(KVA)	35.8	41
Duty cycle(%)	100	100
No-load voltage(V)	70	75
Frequency(Hz)	50/60	50/60
Efficiency(%)	≥ 89	≥ 89
Wire diameter(MM)	1.0/1.2/1.6	φ5.0/6.0 electrode,continuous welding
Cooling method	Air cooling	Air cooling
Insulation class	F	F
Net weight(KG)	54	70
Dimension(MM)	665*360*560	660*400*850

NBC-500x2 Dual-Station Gas Shielded Welding Machine

Special gas shielded welding machine



◆ Characteristics

- 1.High-power modules, 100% duty cycle, intelligently controlled by smart chips.
2. 550A output per station, stable performance against voltage fluctuations, suitable for both high and low voltage areas.
- 3.Dual-station simultaneous welding with independent operation and individual current control for each station.
- 4.Suitable for: 10mm arc air gouging; 0.4-40mm welding thickness; Waterproof & anti-corrosion potted PCBs.

◆ Technical parameter

Model	NBC-500x2
Function	MIG/Carbon gouging/MMA
Input voltage(V)	3 phase 380V $\pm$ 10%
Current adjustment range(A)	50-550 each station
Voltage adjustment range(V)	15-50 each station
Rated input power(KVA)	35.8
Duty cycle(%)	100
No-load voltage(V)	70
Frequency(Hz)	50/60
Efficiency(%)	$\geq$ 89
Wire diameter(MM)	1.0/1.2/1.6
Cooling method	Air cooling
Insulation class	F
Net weight(KG)	70
Dimension(MM)	660*400*850

CS-401/501 Wide voltage industrial MMA machine

Typical industrial machine for ultra high voltage application



◆ Characteristics

- 1.Imported IGBT monotube, wide voltage 110V-560V, with added reactance, stronger and more stable current output.
- 2.Thrust force adjustment, easy to strike the arc, continuous welding with $\varnothing$ 4.0/5.0 welding rod, deep penetration.
- 3.Can be connected to the power supply of the generator, the welding wire can be extended by 100 meters for normal welding, and the J422/J427/J506/J507 welding rods can be welded.

◆ Technical parameter

Model	CS-401		CS-501	
Input voltage (V)	220V $\pm$ 10%	380V*3P $\pm$ 10%	220V $\pm$ 10%	380V*3P $\pm$ 10%
Frequency (Hz)	50/60		50/60	
Rated input power(K V A)	5.3	10	6.2	12
Output current adjustment(A)	50-180	50-270	50-200	50-310
Rated output voltage(V)	22-26.4	22-30.4	22-27.2	22-32
Duty cycle (%)	100	35	100	35
No-load voltage (V)	78	82	78	82
Electrode ($\varnothing$)	2.5-4.0	4.0/5.0 Full length welding	2.5-4.0	5.0/6.0 Full length welding
Welding plate thickness (M M)	2-20		2-25	
Net weight(K G)	11.8		14	
Dimension (M M)	435*225*390		520*225*390	

SAC-100 Magnetic Straight Welding Swing Model Oscillation Auto Weld Carriage
StarArc Carriage Swing welding trolley automatic



Characteristics

StarArc Carriage-100 swing welding trolley is automatic. It can gain more wide welded seam at a time. You can adjust swing speed, swing angle, offset position of centre and length of stay. It suits for vary specs beads. In non-welding state, the biggest trolley speed is 1300mm/min. The magnetron hand grip can decrease a few magnetism, so it is convenient to clear iron waste and moving trolley.

Technical Parameter

Model	SAC-100	
Weight	8.4 KGS (Included swing device)	
Outline dimension	430 mm x 280 mm x 290 mm	
Straight rail length	1800 mm	
Driving mode	Four rims driving (Rubber rim)	
Power	DC 24V	
Swing motor	DC 24V	
Speed	30~~800 (mm/min) (Display by nixe tube	
Tracking mode	Rail	
Range of adjusting welding torch	Up and down: 40 mm	
	Front and rear: 60 mm	
	Range of working angle: $\pm 45^{\circ}$	
	Range of adjusting angle: 10°	
	Choose walk direction	Left and right
	Swing speed	0 ~ 100
	Swing angle	$\pm 15^{\circ}$
Operation function	Adjust walk speed	0 ~ 130 cm/min
	Length of stay on left or right	0 ~ 2.5 s
	Set Position of deviation	0 ~ $\pm 8^{\circ}$

Welding Technical Parameter

Welding wire diameter		Ø 1.2 mm	Ø 1.4 mm	Ø 1.6 mm
Welding parameter				
Current (A)	Down-hand welding	120-300	150-380	180-430
	Flush fillet welding	120-280	150-320	180-380
	Horizontal welding	120-280	150-300	180-330
Voltage (U)	U= 14+0.05I			
	≤300A U=0.04I+16±1.50			
	≥300A U=0.04I+20±2.0			
Distance between nozzle and workpiece (H)	≤200A; H=10~15 mm			
	200-350A; H=15~20 mm			
	350-500A; H=20~25 mm			
Welding extension length (L)	L=10d			

ZX7-500 Dual module industrial welding machine

High power, high current, high reactance



◆ Characteristics

- 1.Imported high-power dual module, with added reactance, provides stronger and more stable current output.
- 2.By adjusting the thrust force and improving the arc initiation performance, J422, J427, J506, J507 and other welding rods can be welded.
- 3.Steel bars can be welded to 25mm, carbon gouging can be used for 8MM carbon rods, and long welding can be carried out with φ 3.2-6.0 welding rods to meet multi-directional requirements.

◆ Technical parameter

Model	ZX7-500 economic type	ZX7-500 industrial type
Input volage(V)	380V*3P ± 10%	380V*3P ± 10%
Frequency(Hz)	50/60	50/60
Rated input power(KVA)	20	20
Output current adjustment(A)	0-330	0-400
Rated output voltage(V)	20.4-36	20.4-36
Duty cycle(%)	60	60
No load voltage(V)	85	85
Wire diameter(φ)	4.0/5.0 Full length welding	5.0/6.0 Full length welding
Welding plate thickness(MM)	2-30	2-30
Net weight(KG)	15	16.2
Dimension(MM)	440*220*390	440*220*390

ZD7-1250 Inverter type automatic submerged arc welding machine

Suitable for industries such as steel structure construction, bridges, locomotives, shipbuilding, boilers, hydropower, etc.

◆ Characteristics

- 1.Adopting soft switching inverter technology, the welding current is stable, the ripple is small, and the weld seam is aesthetically pleasing.
- 2.Weight is only 30% of traditional welding machines, volume is only 50% of traditional welding machines, and input capacity is only 80% of traditional welding machines.
- 3.Environmental temperature of 40%, 60% duty cycle, suitable for heavy industry and high-intensity load work.
- 4.Contactless control, all integrated circuits imported, high reliability, operation control/proximity control, flat/descending characteristic selection function.
- 5.Multi functional power supply, capable of automatic submerged arc welding, electrode welding, manual welding, carbon arc gouging, electric slag welding and other welding power sources.



◆ Technical parameter

Model	ZD7-1250		
Input voltage(V)	3-380V±10%	Dimension(L*W*H MM)	750*415*960
Input voltage range(V)	380	Net weight(KG)	150
Working frequency(Hz)	50/60	Parameters of submerged arc welding trolley	
Rated input power(KVA)	64	Wire diameter(mm)	φ3、 φ4、 φ5、 φ6
Rated input current(A)	98	Wire feeding speed adjustment range(cm/min)	40-200
No load voltage(V)	75	Welding speed adjustment range(cm/min)	0-155
Duty cycle(%)	60	Vertical adjustment distance of the tractor head(mm)	93
Power factor	0.93	Tractor head left/right adjustment distance(mm)	± 30
Efficiency(%)	85	Up/Down adjustment range of the vertical column(mm)	140
Current adjustment range(A)	100-1250	Wheel distance(mm)	300
Voltage adjustment range(v)	22-44	Axial distance(mm)	350
Electrode(φ)	3.0-6.0	Flux capacity(L)	10
Cooling method	Air cooling	Dimension(L*W*H MM)	1010*580*930
Insulation class	F	Net weight of tractor	52

ZX7-630 Dual module dual station industrial welding machine

Crowned king of welding for high current application in construction sites



◆ Characteristics

- 1.Imported high-power dual module, dual workstation: one machine for two people, independent current regulation, no interference with each other.
- 2.High power imported dual module, high current, large main transformer, large reactance, top choice of construction sites.
- 3.Steel bars can be welded to 28mm, carbon gouging to 10MM carbon rods, welding rods is welded up to 6.0 mm.

◆ Technical parameter

Model	ZX7-630
Input voltage(V)	380V*3P ± 15%
Frequency(Hz)	50/60
Rated input power(KVA)	30
Output current adjustment(A)	40-600
Rated output voltage(V)	21.6-40
Duty cycle(%)	35
No-load voltage(V)	70.5
Wire diameter(φ)	5.0/6.0continuous welding
Welding plate thickness(MM))	2-38
Net weight(KG)	31.2
Dimension(MM)	600*305*490

ZX7-500 X 4 Four station welding machine

Four people welding simultaneously without affecting each other, and adjusting the current individually



◆ Characteristics

- 1. ZX7-500*4 for pipeline:Imported IGBT single tube, four stations: one machine for four people, current independent regulation
- 2.ZX7-500*4 for shipbuilding:High power module, 100% duty cycle, welding wire 100 meters without current attenuation, long-term welding
- 2. A single station uses ϕ5.0 electrode for long-term welding, which is not afraid of voltage fluctuations and can be welded under both high and low voltages.
- 3.J422/J427|J506/J507 electrodes can all be used for welding.
- 4. Adapt to the harsh environment of shipyards, construction sites, and the field, and welding in high and low temperature weather

◆ Technical parameter

Model	ZX7-500X4 for pipeline	ZX7-500X4 for shipbuilding
Input voltage(V)	3P/380V±10%	3P/380V±10%
Maximum input current(A)	96	160
Maximum input power(KVA)	48	60.8
Rated output current(A)	50-400each station	50-500each station
Rated output voltage(V)	32	40
Duty cycle(%)	60	100
No-load voltage(V)	81	82
Power factor(φ)	≥0.93	≥0.93
Efficiency(%)	≥85	≥85
Wire diameter(MM)	1.6-6	2.5-6
Cooling method	Air cooling	Air cooling
Dimension(MM)	500*640*977	710*500*1040
Net weight(KG)	82.5	118

ZX7- 1000Dual station industrial welding machine/carbon gouging machine

Dual station/MMA/Carbon gouging



◆ Characteristics

- 1.Imported high-power dual module, dual workstation: one machine for two people, with independent current regulation.
- 2 .High current, large main transformer, high reactance, industrial tool, preferred for steel structures and shipyards.
- 3.Single side workstation with a diameter of 6.0mm welding rod,continuous welding.
- 4.Steel bar can be welded to 35mm, carbon gouging is up to 12mm, electrode of 6.0mm,continuous welding.

◆ Technical parameter

Model	ZX7-1000
Input voltage(V)	380V*3P ± 10%
Frequency(Hz)	50/60
Rated input power(KVA)	41
Rated input current(A)	53
Output current adjustment(A)	50-850
Rated output voltage(V)	22-44
Duty cycle(%)	60
No-load voltage(V)	75
Wire diameter(MM)	5.0/6.0full length welding
Net weight(KG)	60
Dimension(MM)	605*385*635

RSN-2000/2500/3150 Drawn arc stud welding machine

Can be used for steel structure construction, bridges, and shipbuilding

◆ Characteristics

- 1.Digital control ensures reliability.Accurate control of welding heat, high repeatability, allowing new and old welders to quickly get started.
- 2Automatic compensation function for power grid fluctuations: automatic control of welding current, which is not affected by power grid voltage fluctuations at the set value.
- 3 .Automatic/manual selection function: suitable for multi-layer penetration welding; Manual welding/stud welding selection function, versatile for one machine.
- 4.Manual welding time limit function: After long pressing the welding gun switch, if the output time is limited to a maximum of 2000 milliseconds, welding will automatically stop after 2000 milliseconds. If the gun switch is held down for 1000 milliseconds to disconnect, the gun switch will be used as the standard. Otherwise, the set time will be used as the standard, which can effectively prevent damage to the welding machine caused by misoperation.



◆ Technical parameter

Model	RSN2000	RSN2500	RSN3150
Input voltage(V)	3~380VAC ± 15%		
No-load voltage(V)	78VDC		
Current adjustment range(A)	100-2000	100-2500	100-3150
Efficiency(%)	90		
Welding time(MS)	Long cycle 0-3000ms		
Maximum stud diameter(MM)	8-22	8-25	8-30
Weldable stud length(MM)	≤ 400		
Torch voltage(V)	110VDC		
Rated duty cycle(%)	20%		
On-load voltage	@ ≤ 600A U2=44V		
Parameter display	Display current,welding time		
Protection class	IP21S		
Insulation class	F		
Dimension(L*W*H)	705*370*755mm	810*420*950mm	810*420*950mm

LGK-300 CNC special plasma cutting machine

Can be equipped with gantry CNC and special machine cutting



◆ Characteristics

- 1. Imported high-power dual modules, smooth cuts, high precision, no deformation
- 2. 300A current, quality cutting:75mm,duty cycle:100%
- 3. It can be equipped with CNC cutting, with fast cutting speed, high efficiency, smooth incision, narrow cutting seam and small deformation.
- 4. It can cut stainless steel, copper, aluminum, cast iron and other metal materials, with a wide range of uses

◆ Technical parameter

Model	LGK-300
Input voltage(V)	3P/ 380V± 10%
Current adjustment range(A)	30-300
Duty cycle(%)	100
No load voltage(V)	320
Arc initiation	Non-contact high frequency
Delayed gas stop(S)	0-60
Air pressure range(KG)	0.3-0.7
Cutting thickness(MM)	≤75
Net weight(KG)	87
Dimension(MM)	670*385*870

LGK-120/160/200 CNC special plasma cutting machine

Can be equipped with small gantry CNC/small bee/small turtle cutting



◆ Characteristics

- 1.Imported high-power dual module, flat cut, high precision, no deformation
- 2.LGK-120:125A current, quality cutting:35mm,duty cycle:100%,can be equipped with small CNC/small turtle cutting
- LGK-160:160A ample current, quality cutting:45mm, duty cycle:100%,can be equipped with small gantry CNC/little bee.
- LGK-200:200A ample current, quality cutting:mm,duty cycle: 100%,can be equipped with small gantry CNC/little bee.

◆ Technical parameter

Model	LGK-120	LGK-160	LGK-200
Input voltage(V)	3 phase 380V ± 10%	3 phase 380V ± 10%	3 phase 380V ± 10%
Current adjustment range(A)	20-125	20-160	20-200
Duty cycle(%)	100	100	100
No load voltage(V)	330	336	336
Arc initiation	Non-contact high frequency	Non-contact high frequency	Non-contact high frequency
Delayed gas stop(S)	3	6	6
Air pressure range(KG)	0.3-0.6	0.3-0.6	0.3-0.6
Cutting thickness(MM)	≤ 35	≤ 45	≤ 55
Net weight(KG)	40	45	56
Dimension(MM)	610*320*530	640*340*610	660*400*710

LGK-160/200 Industrial built-in pump plasma cutting machine

The preferred cutting machine for heavy industry



◆ Characteristics

- 1.Imported high-power dual module, flat cut, high precision, no deformation.
- 2.High power air pump connector, sufficient air output, dual-use for cutting/welding.
- 3.Built in+external dual operation mode.
- 4.Manual welding has VRD anti electric shock function, duty cycle of 100%, making it the preferred choice for heavy industr.
- 5、 LGK-160 extreme cutting:50MM, ϕ 5.0 electrode of full length welding, LGK-200 extreme cutting:60MM, ϕ 6.0 electrode of full length welding.

◆ Technical parameter

Model	LGK-160QB	LGK-200QB
Input voltage(V)	3 phase 380V $\pm$ 10%	3 phase 380V $\pm$ 10%
Current adjustment range(A)	20-160	20-200
MMA current range(A)	50-480	50-500
Duty cycle(%)	60	60
No load voltage(V)	336	336
Arc initiation	Non contact high frequency	Non contact high frequency
Delayed gas stop(S)	6seconds	6seconds
Air pressure range(KG)	0.3-0.6	0.3-0.6
Cutting thickness(MM)	$\leq$ 50	$\leq$ 60
Wire diameter(ϕ)	3.2—5.0 full length welding	3.2—6.0 full length welding
Net weight(KG)	71	94
Dimension(MM)	710*360*620	750*400*710

LGK-100/120 Built in pump plasma cutting machine

Economic type/generator type



◆ Characteristics

- 1.Imported high-power dual module, flat cut, high precision, no deformation.
- 2. High power air pump connector, sufficient air output, dual-use for cutting/welding.
- 3. Can be equipped with CNC cutting, fast cutting speed, and can be equipped with an internal and external air pump.
- 4. The generator model is equipped with a power board and 6pcs of 680/820 capacitors.
- 5. LGK-100 has a maximum cutting capacity of 25MM, and uses a long welding rod with a diameter of 4.0mm electrode of full length welding. LGK-120 maximum cutting 35MM,5.0mm electrode of full length welding.

◆ Technical parameter

Model	LGK-100QB economic type		LGK-100QB generator type		LGK-120QB economic type	LGK-120QB generator type
Input voltage(V)	3 phase 380V ± 10%				3 phase 380V ± 10%	
Current adjustment range(A)	20-100				20-120	
MMA current range(A)	40-190				40-230	
Duty cycle(%)	80%				80%	
No load voltage(V)	300				330	
Arc initiation	Non contact high frequency				Non contact high frequency	
Delayed gas stop(s)	1-10seconds,adjustable				1-10seconds,adjustable	
Air pressure range(KG)	0.3-0.6				0.3-0.6	
Cutting thickness(MM)	≤ 25				≤ 35	
Net weight(KG)	41		42		42	43
Dimension(MM)	600*340*570				600*340*570	

LGK-100/120 Built in pump plasma cutting machine

Industrial type/Copper core air pump/100% duty cycle



◆ Characteristics

- 1.Imported high-power dual module, flat cut, high precision, no deformation.
- 2. High power air pump connector, sufficient air output, dual-use for cutting/welding.
- 3. Can be equipped with CNC cutting, fast cutting speed, and can be equipped with an internal and external air pump.
- 4. LGK-100 has a maximum cutting capacity of 25MM,4.0mm electrode of full length welding. LGK-120 maximum cutting 35MM,5.0mm electrode of full length welding.

◆ Technical parameter

Model	LGK-100QB	LGK-120QB
Input voltage(V)	3 phase 380V ± 10%	3 phase 380V ± 10%
Current adjustment range(A)	20-100	20-120
MMA current range(A)	30-180	30-200
Duty cycle(%)	100	100
No load voltage(V)	300	330
Arc initiation	Non contact high frequency	Non contact high frequency
Delayed gas stop(S)	3	3
Air pressure range(KG)	0.3-0.6	0.3-0.6
Cutting thickness(MM)	≤ 25	≤ 35
Net weight(KG)	60	62
Dimension(MM)	700*385*570	730*400*570

LGK-80 Wide voltage built in pump plasma cutting machine

220V/380V auto switch



◆ Characteristics

- 1.Imported IGBT mono tube, with smooth cut, high precision, and no deformation.
- 2. Adapt to automatic conversion of 220V/380V voltage.
- 3. Adapt to the national standard of using a 15KW generator as a power source.
- 4. Full length welding with $\varnothing$ 3.2/4.0 welding rod, quality cutting thickness: 1-12mm, Extreme cutting thickness:25mm.

◆ Technical parameter

Model	LGK-80QB
Input voltage(V)	220V/380V
Current adjustment range(A)	10-80
MMA current range(V)	30-190
Duty cycle(%)	60
No load voltage(V)	326/68
Arc initiation	Non contact high frequency
Delayed gas stop(S)	2-10 seconds,adjustable
Air pressure range(KG)	0.3-0.6
Cutting thickness(MM)	≤ 25
Wire diameter(φ)	3.2-5.0 full length welding
Net weight(KG)	33
Dimension(MM)	600*345*465

ZX7-400 Wide voltage industrial MMA machine

Backup model for construction sites



◆ Characteristics

- 1. Imported IGBT Monotube, wide voltage 280V-560V, with added reactance, stronger and more stable current output.
- 2. Thrust force adjustment, easy to strike the arc, full length welding with ϕ 4.0/5.0 welding rod, deep penetration.
- 3. Can be connected to the power supply of the generator, the welding wire can be extended by 100 meters for normal welding, and the J422/J4271J506/J507 welding rods can be welded.

◆ Technical parameter

Model	ZX7-400
Input voltage(V)	380V*3P $\pm$ 15%
Frequency(Hz)	50/60
Rated input power(KVA)	15
Output current adjustment(A)	20-280
Rated output voltage(V)	20.8-31.2
Duty cycle(%)	35
No load voltage(V)	72.4
Wire diameter(ϕ)	4.0/5.0 full length welding
Welding plate thickness(MM)	2-20
Net weight(KG)	10.4
Dimension(MM)	435*225*390

ZX7-250/315/400 Wide voltage MMA machine

High definition LCD display screen



◆ Characteristics

- 1. Imported IGBT monotube, wide voltage 120V-540V, high and low voltage welding, fast arc initiation, one touch welding.
- 2. LCD display: One click conversion and adjustment of welding current, arc current, and thrust current.
- 3. Welding diameter optional and automatically match current welding, making it easy for beginners to get started quickly.

◆ Technical parameter

Model	ZX7-250		ZX7-315		ZX7-400	
Input voltage(V)	220V ± 10%	380V ± 10%	220V ± 10%	380V ± 10%	220V ± 10%	380V ± 10%
Frequency(Hz)	50/60		50/60		50/60	
Rated input power(KVA)	5.7	8.8	6.2	10	8.8	10
Output current adjustment(A)	0-150		0-190		0-230	
Rated output voltage(V)	21.2-25.6		21.2-27.2		20.8-28.8	
Duty cycle(%)	60	35	60	35	100	35
No load voltage(V)	67	63.5	76	65	70	62
Wire diameter(φ)	3.2continuous welding		3.2/4.0full length welding		4.0continuous welding	
Welding plate thickness(MM)	1-10		1-15		1-20	
Net weight(KG)	4.4		4.9		7.4	
Dimension(MM)	275*152*275		275*152*275		360*175*295	

CS-221S Inverter DC MMA machine

Home set machine



◆ Characteristics

- 1. Imported IGBT monotube, compact size, high current, voltage 220V, suitable for household use.
- 2. High power motherboard, full length welding with a diameter of 3.2 welding rod, continuous arc welding.
- 3. Portable shoulder strap, equipped with a 2.5-meter electrode holer and a 1.5-meter earth cable, welding can be done upon unboxing.

◆ Technical parameter

Model	CS-221S
Input voltage(V)	Single phase 220V ± 10%
Frequency(Hz)	50/60
Rated input power(KVA)	4.8
Output current adjustment(A)	30-135
Rated output voltage(V)	25
Duty cycle(%)	35
No load voltage(V)	64
Wire diameter(φ)	3.2 full length welding
Welding plate thickness(MM)	1-6
Net weight(KG)	2.5
Dimension(MM)	235*102*165

NBC-250 Gasless shielded welding machine

Welding can be done with or without gas



◆ Characteristics

- 1. Imported IGBT mono tube, one key function conversion, intelligent adjustment, can be welded with or without gas, easy to carry.
- 2. Stable welding current, stable arc light, minimal spatter, no porosity, gas shielded welding/argon arc welding/manual welding with one machine for three purposes.
- 3. Can use flux cored wire with a diameter of 0.8/1.0mm, the coating can be easily wiped off, it does not stick to the workpiece, and can accommodate 1KG/5KG flux cored wire.

◆ Technical parameter

Model	NBC-250
Function	MIG/TIG/MMA
Input voltage(V)	220V±10%
Current adjustment range(A)	30-250
Power(KVA)	8.1
No load voltage(V)	58.9
Wire diameter(MM)	0.8/1.0
Electrode(φ)	2.5-4.0
Welding plate thickness(MM)	0.5-8
Wire feeder	Integrated
Net weight(KG)	9.5
Dimension(MM)	425*185*355

NBC-270/315 Integrated gas shielded welding machine

Special welding machine for thin plate



◆ Characteristics

- 1. Imported IGBT mono tube, high-speed welding, thin plate spot welding without penetration.
- 2. Quick spot welding speed, one touch welding, smooth and full welding points, very firm, high-power wire feeder, smooth wire feeding.
- 3. MIG/MMA can be used in one machine, and 0.8/1.0mm welding wire can be used for gas shielded welding, with a maximum spool capacity of 15KG.

◆ Technical parameter

Model	NBC-270 integrated		NBC-315 integrated	
Function	MIG / MMA		MIG / MMA	
Input voltage (V)	220V ± 10%	380V ± 10%	380V ± 10%	
Current adjustment range (A)	20-240		30-315	
Voltage adjustment range (V)	16.5-26		29.8	
Rated input power (KVA)	9.2		11	
Duty cycle(%)	60		60	
No load voltage (V)	58.8	50.8	52.5	
Wire diameter (MM)	Wire: 0.8/1.0	Electrode:2.5-5.0	Wire: 0.8/1.0/1.2	Electrode:2.5-5.0
Welding plate thickness (MM)	0.8-13		0.5-15	
Net weight (KG)	25.2		25.2	
Dimension(MM)	500*275*490		500*275*490	

NBC-270/315 Separated gas shielded welding machine

Special welding machine for thin plates



◆ Characteristics

- 1.Imported IGBT mono tube, high-speed welding, thin plate spot welding without penetration.
- 2. Quick spot welding speed, one touch welding, smooth and full welding points, very firm, high-power wire feeder, smooth wire feeding.
- 3. MIG/MMA can be used in one machine, and 0.8/1.0mm welding wire can be used for gas shielded welding, with a maximum spool capacity of 15KG.

◆ Technical parameter

Model	NBC-270 Separated		NBC-315 Separated	
Function	MIG / MMA		MIG / MMA	
Input voltage (V)	220V ± 10%	380V ± 10%	3 phase 380V ± 10%	
Current adjustment range (A)	20-240		30-315	
Voltage adjustment range (V)	16.5-26		16.5-29.8	
Rated input power (KVA)	9.2		11	
Duty cycle(%)	60		60	
No load voltage (V)	58.8	50.8	52.5	
Wire diameter (MM)	Wire: 0.8/1.0	Electrode:2.5-5.0	Wire: 0.8/1.0/1.2	Electrode:2.5-5.0
Welding plate thickness (MM)	0.5-15		0.5-15	
Net weight (KG)	17.6		20	
Dimension(MM)	520*225*390		520*225*390	

WS-200/250 Wide voltage argon welding machine

Essential products for processing works in the stainless steel factories



◆ Characteristics

- 1.Imported IGBT mono tube, wide voltage 110V-560V, normal use at low voltage in remote areas.
- 2. Gas delay regulation, bidirectional gas saving of argon gas meter, high-frequency rapid arc starting, superior spot welding performance.
- 3. Dual purpose TIG/MMA, capable of welding metal materials such as stainless steel, iron, carbon steel, copper, titanium, etc.

◆ Technical parameter

Model	WS-200	WS-250
Function	TIG/MMA	TIG/MMA
Input voltage(V)	110-560	110-560
Current adjustment range(A)	10-170	10-200
No load voltage(V)	79	79
Thrust force adjustment(A)	0-100%	0-100%
Welding plate thickness(MM))	1-8	1-10
Electrode(φ)	3.2 full length welding	3.2/4.0 full length welding
Arc initiation	HF	HF
Gas saving method	Adaptive timing, freely adjustable	Adaptive timing, freely adjustable
Net weight(KG)	7	7.4
Dimension(MM)	395*165*315	395*165*315

WS-250 Digital multifunctional cold welding machine

Industrial precision welding, no deformation, no fading



◆ Characteristics

- 1. High power MOs tube, industrial cold welding machine, stable performance.
- 2. Precision cold welding, low-temperature pulse welding, argon arc hot welding, manual welding, one machine multi-purpose.
- 3. Argon arc welding with a plate thickness of 0.5-10mm, manual welding with a diameter of 2.5-4.0 welding rod.
- 4. Weldable metal materials such as stainless steel, copper, titanium, etc.

◆ Technical parameter

Model	WS-250		
Function	Precision cold welding/ low-temperature pulse welding/ TIG/MMA	Welding time(S)	1-999
Input voltage(V)	220V±15%	Interval time(S)	1-400
Current adjustment range(A)	10-250	Base current(A)	5-95
Frequency(Hz)	50/60	Pulsing frequency(Hz)	0.5-200
Rated input current(A)	28	Duty cycle	5-95
No load voltage(V)	43	Efficiency(%)	80
Continuous duty cycle(%)	30	Power factor(%)	0.73
No load loss(W)	40	Electromagnetic compatibility classification	B
Arc initiation	HF	Welding plate thickness(MM)	0.5-10
Pre-gas time(S)	0.1-1	Net weight(KG)	10
Post-gas time(S)	1-15seconds	Dimension(MM)	430*380*220

WS-315/400Industrial argon welding machine

Special machine for large scale processing factories



◆ Characteristics

- 1.Imported IGBT mono tube, high-frequency fast arc starting, superior spot welding performance, industrial argon arc welding machine, can weld for a long time.
- 2. Adjustable thrust force, increase arc current by 30%, can weld stainless steel sheet, and form fish scale pattern.
- 3. Weldable metal materials such as stainless steel, iron, carbon steel, copper, titanium, etc.

◆ Technical parameter

Model	WS-315	WS-400
Function	TIG/MMA	TIG/MMA
Input voltage(V)	3 phase 380V ± 10%	3 phase 380V ± 10%
Current adjustment range(A)	20-315	20-400
No load voltage(V)	54	56
Thrust force adjustment(A)	0-100%	0-100%
Welding plate thickness(MM)	0.8-12	0.8-15
Electrode(φ)	3.2/4.0 full length welding	4.0/5.0 full length welding
Arc initiation	HF	HF
No load loss(W)	60	60
Net weight(KG)	14.5	23.2
Dimension(MM)	520*225*390	565*325*515

WSM-400 Pulsing argon welding machine

Precision welding,essential products for large scale processing factories



◆ Characteristics

- 1.Imported high-power dual module, high-frequency fast arc starting, superior spot welding performance.
- 2. Single sided welding, double-sided molding, fish scale effect, no polishing required for welding joints, thin plate welding without deformation.
- 3. Low temperature pulsing/TIG/MMA, one machine for three purposes; Pulse argon arc welding effectively controls the heating and cold welding speed of welding points.

◆ Technical parameter

Model	WSM-400
Function	Pulsing TIG/TIG/MMA
Input voltage(V)	3 phase 380V ± 15%
Current adjustment range(A)	10-400
No load voltage(V)	76
Duty cycle(%)	60
Welding plate thickness(MM)	0.8-20
Electrode(φ)	4.0/5.0 full length welding
Tungsten diameter(φ)	1-6
Maximum argon flow rate	25L/min
Net weight(KG)	27.4
Dimension(MM)	610*300*490

WSE-200/315 Multi functional aluminum welding machine

MOS Square wave AC/DC argon arc welding



◆ Characteristics

- 1.High power MOs tube, high-frequency fast arc initiation, high-precision welding, energy-saving and gas saving.
- 2. WSE-200 aluminum welding/TIG/MMA, one machine for three purposes. WSE-315 aluminum welding /TIG, dual-use.
- 3. Aluminum welding with fish scale pattern forming, white and bright weld bead, suitable for welding materials such as aluminum, stainless steel, castings, copper parts, alloys, etc.

◆ Technical parameter

Model	WSE-200	WSE-315
Function	Aluminum welding/TIG/MMA	Aluminum welding/TIG
Input voltage(V)	220V ± 15%	380V ± 15%
Current adjustment range(A)	10-200	10-315
No load voltage(V)	56	56
Front blow	0-2	0-2
Duty cycle (%)	20-80	20-80
Decay time(S)	0-5	0-5
End time (S)	2-10	2-10
Arc initiation	HF	HF
Net weight(KG)	17.7	31.2
Dimension(MM)	500*330*385	570*330*520

LD-200 Silicon carbide lithium welding machine

It can be used without plugging in electricity, suitable for equipment maintenance and emergency repairs



◆ Characteristics

- 1. Small and portable, with a maximum current of 130A
- 2. Adopting the most advanced domestic SIC silicon carbide technology, with a frequency of 90KHZ, the power conversion efficiency is increased by 30%
- 3. Lithium battery welding machine, no need to plug in, equipped with 650W high-power fast charging, 1.8m ground wire, 3m welding handle wire
- 4. ϕ 2.5 welding rod can continuously weld 13 wires, ϕ 3.2 welding rod can continuously weld 10 wires

◆ Technical parameter

Model	LD-200		
Output power (KW)	3.27	Maximum welding current (A)	130
Rated welding voltage (V)	25.2	Current adjustment range (A)	25-130
Duty cycle (%)	60%	Suitable welding rod diameter (MM)	1.6-3.2
Battery voltage (V)	66.6	Battery capacity (WH)	800
Charging current (A)	8	Charging time (H)	2.5
Number of battery cycles	2000 times	Charger power (W)	650
Charger input voltage (V)	AC 220V	Charger output voltage (V)	77.4
Volume of the whole machine (MM)	350*145*270	Complete machine weight (KG)	9

PT. ANUGERAH PANCA WISESA
Ruko Villa Taman Bandara Blok N8/15,
Dadap, Kosambi, Tangerang 15211 - Indonesia
Ph: +6221 22556660 - Mobile (WA) +62 87888505087 / +62 81806791476
Email: anugerahpancawisesa@gmail.com
www.anugerahpancawisesa.com