



SUBMERGED ARC WELDER

SAW

Submerged arc welding (SAW) is welding process that covers an electric arc beneath a bed of granulated flux by continuously feeding consumable solid or tubular (metal cored) electrodes. The molten weld and the arc zone are protected from atmospheric contamination by being "submerged" under a blanket of granular fusible flux. SAW is normally operated in the automatic or mechanized mode and it makes High speed welding SAW is has advantages : High operating factors in mechanized applications, deep weld penetration, high deposition rates.

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SUBMERGED ARC WELDER

AC
Submerged
Arc Welder

Feature

- Ideal welding quality for wide industry yard such as ship building, construction
- Excellent welding quality by sufficient capacity of transformer with patent technology
- High quality by AC-DC power supply combination (TANDEM)



1500TAS
AC (SCR TYPE)



2000TAS
AC (SCR TYPE)



1500WAS
AC



2000WAS
AC

Specifications

Input voltage (V, PH)	220/380/440, 1	220/380/440, 1	220/380/440, 1	220/380/440, 1
Input capacity (KVA)	135	180	135	180
Open circuit voltage (V)	95	95	95	95
Output current (A)	150~1500	150~2000	150~1500	150~2000
Duty cycle (%)	80	80	80	80
Dimension (mm)	570 X 1100 X 1430	570 X 1100 X 1430	800 X 1050 X 1400	800 X 1050 X 1400
Weight (kg)	670	690	700	720
Function	· Ideal welding quality for wide industry yard such as ship building, construction · Excellent welding quality by sufficient capacity of transformer with patent technology · High quality by AC-DC power supply combination (TANDEM) · Easy start with SCR AC output LONGRUN WS SERIES SCR CONTROL 50/60Hz SUBMERGED CC AC			
	· Ideal welding quality for wide industry yard such as ship building, construction · Excellent welding quality by sufficient capacity of transformer with patent technology · High quality by AC-DC power supply combination (TANDEM) · Easy start with SCR AC output LONGRUN WS SERIES SCR CONTROL 50/60Hz SUBMERGED CC AC			
	· Ideal welding quality for wide industry yard such as ship building, construction · Excellent welding quality by sufficient capacity of transformer with patent technology · High quality by AC-DC power supply combination (TANDEM) · High durability with moving-core type LONGRUN WS SERIES COIL CONTROL 50/60Hz SUBMERGED CC AC			

SUBMERGED ARC WELDER

DC
Submerged
Arc Welder



1000WDS
DC



1500WDS
DC



2000WDS
DC



Specifications

Input voltage (V, PH)	220/380/440, 3	220/380/440, 3	220/380/440, 3
Input capacity (KVA)	80	120	160
Open circuit voltage (V)	82	82	82
Output current (A)	100~1000	150~1500	200~2000
Duty cycle (%)	80	80	80
Dimension (mm)	750 X 1100 X 1150	800 X 1050 X 1400	800 X 1050 X 1400
Weight (kg)	415	700	720
Function	· Ideal welding quality for wide industry yard such as ship building, construction · Excellent welding quality by sufficient capacity of transformer with patent technology · High quality by AC-DC power supply combination (TANDEM) LONGRUN WS SERIES SCR CONTROL 50/60Hz SUBMERGED CC DC		
	· Ideal welding quality for wide industry yard such as ship building, construction · Excellent welding quality by sufficient capacity of transformer with patent technology · High quality by AC-DC power supply combination (TANDEM) LONGRUN WS SERIES SCR CONTROL 50/60Hz SUBMERGED CC DC		

Arc Air Gouging Machine

SUBMERGED ARC WELDER / ARC AIR GOUGING

Specifications

	1000WG	1200WG	1500WG	2000WG
Input voltage (V, PH)	200/380/440, 3	200/380/440, 3	200/380/440, 3	200/380/440, 3
Input capacity (KVA)	80	95	120	160
Open circuit voltage (V)	90	90	92	92
Output current (A)	20~1000	200~1200	300~1500	300~2000
Gouging rod thickness (Φ)	4~10	4~12	4~16	4~16
Duty cycle (%)	80	80	80	80
Dimension (mm)	565 X 885 X 1050	565 X 885 X 1050	710 X 1010 X 1290	800 X 1050 X 1400
Weight (kg)	335	375	550	580
Function	• Suitable for MIG-MAG welding reforming • Various usage in different formation such as hole expansion, cutting, grooving, bead removal			• Suitable for MIG-MAG welding reforming • Various usage in different formation such as hole expansion, cutting, grooving, bead removal

Feature

- Suitable for MIG-MAG welding reforming
- Various usage in different formation such as hole expansion, cutting, grooving, bead removal
- High duty cycle by sufficient capacity of transformer with patent technology
- Easy to verify output current by ammeter on duty
- Incurruptible painting case

Inverter Submerged Arc Welder

Feature

- Best welding quality by IGBT Inverter control technology
- Energy saving and high efficiency
- Over-load protect function
- Gouging function (Optional)



1200PDS CE



1500PDS CE

Specifications

	1200PDS	1500PDS
Input voltage (V, PH)	220/380/440, 3	220/380/440, 3
Input capacity (KVA)	67	97
Open circuit voltage (V)	82	123
Output current (A)	DC 100~1000	DC 100~1500
Duty cycle (%)	80	80
Dimension (mm)	420 X 1060 X 800	420 X 1060 X 840
Weight (kg)	150	170
Function	• Best welding quality by IGBT Inverter control technology • Energy saving and high efficiency • Over-load protect function	



Welding Tractor : 45CA
+
Welding Powersource : 1200PDS



Welding Rod Flux Dry Oven Flux Recovery



Welding rod dry oven



Flux dry oven

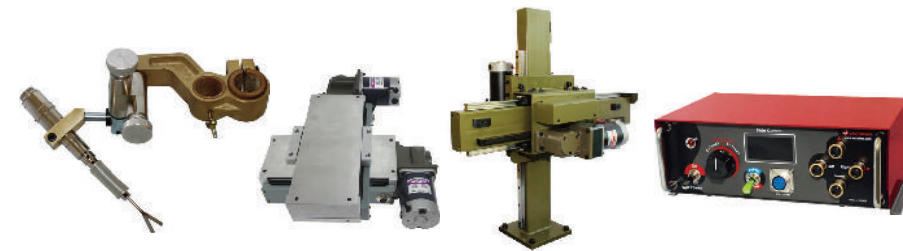


Flux recovery

Specifications

	LWD100	LWD200	LFD100	LFD200
Input voltage (V, PH)	380V, 3	380V, 3	380V, 3	380V, 3
Input capacity (KVA)	3.3	4.5	3.3	5.4
Dry capacity (kg)	100	200	100	200
Welding rod (mm)	450~550	450~550	-	-
Temperature (°C)	50~400	50~400	50~400	50~400
Control	Electric	Electric	Electric	Electric
Weight (kg)	130	170	85	160
Internal dimension (mm)	320 X 550 X 500	500 X 550 X 600	400 X 440 X 620	550 X 550 X 700
External dimension (mm)	740 X 690 X 830	920 X 690 X 930	890 X 630 X 1330	1050 X 810 X 1480

Seam tracker



Specifications

	WST200	WST300
Rated Loading capacity (kg)	200	200
Input voltage (V,Ph)	AC 110, 1	AC 110, 1
X/Y Tracking range (mm)	400/300	400/300
Tracking speed (mm/min)	150	150
Tracking accuracy (mm)	0.05~0.5	0.05~0.5
Allowable moment (kg-cm)	2000	2000
X/Y Driving motor (W)	90	90
Driving method	Motor Drive - Reducer - Ball Screw - Seam Tracking	Motor Drive - Reducer - Ball Screw - Seam Tracking
Control type	Up, Down, Left, Right, Pull up Right, Both, Left, Full up, Remote control	Up, Down, Left, Right, Pull up Right, Both, Left, Full up, Remote control
Welding type	Submerged (TANDEM / SINGLE)	Submerged (TANDEM / SINGLE)
Weight (kg)	60	60
Function	- Improved working conditions and efficiency - Clean and uniform welding bead - Simple operation, minimization of defective rate and labor cost reduction - Fillet, butt welding device, welding device of square and building structure, round tank straight line and inner and outer welding device	

Submerged Arc Welding Tractor



Specifications

	25CT	45CA	LS7
Application wire diameter (Φ)	4.0~6.4	2.4~4.8	2.4~4.8
Welding speed (cm/min)	0~150	0~100	0~100
Nozzle adjustment range (V/H)	75/100	50/50	150/100
Hopper capacity (L)	12	6	6
Wire feeding motor (W)	DC 100	DC 60	DC 125 (Print)
Speed control	SCR Control	SCR Control	SCR Control
Welding power	AC or DC	AC or DC	AC or DC
Applicable welding	TANDEM	BUTT JOINT	Inner / Outer circular tank, pipe
Dimension (mm)	1530 X 730 X 1500	960 X 450 X 690	920 X 570 X 860
Weight (kg)	170	50	35

Function

- Ideal to use wide welding industry such as shipbuilding, steel frame and automobile industry
- High quality bead by steady welding
- Excellent strength, hardness and efficient operation of panel centralization
- High productivity with tandem welding system
- Smooth wire feeding by powerful motor
- Wide adjustment of electrode gap and angle
- Welding auto travel mode (Auto start / finish)
- Ideal for H-Beam Fabricating (25CT)
- Auto flux recovery system (25CT, Optional)
- Extra wire reel 70kg (25CT, Optional)



- Ideal to use wide welding industry such as shipbuilding, steel frame and automobile industry
- High quality bead by steady welding
- Excellent strength, hardness and efficient operation of panel centralization
- Smooth wire feeding by powerful motor
- Wide adjustment of electrode gap and angle
- Welding auto travel mode (Auto start / finish) (Optional)
- Optimized for welding inner and outer circular tank or pipe with 3 wheels

Tungsten Grinder



Specifications

	200LTG
Input power	200, 1
Grind wheel motor	90W, 3000PRM
Rotator motor	10W, 270RPM
Fuse (A)	3
Dimension (mm)	Main : 150 X 310 X 220, Rotator Ø40 X 150
Weight (kg)	Main : 5, Rotator : 0.6

Function

- Precise, quiet and easy to use
- Electrode diameters : 1.6mm, 2.0mm, 2.4mm, 3.2mm
- Easy and stable to grind by rotation electrode holder
- Economical : Diamond wheel moving itself to grind evenly and economically
- Weld quality : It improves tungsten life, arc starting, arc stability and produces consistent weld penetration