



## OUR MAIN OFFICE IN SURABAYA

Jln. Arief Rahman Hakim 51  
Komplek Ruko 21 Klampis D-1  
Surabaya 60117

Web : <https://adnsby.co.id>

Telp : 031-599 0089  
031-599 7259

Fax : 031-596 6099

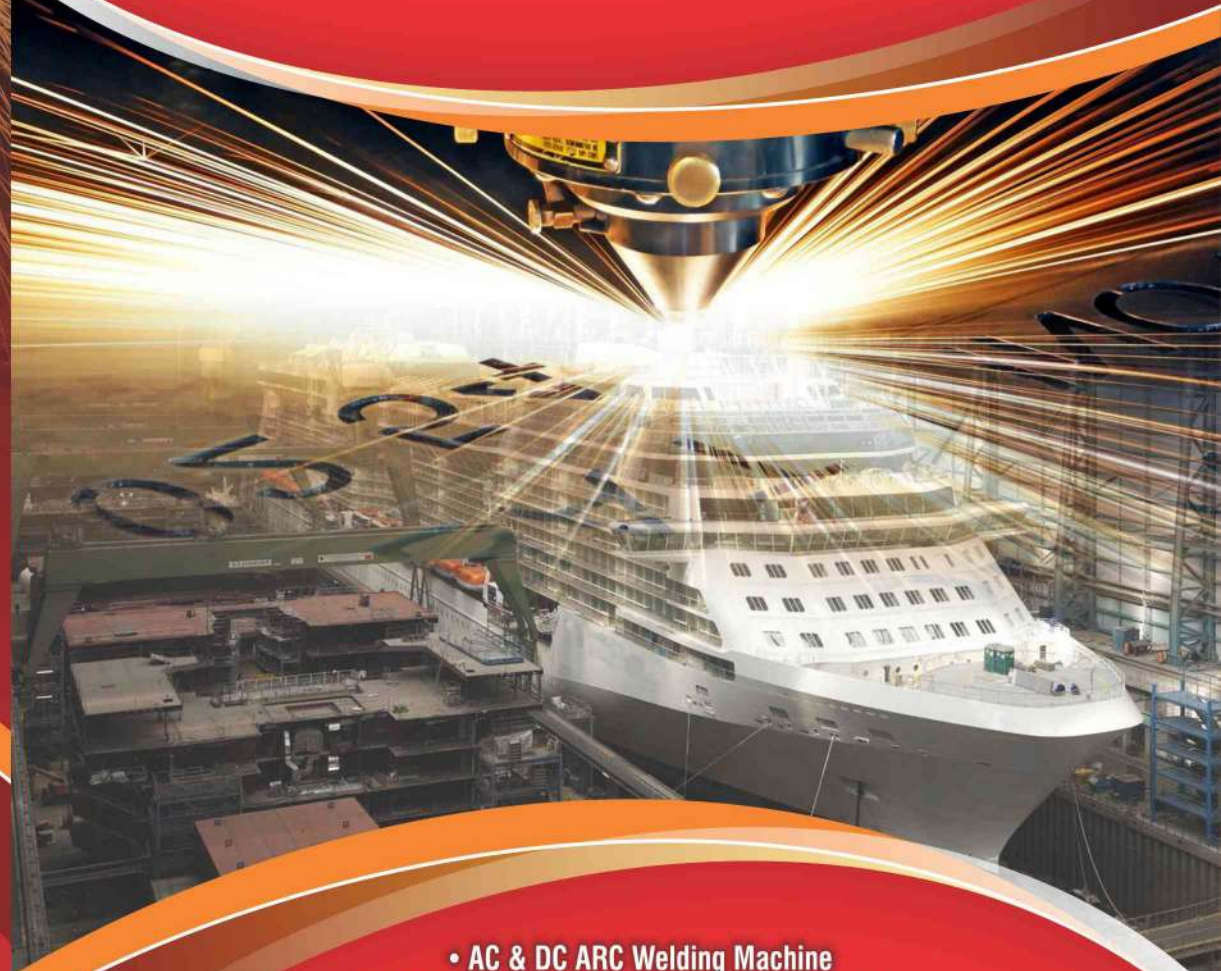
WA : 0851 0199 2232  
0877 2596 6999

E-mail : [adn\\_office@yahoo.com](mailto:adn_office@yahoo.com)  
[salesadnsby@gmail.com](mailto:salesadnsby@gmail.com)



# ANUGRAH DUTA NIAGA

SALES | SERVICE | SPARE PART | RENTAL



- AC & DC ARC Welding Machine
- Co<sub>2</sub> / MAG / MIG Automatic Welding Machine
- Inverter Welding Machine • TIG Welding Machine
- Plasma Cutting Machine • Auto Welding Helmet
- TIG / Co<sub>2</sub> / MAG / MIG / Air Plasma Torch • Welding Cable
- Sand Blasting Equipment & Media Sandblast
- and much more accessories & parts

# WELDING MACHINE



## INVERTER-SUBMERGED ARC WELDING MACHINE

MODEL	MZ-630D	MZ-1000D	MZ-1250D
INPUT VOLTAGE (V)	3 x 380V ± 10% ; 50/60 Hz		
INPUT POWER CAPACITY (kVA)	35	50	60
OPEN CIRCUIT VOLTAGE (V)	75 - 85		
RATED OUTPUT VOLTAGE (V)	44		
WELDING CURRENT RANGE (A)	100 - 630	100 - 1000	100 - 1200
DUTY CYCLE	100%		60%
WELDING WIEE DIA	2.0 / 2.5 / 3.0	2.0 / 3.0 / 4.0 / 5.0	3.0 / 4.0 / 5.0 / 6.0
DIMENSION (LxWxH) (mm)	660 x 350 x 730	590 x 490 x 1250	
WEIGHT (kg)	68	120	135
STANDARD ACCESSORIES			
RAIL	2 pcs @ 1 m		
CONTROL CABLE	1 pcs (10m)		
WELDING CABLE	1 pcs (10m)		



MZ-1250D



MODEL	MZ - 3C
SENDING WIRE SPEED (cm/min)	20 - 200
SENDING WIRE MODE	changing speed/constant speed
WELDING SPEED (cm/min)	15 - 150
WELDING HEAD ADJUST RANGE (PLUMB) (mm)	95
WELDING HEAD ADJUST RANGE (HORIZONTAL) (mm)	+ 35
THE STUD UP/DOWN RANGE (mm)	100
WELDING HEAD DEFLECTION ANGLE (LEFT-RIGHT)	45°
WELDING HEAD DEFLECTION ANGLE (FRONT REAR)	60°
DIMENSIONS (mm)	920 x 455 x 820
WEIGHT (kg)	52



## WELDING MACHINE

### DC MMA THYRISTOR WELDING MACHINE



MODEL	DC-400C
INPUT VOLTAGE	3 x 380V $\pm$ 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	34
NO-LOAD VOLTAGE (V)	65
WELDING CURRENT RANGE (A)	50 - 400
DUTY CYCLE	60%
DIMENSION (LxWxH) (mm)	680 x 380 x 738
WEIGHT (kg)	150
<b>STANDARD ACCESSORIES</b>	
BASE METAL SIDE CABLE	1 Pcs
ELECTRODE HOLDER	1 Pcs



## WELDING MACHINE

### DC MMA INVERTER WELDING MACHINE



MODEL	ZX7-800A
INPUT VOLTAGE	3 x 380V $\pm$ 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	40
INPUT CURRENT (A)	60
NO-LOAD VOLTAGE (V)	85
OUTPUT CURRENT RANGE (A)	100 - 800
DUTY CYCLE	60%
DIMENSION (LxWxH)(mm)	590 x 490 x 1060
WEIGHT (kg)	110
<b>STANDARD ACCESSORIES</b>	
ELECTRODE HOLDER	1 Pcs (>3m)
BASE METAL SIDE CABLE	1 Pcs (>3m)



## WELDING MACHINE

### DC MMA INVERTER WELDING MACHINE

**DC/CC 3 PHASE INDUSTRIAL  
MMA DC**

**Features and benefits:**

- Small size, light weight (29kg), move easily
- Adjustable arc force & hot start
- Easy arc starting, little spatter
- Digital display
- Key components with special protection
- Overheat, overcurrent, short circuit and default phase protection

**Recommended areas of use:**

- Industry plant construction
- Pipeline and shipbuilding industry
- Maintenance and repairer

**Recommended base metals:**

- Carbon steel
- Alloy steel



MODEL	ARC-400
INPUT VOLTAGE	3 x 380V ± 10%; 50/60 Hz
INPUT POWER (kVA)	18.4
INPUT CURRENT (A)	28
POWER FACTOR	0.95
DUTY CYCLE	60
OUTPUT OPEN-LOAD VOLTAGE (V)	70
WELDING CURRENT (A)	20 - 400
ARC FORCE CURRENT (A)	250 - 330
HOT START CURRENT (A)	150
PROTECTION GRADE	IP21S
INSULATION GRADE	H
DIMENSION (LxWxH) (mm)	501 x 232 x 495
WEIGHT (kg)	29
<b>STANDARD ACCESSORIES</b>	
ELECTRODE HOLDER	1 Pcs
GROUND CLAMP	1 Pcs

## WELDING MACHINE



### DC MMA INVERTER WELDING MACHINE

**Specially Designed For Shipyard**

**DC/CC 3 PHASE INDUSTRIAL  
MMA DC**

**Features and benefits:**

- Adjustable arc force & hot start
- Designed for demanding industrial environments
- Long distance welding (up to 50m)
- Easy arc starting, little spatter
- Digital display
- Heavy duty design
- Extra protection for PCB board
- IP23 protection grade: designed to be humid, salt fog, and sand proof

**Recommended areas of use:**

- Shipbuilding and offshore engineering
- Pipeline industry
- Industry plant construction
- Maintenance and repairer

**Recommended base metals:**

- Carbon steel
- Alloy steel



MODEL	ARC-400SI
INPUT VOLTAGE	3 x 380V ± 10%; 50/60 Hz
INPUT POWER (kVA)	18.4
INPUT CURRENT (A)	28
DUTY CYCLE	60
WELDING CURRENT (A)	20 - 400
INSULATION GRADE	H/B
DIMENSION (LxWxH) (mm)	576 x 297 x 5557
WEIGHT (kg)	43
<b>STANDARD ACCESSORIES</b>	
POWER SOURCE	1 Pcs
CONNECTED PRIMARY CABLE	1 Pcs
ELECTRODE HOLDER WITH CABLE	1 Pcs
GROUND CLAMP WITH CABLE	1 Pcs



## WELDING MACHINE

### DC MMA INVERTER WELDING MACHINE



# FARC 200

MODEL	FARC200
INPUT VOLTAGE	1 x 220V ± 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	6
OPEN CIRCUIT VOLTAGE (V)	60
WELDING CURRENT RANGE (A)	10 - 200
DUTY CYCLE	60%
WEIGHT (kg)	18
DIMENSION (LxWxH) (mm)	425 x 195 x 310
<b>STANDARD ACCESSORIES</b>	
ELECTRODE HOLDER	1 Pcs
BASE METAL SIDE CABLE	1 Pcs



## WELDING MACHINE

### AC/DC PULSE TIG WELDING MACHINE



# ADC 200

MODEL	ADC 200
INPUT VOLTAGE	1 X 220V ± 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	6
OPEN CIRCUIT VOLTAGE (V)	70
CUTTING CURRENT RANGE (A)	DC: 5 -200 AC : 20 -200
PULSE FREQUENCY RANGE (Hz)	0.5 - 25
PULSE WIDTH RANGE	0.1 - 0.9
CURRENT UP-SLOPE/DOWN-SLOPE (sec)	0 - 10/0 - 10
AC FREQUENCY RANGE (Hz)	20 - 100
SP VALUE (BALANCE)	0.1 - 0.9
ARC FORCE ADJUSTING	MMA : 0 - 10
DUTY CYCLE	60%
GAS POST FLOW (sec)	1 - 25
DIMENSION (LxWxH) (mm)	515 x 220 x 395
WEIGHT (kg)	25
<b>STANDARD ACCESSORIES</b>	
TIG TORCH	1 Pcs WP-26/4M (air-cooled)
BASE METAL SIDE CABLE	1 Pcs (1.8m)
ARGON HOSE	1 Pcs (2m)



## WELDING MACHINE & COOLING UNIT

### AC/DC PULSE TIG WELDING MACHINE



MODEL	ACDCWT-315D
INPUT VOLTAGE	3 x 380 V ± 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	10
OPEN CIRCUIT VOLTAGE (V)	70
PULSE CURRENT ADJUSTING RANGE (A)	DC : 5 - 315 AC : 30 - 315
WELDING CURRENT ADJUSTING RANGE (A)	DC : 5 - 315 AC : 30 - 315
INITIAL CURRENT ADJUSTING RANGE (A)	DC : 5 - 315 AC : 40 - 315
CRATER CURRENT ADJUSTING RANGE (A)	DC : 5 - 315 AC : 40 - 315
PULSE FREQUENCY RANGE (Hz)	0.5 - 25
PULSE WIDTH RANGE	0.1 - 0.9
CURRENT UP-SLOPE / DOWN-SLOPE (sec)	0 - 10 / 0 - 10
AC FREQUENCY RANGE (Hz)	20 - 100
SP VALUE (BALANCE)	0.1 - 0.9
ARC STARTING MODE	HIGH FREQUENCY ARC STRIKING
CRATER FILLER MODE	ON / OFF / REPEAT
DUTY CYCLE	60%
GAS POST FLOW (sec)	1 - 25
DIMENSION (LxWxH) (mm)	507 x 305 x 590
WEIGHT (kg)	48
<b>STANDARD ACCESSORIES</b>	
TIG TORCH	1 pcs (4m)
BASE METAL SIDE CABLE	1 pcs (1.8m)
ARGON HOSE	1 pcs (2m)

### COOLING WATER UNIT



MODEL	WWC-9
RATED INPUT VOLTAGE (V)	1 x 220V ± 10% ; 50 Hz
MOTOR (Watt)	260
DUTY CYCLE	100%
TANK CAPACITY (L)	9
FLOW RATE	8.5L / min at 6Mh
OPERATING TEMPERATURE (°C)	0 - 10
DIMENSION (LxWxH) (mm)	480 x 260 x 310
WEIGHT (kg)	14.5
HEAD OF DELIVERY (m)	12



## WELDING MACHINE

### DIGITAL INVERTER PULSE TIG WELDING MACHINE

#### Features:

- Digital display
- 2 step / 4 step
- MCU Control
- Multi-parameters adjustment
- Self-diagnostic function with error-code display
- High-speed pulse

#### Recommended base metals:

- Carbon steel
- Stainless steel
- Copper
- Alloy steel
- Titanium

#### Recommended areas of use:

- Bicycle
- Fitness equipment
- Stainless furniture
- Maintenance and repair
- Industry plant construction
- Containers manufacture
- Shipbuilding
- Pipeline industry

#### Standard equipments:

- 1 Water cooled TIG torch
- 1 Ground clamp with 3 meters cable



MODEL		WT-315DC	
INPUT VOLTAGE		3 x 380V ± 10%; 50 Hz	
INPUT POWER CAPACITY (kVA)		14.5	
INPUT CURRENT (A)		22	
DUTY CYCLE		60%	
TIG	DC TIG	WELDING CURRENT (A)	5 - 315
	DC PULSE	PEAK CURRENT (A)	5 - 315
		BASE CURRENT (A)	5 - 315
	TIG	PULSE DUTY CYCLE	1 - 100%
		PULSE FREQUENCY (Hz)	0.2 - 20
	ARC START CURRENT (A)		10 - 160
	ARC STOP CURRENT (A)		5 - 315
	UP-SLOPE TIME (sec)		0.1 - 10
	DOWN-SLOPE TIME (sec)		0.1 - 15
	PRE-GAS TIME (sec)		0.1 - 15
POST-GAS TIME (sec)		0.1 - 60	
MODE OF CRATER FILLER CURRENT		2/4 STEP	
TIG START ARC TYPE		HF	
MMA	WELDING CURRENT (A)		5 - 315
	ARC FORCE CURRENT (A)		10 - 200
	START ARC CURRENT (A)		20 - 160
DIMENSION (LxWxH)(mm)		600 x 310 x 550	
WEIGHT (kg)		42	



## WELDING MACHINE

### DIGITAL INVERTER AC/DC TIG WELDING MACHINE

#### Features and Benefits:

- Digital display
- 2 step / 4 step
- Adjustable clean ratio for perfect Al welding
- Adjustable AC frequency
- Work with foot pedal for remote control
- Self-diagnostic function with error-code display
- 5 different AC waveform output (optional)
- Synchronous mutual arc feature (optional)
- 30 units of parameters memory channels (optional)



#### Recommended base metals:

- Carbon steel
- Stainless steel
- Copper
- Alloy steel
- Titanium

#### Recommended areas of use:

- Bicycle
- Fitness equipment
- Stainless furniture
- Maintenance and repair
- Industry plant construction
- Containers manufacture
- Shipbuilding
- Pipeline industry

#### Standard equipment:

- 1 Water cooled TIG torch
- 1 Ground clamp with 3 meters cable

MODEL	WT-315DI
INPUT VOLTAGE	3 x 380V ± 10%; 50 Hz
INPUT POWER CAPACITY (kVA)	13
INPUT CURRENT (A)	20
DUTY CYCLE	60%
OPEN-LOAD VOLTAGE (V)	74
RANGE OF WELDING CURRENT (A)	5 - 315
START ARC CURRENT (A)	10 - 160
PEAK CURRENT (A)	5 - 315
ARC STOP CURRENT (A)	5 - 315
UP-SLOPE TIME (sec)	0.1 - 10
DOWN-SLOPE TIME (sec)	0.1 - 15
PRE-GAS TIME (sec)	0.1 - 15
POST-GAS TIME (sec)	0.1 - 60
PULSE FREQUENCY (Hz)	0.2 - 20
PULSE DUTY CYCLE	1 - 100
AC FREQUENCY (Hz)	20 - 200
TIG ARC START TYPE	HF
ARC FORCE CURRENT (A)	10 - 200
PROTECTION DEGREE	IP21S
INSULATION DEGREE	H
OXIDE CLEAN RATIO	-40% - +40%
DIMENSION (LxWxH)(mm)	655 x 325 x 560
WEIGHT (kg)	50

## WELDING MACHINE



### DC INVERTER PULSE TIG WELDING MACHINE



## TIG 160P

## TIG 200P

MODEL	TIG 160P	TIG 200P	WSM 200
INPUT VOLTAGE	1 x 220V ± 10%; 50/60 Hz		
INPUT POWER CAPACITY (kVA)	3.2	6	
OPEN CIRCUIT VOLTAGE (V)	70		
WELDING CURRENT RANGE (A)	5 - 160	5 - 200	
CURRENT UP-SLOPE/DOWN-SLOPE (sec)	0 - 5		
GAS FLOW TIME (sec)	0 - 10		
PULSE FREQUENCY RANGE (Hz)	0.5 - 25		
PULSE WIDTH RANGE	0.1 - 0.9		
DUTY CYCLE	35%		60%
DIMENSION (LxWxH) (mm)	305 x 165 x 265	425 x 195 x 310	
WEIGHT (kg)	9.8	16	18
<b>STANDARD ACCESSORIES</b>			
TIG TORCH	1 Pcs WP-17/4M (air cooled)	1 Pcs WP-26/4M (air cooled)	
BASE METAL SIDE CABLE	1 Pcs (1.8m)		
ARGON HOSE	1 Pcs (2m)		



## WELDING MACHINE

### SUPERTIG (AC/DC) INVERTER PULSE WELDING MACHINE



**SuperTIG  
315EX**

MODEL		SUPER TIG-315EX
VOLTAGE		3 x 380V ± 10%; 50/60 Hz
AC TIG	NO-LOAD VOLTAGE	80V
	WELDING CURRENT	20 - 315A
	ADJUSTING RANGE	
	AC BALANCE	10 % - 90%
	AC SQUARE WAVE	
	FREQUENCY	20 - 250 Hz
	DUTY CYCLE	35%
	PRE-FLOW/POST-FLOW TIME	0 - 10 secs / 0 - 25 secs
DC TIG	SPOT TIME	0 - 10 secs
	CURRENT ADJUSTING RANGE	10 - 315A
	DUTY CYCLE	35%
	CURRENT UP-SLOPE/DOWN-SLOPE TIME	0 - 10 secs / 0 - 25 secs
	PULSE (BASE) CURRENT	10 - 315A
	PULSE TIME ON	0.1 - 0.9
	PULSE FREQUENCY	0.2 - 25 (25 - 250) Hz
	POST FLOW TIME	0 - 25 secs
DC MMA	ARC STARTING MODE	HIGH FREQUENCY ARC STRIKING / LIFT
	PRE FLOW	0 - 10 secs
	NO-LOAD VOLTAGE	80V
	CURRENT RANGE	20 - 250A
	OUTPUT CURRENT	250A
	DUTY CYCLE	35%
	EFFICIENCY	≥ 83%
	WEIGHT (kg)	36
PROTECTION CLASS OF ENCLOSURE		IP21S
DIMENSION (LxWxH) (mm)		470 x 235 x 435



**SuperTIG  
250P**

MODEL		SUPER TIG-250P
VOLTAGE		3 x 380 / 400 / 415 ± 10%; 50/60 Hz
DC TIG	CURRENT ADJUSTING RANGE	10 - 250A
	DUTY CYCLE	60%
	CURRENT UP-SLOPE/DOWN-SLOPE TIME	0 - 10 secs / 0 - 25 secs
	PULSE (BASE/AMP) CURRENT RATIO	5% - 95%
	PULSE TIME ON	0.1 - 0.9
	PULSE FREQUENCY	0.5 - 25 (25 - 250) Hz
	POST FLOW TIME	0 - 25 secs
	ARC STARTING MODE	HIGH FREQUENCY ARC STRIKING
DC MMA	PRE FLOW	0 - 10 secs
	START/END AMPS	10 - 250A / 10 - 250A
	NO-LOAD VOLTAGE	70V
	CURRENT RANGE	10 - 200A
	OUTPUT CURRENT	200A
	DUTY CYCLE	60%
	EFFICIENCY	≥ 83%
	WEIGHT (kg)	18
PROTECTION CLASS OF ENCLOSURE		IP21S
DIMENSION (LxWxH) (mm)		470 x 235 x 435

## WELDING MACHINE



### INVERTER PLASMA CUTTING MACHINE



MODEL	WP 60A	WP 80A	WP 200A
INPUT VOLTAGE	3 x 380V ± 10%; 50/60 Hz		
INPUT POWER CAPACITY (kVA)	8.8	13	32
OPEN CIRCUIT VOLTAGE (V)	185	200	200
CUTTING CURRENT RANGE (A)	20 - 60	20 - 80	20 - 200
DUTY CYCLE	60%		
CUTTING MODE	NON-CONTACT		
MAX CUTTING THICKNESS (mm)	20	32	65
QUALITY CUTTING THICKNESS (mm)	MS : 15 SS : 10	MS : 30 SS : 25	MS : 50 SS : 45
DIMENSION (LxWxH) (mm)	520 x 260 x 540	570 x 305 x 590	670 x 600 x 690
WEIGHT (kg)	30	42	68
<b>STANDARD ACCESSORIES</b>			
GROUND CLAMP	1 Pcs (1.8m)		
PLASMA CUTTING TORCH	1 Pcs		
REGULATOR CO2 HEATER 110V	1 Pcs		





## WELDING MACHINE

### INVERTER PLASMA CUTTING MACHINE



MODEL	WP 40A	WP 120A
INPUT VOLTAGE	1 x 230V $\pm$ 10%; 50/60 Hz	3 x 380V $\pm$ 10%; 50/60 Hz
INPUT POWER CAPACITY (kVA)	5.2	25.7
OPEN CIRCUIT VOLTAGE (V)	285	345
CUTTING CURRENT RANGE (A)	15 - 40	30 - 120
DUTY CYCLE	60%	
CUTTING MODE	CONTACT	NON-CONTACT
MAX CUTTING THICKNESS (mm)	12	40
QUALITY CUTTING THICKNESS (mm)	MS : 10 SS : 6	MS : 35 SS : 30
DIMENSION (LxWxH) (mm)	391 x 155 x 298	576 x 297 x 557
WEIGHT (kg)	9	43.5
<b>STANDARD ACCESSORIES</b>		
GROUND CLAMP	1 Pcs	
PLASMA CUTTING TORCH	1 Pcs	
REGULATOR	BUILT-IN	1 Pcs



## WELDING MACHINE

### CO2/MAG/MIG AUTOMATIC WELDING MACHINE



MODEL	WM-200C	WM-270C	WM-315C
INPUT VOLTAGE	1 x 220V $\pm$ 10%; 50/60 Hz	3 x 380V $\pm$ 10%; 50/60 Hz	
INPUT POWER CAPACITY (kVA)	7.6	10.8	15.2
WELDING VOLTAGE (V)	10		
WELDING CURRENT RANGE (A)	40 - 200	40 - 270	50 - 315
DUTY CYCLE	40%		
WELDING WIRE DIAMETER (mm)	0.8 / 1	0.8 / 0.9 / 1	0.8 / 0.9 / 1 / 1.2
WELDING THICKNESS (mm)	0.9 - 6	0.9 - 6	0.9 - 12
DIMENSION (LxWxH) (mm)	650 x 360 x 700		
WEIGHT (kg)	60	80	98
WIRE FEEDER MODEL	BUILT-IN		
<b>STANDARD ACCESSORIES</b>			
BASE METAL SIDE CABLE	1 Pcs (1.8m)		
WELDING TORCH	1 Pcs (3m)		
REGULATOR CO2 HEATER 110V	1 Pcs		



## WELDING MACHINE

### CO2/MAG/MIG AUTOMATIC WELDING MACHINE



MODEL	WM-350F	WM-500F
INPUT VOLTAGE	3 x 380V $\pm$ 10%; 50/60 Hz	
INPUT POWER (kVA)	18.1	31.9
WELDING VOLTAGE RANGE (V)	16 - 36	16 - 45
WELDING CURRENT RANGE (A)	50 - 350	50 - 500
DUTY CYCLE	60%	
WELDING WIRE DIAMETER (mm)	0.8 / 1.0 / 1.2	0.8 / 1.0 / 1.2 / 1.6
WELDING THICKNESS (mm)	0.9 - 12	1.2 - 25
DIMENSION (LxWxH) (mm)	680 x 380 x 738	700 x 438 x 780
WEIGHT (kg)	150	210
<b>STANDARD ACCESSORIES</b>		
WIRE FEEDER	1 Unit (SB-10)	
WELDING TORCH	1 Pcs (3m)	
REGULATOR CO2 HEATER 110V	1 Pcs	
BASE METAL SIDE CABLE	1 Pcs (1.8m)	
WELDING CABLE	1 Pcs (3m)	



## WELDING MACHINE

### CO2 / MAG / MIG / DOUBLE PULSE WELDING MACHINE

#### Full digital synergic pulse MIG

#### 3 Phase Industrial

#### Features and benefits:

- Wire diameter selection
- 2 step / 4 step / spot welding
- Fan on demand
- Synergic control allows to set weld procedures with only one control for simplicity
- Embedded welding expert database
- 100 units of parameters memory channels
- Long distance welding (up to 30m)
- Work with robot (optional)
- Multi Process capable (optional)
- Full digital wire feeder with digital torch (optional)

#### Recommended areas of use:

- Containers manufacture
- Machinery industry
- Automobile
- Construction of rail vehicles
- Shipbuilding and offshore engineering
- Carbon steel
- Stainless steel
- Aluminum
- Al-Mg alloy
- Al-Si alloy



MODEL	WM-350FA	WM-500FA
INPUT VOLTAGE	3 x 380V $\pm$ 10%; 50/60Hz	
INPUT POWER (kVA)	14	25
INPUT CURRENT (A)	21	38
OUTPUT VOLTAGE (V)	31.5	39
DUTY CYCLE	60%	
OPEN-LOAD VOLTAGE (V)	85	
WELDING CURRENT RANGE (A)	20 - 350	20 - 500
OUTPUT VOLTAGE RANGE (V)	14 - 40	14 - 50
TORCH COOLING STYLE	WATER COOLED / GAS COOLED	
WIRE DIAMETER (mm)	0.8 / 1.0 / 1.2 / 1.6	
DIMENSION (LxWxH) (mm)	576 x 297 x 574	636 x 322 x 584
WEIGHT (kg)	45	53
<b>STANDARD ACCESSORIES</b>		
POWER SOURCE	1 Pcs	
CONNECTED PRIMARY CABLE	1 Pcs (3m)	
GROUND CABLE WITH QUICK PLUG	1 Pcs (3m)	
WATER COOLED TORCH	1 Pcs (3m)	
CLOSE TYPE 4 ROLLERS WIRE FEEDER WITH 2M CABLE AND EURO CONNECTION	1 Pcs	
TROLLEY	1 Pcs	
WATER COOLING UNIT	1 Pcs	



## WELDING MACHINE

### INVERTER CO2 / MAG / MIG WELDING MACHINE



MODEL	WM-250I
INPUT VOLTAGE	1 x 220/230/240V ± 10%; 50/60Hz
INPUT POWER CAPACITY (kVA)	9
INPUT CURRENT (A)	40
NO-LOAD VOLTAGE (V)	74
VOLTAGE ADJUSTING RANGE (V)	14 - 26.5 ± 3
CURRENT OUTPUT RANGE (A)	MIG / MAG: 30 - 250 MMA: 20 - 200
SUITABLE WIRE DIAMETER (mm)	0.6 / 0.8 / 1
DUTY CYCLE	250A / 26.5V = 35% 200A / 24V = 60% 160A / 22V = 100%
<b>STANDARD ACCESSORIES</b>	
WELDING TORCH	1 Pcs (MB15-AK)

## WELDING MACHINE



### INVERTER CO2 / MAG ARC WELDING MACHINE

Carry-on design makes an easier moving

#### 3 Phase Industrial CO / MAG

#### Features and benefits:

- Lower power consumption
- IP23 Protection grade, designed to be humid, salt fog, and sand proof
- Extra protection for PCB board
- Fast plug-in design for wire feeder connecting, welding cables, control cables
- Ideal for mobile welding application
- Suitable for long distance welding (up to 50m)

#### Recommended base metals:

- Mild steel
- Alloy steel

#### Recommended areas of use:

- Industry plant construction
- Containers manufacture
- Machinery industry
- Shipbuilding and offshore engineering
- Automobile
- Metal shop



MODEL	WM-350SI	WM-500SI
INPUT VOLTAGE	3 x 380V ± 10%; 50/60Hz	
INPUT POWER (kVA)	14	25
INPUT CURRENT (A)	21	38
OUTPUT VOLTAGE (V)	36	39
DUTY CYCLE	60%	
OPEN LOAD VOLTAGE (V)	72	81
WELDING CURRENT RANGE (A)	60 - 350	60 - 500
WELDING VOLTAGE RANGE (V)	15 - 40	15 - 60
WIRE DIAMETER (mm)	0.8 / 1.0 / 1.2	1.0 / 1.2 / 1.6
WIRE FEEDING TYPE	WIRE PUSHING	
INSULATION DEGREE	H/B	
DIMENSION (LxWxH) (mm)	576 x 297 x 557	636 x 322 x 584
WEIGHT (kg)	35	50
<b>STANDARD ACCESSORIES</b>		
POWER SOURCE	1 Pcs	
WIRE FEEDER	1 Unit	
TORCH 350A	1 Pcs (3m)	
WELDING CABLE GROUND	1 Pcs (3m)	
REGULATOR CO2 HEATER 36V	1 Pcs	
CONNECTED PRIMARY CABLE	1 Set (3m)	



## WELDING MACHINE

### STUD WELDING MACHINE



MODEL	CD-1500
INPUT VOLTAGE	1 x 220V $\pm$ 10%; 50 Hz
STUD RANGE	M3 - M8
DUTY CYCLE	12 Pcs/minute
CHARGE VOLTAGE	30 - 180 V Stepless
INPUT POWER (VA)	800
DIMENSION (LxWxH)	450 x 200 x 330
WEIGHT (kg)	23

## CNC PLASMA CUTTING

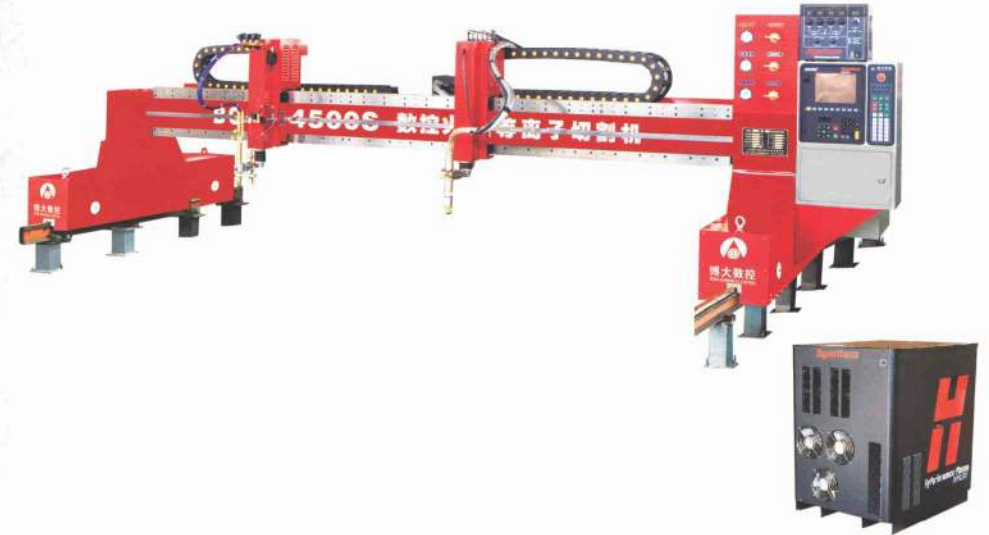


ITEMS	PARAMETER
Machine Power Supply	220V±5%, 50Hz±1%
Effective Cutting Area	1500x3000mm
Unload Speed	4000mm/min
Cutting Speed	Flame 50-700mm/min
Cutting Thickness	Flame 6-120mm
Piecing Thickness	Flame ≤60mm
Machine Material	6063 Al Alloy
Machine Weight	130kg

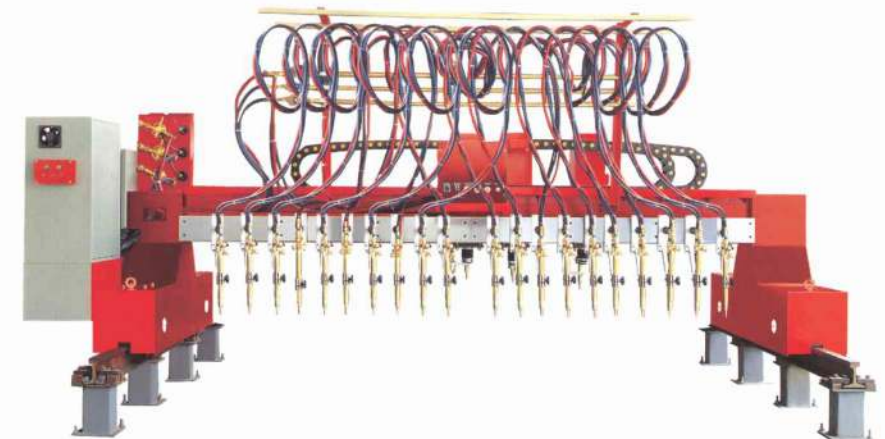
## CNC PLASMA CUTTING

### CNC Plasma Cutting & Gas Cutting Machine

(Single/Double Side Driven)

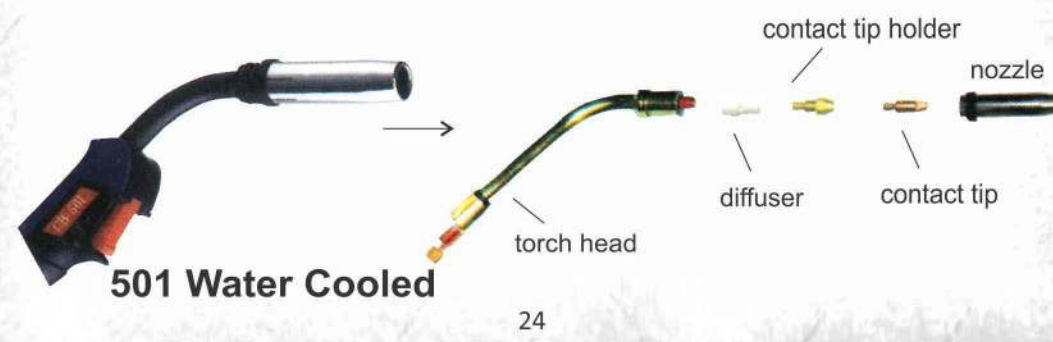
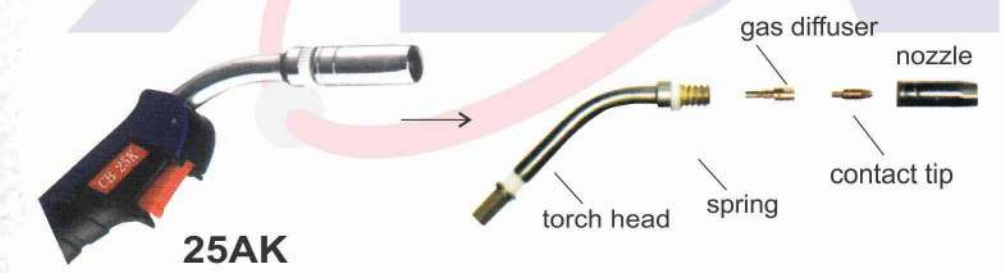


### Strip Home Cutting Machine



# MIG TORCH

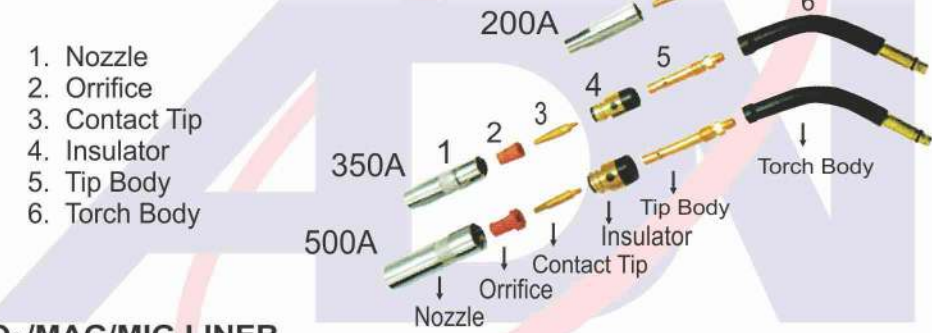
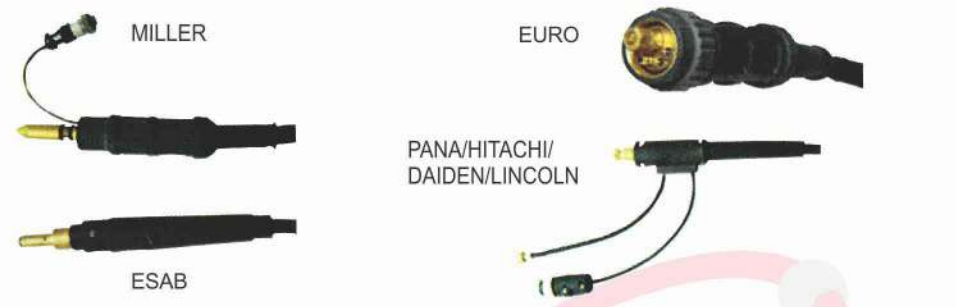
## MIG TORCH



# CO<sub>2</sub>/MAG/MIG TORCH

## CO<sub>2</sub>/MAG/MIG TORCH & REPLACEMENT PARTS

### CO<sub>2</sub>/MAG/MIG TORCH CONNECTOR



### CO<sub>2</sub>/MAG/MIG LINER





# TIG TORCH

## TIG TORCH & REPLACEMENT PARTS



TIG TORCH BODY



WP-26



ALUMINA NOZZLE

TUNGSTEN



# WELDING ACCESSORIES



## TIG TORCH

### AIR COOLED MODELS



### WATER COOLED MODELS

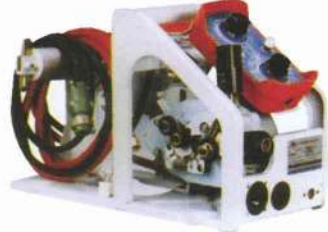


## WELDING ACCESSORIES

### WIRE FEEDER



WIRE FEEDER UNIT  
FOR PANASONIC



WIRE FEEDER UNIT  
FOR WEICO



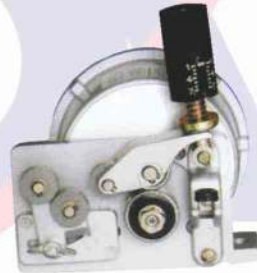
TIG  
WIREFEEDER UNIT

### WIRE FEEDER ASSEMBLY

Back  
Inside 18 mm  
Outside



UERO  
Wire Feeder Assembly



Wire Feeder Assembly  
FOR WEICO



Wire Feeder Assembly  
FOR PANASONIC 350A



Wire Feeder Assembly  
FOR PANASONIC 500A

## WELDING ACCESSORIES

### ADAPTOR TIG HOLDING



### CHARGER EARTH CLAMP

Front  
Inside 13 mm  
Outside 16 mm



### CABLE CONNECTOR



Female Male  
30-50mm<sup>2</sup>

Female Male  
50-70mm<sup>2</sup>



Female  
30-50mm<sup>2</sup>

Female  
50-70mm<sup>2</sup>

Male  
50-70mm<sup>2</sup>

### ADAPTOR MIG



### ADAPTOR 45V11



### ELECTRODE HOLDER







# PLASMA CUTTING TORCH

## AIR PLASMA TORCH & REPLACEMENT PARTS

### WATER COOLED P-200

Rated Current: 200A Cutting Thickness < 60mm



- 1. Torch Head with Site Wheel
- 2. Electrpde
- 3. Electrode American Hafnium
- 4. Tip
- 5. Tip (Hexangular)
- 6. Shield Cup

- 1. Torch Head with Site Wheel
- 2. Machine Torch Head
- 3. Electrpde
- 4. Electrode American Hafnium
- 5. Tip
- 6. Tip (Hexangular)
- 7. Shield Cup
- 8. Site Wheel

### AIR COOLED P-80

Rated Current : 100A Cutting Thickness < 40mm

Applicable for machine : ESSAB, HYPERTHERM, THERMADYNE, & PANASONIC

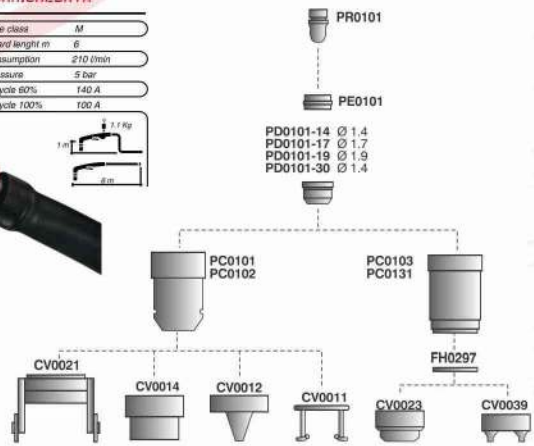


**TECHNICAL DATA**

Voltage class	M
Standard length m	6
Air consumption	210 l/min
Air pressure	5 bar
Duty cycle 60%	140 A
Duty cycle 100%	100 A



FITTING PA1502	6	FITTING PA0103	6
PA1500	12	PA0104	12
PA1501	6	PA0145	6
PA1504	6	PA0146	12
PA1505	12		



# WELDING ACCESSORIES

## WIRE FEEDER'S BRACKET & ACCESORIES



FEEDROLLER



PANASONIC FEEDROLLER



WEIRO / OTC



HUNGARY ROLLER



INSJASTING



EURO TYPE ADAPTOR



WEICO PLUG



PANASONIC TYPE PLUG

**FCAW WELDING WIRES**



Type : SF-71  
 AWS : A5.20 E71T-1  
 Diameter : 1.2 mm  
 Berat : 15kg/spool  
 Approval Class : **BKI**, KR, ABS, LR, BV,  
 DNV, GL, NK, TÜV, CWB,  
 CE, CCS, CCRS, RINA  
 Made In : Vietnam

**ALUMINUM TIG ROD & MIG WIRE**



Material : Aluminum  
 AWS : 5356  
 Diameter : 2.4 mm  
 Berat : 5 Kg  
 Made In : China

Material : Aluminum  
 AWS : 5356  
 Diameter : 1.2 mm  
 Berat : 7 Kg  
 Made In : China



**WELDING HELM & REGULATOR**

**AUTOMATIC WELDING HELMET**



**REGULATOR**

**PRIMA®**

**UNI-LIGHT®**



Regulator CO2  
Model 838CR-H

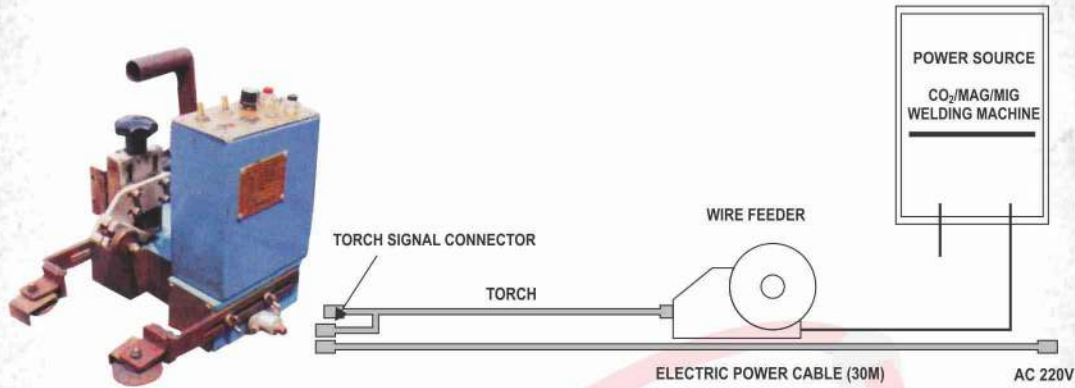


Regulator CO2  
Model 198N-CR



Regulator Argon  
Model 198N-AR

**1-TORCH MINI WELDING CARRIAGE ( SH - 720 - M1)**



**SPECIFICATION :**

PARTS		SPECIFICATION
TRAVEL SPEED		0 ~ 1,000 mm/min (VARIABLE)
METHOD OF SEAM TRACKING		2- GUIDE ROLLERS BY TILTING CARRIAGE
TRAVEL MECHANISM		4RUBBER WHEELS - MOTOR DRIVE EQUIPPED WITH MAGNET BLOCK
HAULING FORCE		16 Kgf
LEVER FOR DETACHMENT		MAGNET UP-DOWN BY LEVER
MOTOR & GEAR HEAD		AC motor 6W, 1/250
TORCH ADJUST	UP DOWN	± 17 mm
	LEFT-RIGHT	± 17 mm
	WORKING ANGLE	30° - 60°
	TRAVEL ANGLE	10°
INPUT VOLTAGE		AC 220V VOLTS, 50/60Hz 10
MATERIAL OF CARRIAGE BODY		AL CASTING
GUIDE ROLLER ADJUST		100MM
OPERATING PARAMETER		TRAVEL SPEED, DIRECTION, WELD/NO WELD, STAR, STOP
WELD CRATER		ON (STANDARD 0,8SEC)
AUTOMATIC STOP		BY END LIMIT
HEAT- RESISTANCE OF MAGNET		MAX 150°C
GUIDE ROLLER		DIAMETER -050, MATERIAL S45C,
TORCH CLAMP		A HINGE TYPE
AVAILABLE MIN DISTANCE OF LONG		MIN 250MM
SPECIAL APRICATIONS		CAN WELD BY ATTACHED ON SIDE WALL
DIMENSION		225 (W) x 158.5 (L) x 276 (H)
POWER CABLE		10M, 1.25SQ, 3CORES 220V PLUG- YHC 16-3 CONNENTOR
WELDING TORCH (OPTION)		4M, 500A -60% DUTY RATE, AIR COOLING STRAIT BODY, CUTTING NOZZLE USE
CONSIST OF		CARRIAGE / ELECTRIC POWER CABLE 30M
OPTIONS		THINGS FOR INTERVAL WELDING, TORCH

**Welding Back up Tape**



PRODUCTS	DIMENSION	SHAPES	SERVICE
<b>CBM 8061 (4)</b>			FCAW & GMAW Used the same as CBM 8061 Suitable for bigger root open than in CBM 8061
<b>CBM 8061 (4G)</b>			FCAW & EGW Used the same as CBM 8061 Suitable when elegant back bead is needed When used for EGW, no additional JIG is needed
<b>CBM 8061 (S)</b>			FCAW & GMAW Exclusively for Vertical-Up Best for thin plate (12T and thinner)
<b>CBM 8061 (F)</b>			FCAW & GMAW With deeper groove slag removal made easy
<b>CBM 8061 (5)</b>			FCAW & GMAW Used the same as CBM 8061

## WELDING BACKUP TAPE

Product	Dimension	Illustration	Notes
Gap 6mm			27mm total width 6mm round groove 1.2mm groove depth
Gap 8mm			27mm total width 8mm round groove 1.2mm groove depth
Gap 10mm			27mm total width 10mm round groove 1mm groove depth
Gap 12mm			27mm total width 12mm round groove 1.2mm groove depth
Gap 14mm			27mm total width 14mm round groove 1.2 groove depth
Round 12mm			Only 12mm diameter available

## GOUGING TORCH & CARBON



**Gouging Carbon**  
4mm  
6mm  
8mm  
10mm

**Cutweld  
K4000**

## WELDING CABLE



30mm Copper



50mm Copper



70mm Copper



# HARRIS®

GAS APPARATUS & FLOW CONTROL EQUIPMENT

## IRONWORKER KIT

- ▶ Compatible with VICTOR equipment
- ▶ Spiral mix system
- ▶ Heavy duty S45 regulators
- ▶ Kit complete with Goggles, lighter with flints and 6 mt hose



Cuts up to 150 mm - Welds up to 20 mm

PART NO.	HANDLE	MIXER	CUTTING ATTACHMENT	CHECK VALVES	CUTTING TIPS	WELDING TIP	SINGLE STAGE OXYGEN REGULATOR	SINGLE STAGE FUEL GAS REGULATOR	ACCESSORIES
IRONWORKER	VH31	E-43HV	VH24	188SHTL 188SHTR	1-101-1 HV 1 GPN	23A90-3	S45-10-OX	S45-1,5-AC S45-4-LP GAS	6 M Hose (4300591), Goggles (4304482), Lighter (26S) Flints (26L)

## COMPATIBLE STYLES

### Model VH31

- ▶ Welds up to 50 mm
- ▶ Cuts up to 200 mm
- ▶ Tough extruded brass handle
- ▶ Stainless steel ball valves
- ▶ Flashback arrestor optional



### Model VH24

- ▶ Cuts up to 200 mm
- ▶ Spiral mix system
- ▶ Design for maximum operator safety
- ▶ Stainless steel Tubes
- ▶ Use with 1-101-HV and GPN



### MODEL 980-NM

- ▶ Cuts up to 200 mm
- ▶ Operates with acetylene or alternative fuel
- ▶ Tip mix principle
- ▶ Use with 8290 tips

980-NM EQUAL PRESSURE TIP MIX TORCHES (FOR ACETYLENE AND ALTERNATIVE FUELS)		
90° Head		Length (mm)
PART NO.	Weight (Kg)	
980-NM	1.12	480

## CUTTING TORCH



### Journeyman Heavy Duty



- CSR 450 Series Regulator
- CSR 460 Series Regulator
- 315FC Torch Handle
- CA 2460 Cutting Attachment
- "W" Welding Nozzles, Sizes: 1,3,5
- 8 MFA Heating Nozzle
- 1-1-101 Cutting Tip
- Available with and without accessories

### Contractor Plus Heavy Duty



- CSR 450 Series Regulator
- CSR 460 Series Regulator
- 315FC Torch Handle
- CA 2460 Cutting Attachment
- Available with and without accessories

## Arcair GOUGING TORCH



- Gouging Torch K3000, K4000
- Carbon Gouging Electrodes

### K3000 Medium Duty

- Accepts :
- Ponted Carbons : 1/8" (3mm) to 3/8" (10mm)
  - Flat Carbons : 3/8" (10mm) & 5/8" (16mm)
  - Maximum 500 Amps
- Compressed air :
- Pressure : 80 psi (5.6 kg/cm<sup>2</sup>)
  - Flow Rate : 21 cfm (0.60 m<sup>3</sup>/min)
  - Torch & Cable Weight : 4.0 lbs. (1.8 kg)

### K4000 Medium Duty

- Accepts :
- Ponted Carbons : 5/32" (4mm) to 1/2" (13mm)
  - Flat Carbons : 3/8" (10mm) & 5/8" (16mm)
  - Maximum 1000 Amps
- Compressed air :
- Pressure : 80 psi (5.6 kg/cm<sup>2</sup>)
  - Flow Rate : 28 cfm (0.79 m<sup>3</sup>/min)
  - Torch & Cable Weight : 5.4 lbs. (2.4 kg)

### Current Requirements

CARBON DIAMETER	1/8"	5/32"	3/16"	1/4"	5/16"	8/8"	1/2"	5/8"
	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	13 mm	16 mm
MIN AMPS	60	90	200	300	350	350	800	1000
MAX. AMPS	90	150	250	250	450	450	1000	1250

# SAND BLAST, PAINTING & ACCESSORIES

**CLEMCO**  
INDUSTRIES CORP.



**ABRASIVE BLAST EQUIPMENT**

The System Made For The Job ...



### Media Sand Blast

- Aluminium Oxide
- Glass Beads
- Silicon Carbide
- Plastic Abrasive
- Steel Grift
- Steel Shot
- Stainless Steel Shot
- Stainless Steel Cut Wire
- Garnet, Cooper Slag, etc

### Nozzle, Nozzle Holder, Coupling



### Spray Guns & Accessories Graco



- Spray Guns
- Pole Guns, Extensions
- Gun Service Kits
- Spray Tips (Reversible, Fast, Adjustable)
- Adapters, Couplings, Swivels, Unions
- Regulators, Lubricators, Gauges
- Tip Guards
- Airless Hoses
- Filters
- Valves
- Agitators
- Pump Repair Kits
- Pressure Cups, Tanks
- Air / Fluid Hoses, etc

# PNEUMATIC RUBBER FENDER



Diameter * Length	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)			Safety Valve Setting Pressure	Testing Pressure	Weight of Net Type (Type I)		Weight of Net Type (Type II)
		E	R	P			Fender Body	Chain Net	
mm*mm (ft*ft)	kPa	kNm	kN	kPa	kPa	kPa	kg	kg	kg
500*1000 (1.6*3)	50	6	64	132	-	200	22	110	32
600*1000 (2*3)		8	74	126			25	120	36
700*1500 (2.3*5)		17	137	135			45	150	55
1000*1500 (3*5)		32	182	122			73	200	98
1000*2000 (3*6.5)		45	257	132			88	220	113
1200*2000 (4*6.5)		63	297	126			131	320	156
1350*2500 (4.4*8)		102	427	130			200	350	240
1500*3000 (5*10)		153	579	132			250	530	290
1700*3000 (5.6*10)		191	639	128			290	580	330
2000*3500 (6.5*11.5)		308	875	128			405	960	465
2500*4000 (8*13)		663	1381	137			902	1240	1080
2500*5500 (8*18)		943	2019	148			1090	1850	1320
3300*4500 (11*15)		1175	1884	130			1460	1710	2840
3300*6500 (11*21)		1814	3015	146			1870	2570	2250

Diameter * Length	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)			Safety Valve Setting Pressure	Testing Pressure	Weight of Net Type (Type I)		Weight of Net Type (Type II)
		E	R	P			Fender Body	Chain Net	
mm*mm (ft*ft)	kPa	kNm	kN	kPa	kPa	kPa	kg	kg	kg
500*1000 (1.6*3)	80	8	85	174	-	250	26	121	37
600*1000 (2*3)		11	98	166			30	132	42
700*1500 (2.3*5)		24	180	177			52	165	63
1000*1500 (3*5)		45	239	160			84	220	111
1000*2000 (3*6.5)		64	338	174			101	242	129
1200*2000 (4*6.5)		89	390	166			149	352	176
1350*2500 (4.4*8)		144	561	170			226	385	270
1500*3000 (5*10)		218	761	174			305	583	239
1700*3000 (5.6*10)		272	840	168			348	638	392
2000*3500 (6.5*11.5)		438	1150	168			454	1067	520
2500*4000 (8*13)	944	1815	180	1111	1375	1309			
2500*5500 (8*18)	943	2653	195	1353	2046	1606			
3300*4500 (11*15)	1343	2476	171	1892	1892	2299			
3300*6500 (11*21)	2583	3961	191	2420	2838	2827			

## AIRBAGS SHIP LAUNCHING



系列 Series	型号 Type	直径 (m) Diameter D	工作压力 (Mpa) Operating Pressure	工作高度 (m) Operating Height			单位承载力 (ton/m) Bearing Capacity Per		
				0.4D	0.5D	0.6D	0.4D	0.5D	0.6D
S1	S10	0.8	0.20	0.32	0.40	0.48	15.1	12.6	10.0
		1	0.16	0.40	0.50	0.60	15.1	12.6	10.0
		1.2	0.14	0.48	0.60	0.72	15.8	13.2	10.6
		1.5	0.11	0.60	0.75	0.90	15.5	13.0	10.4
	S11	0.8	0.19	0.32	0.40	0.48	14.3	11.9	9.5
		1	0.15	0.40	0.50	0.60	14.1	11.8	9.4
		1.2	0.13	0.48	0.60	0.72	14.7	12.2	9.8
		1.5	0.10	0.60	0.75	0.90	14.1	11.8	9.4
	S12	0.8	0.24	0.32	0.40	0.48	18.1	15.1	12.1
		1	0.19	0.40	0.50	0.60	17.9	14.9	11.9
		1.2	0.16	0.48	0.60	0.72	18.1	15.1	12.1
		1.5	0.13	0.60	0.75	0.90	18.4	15.3	12.2
S2	S20	1.8	0.10	0.72	0.90	1.08	17.0	14.1	11.3
		1	0.24	0.40	0.50	0.60	22.6	18.8	15.1
		1.2	0.20	0.48	0.60	0.72	22.6	18.8	15.1
		1.5	0.16	0.60	0.75	0.90	22.6	18.8	15.1
	S21	1.8	0.13	0.72	0.90	1.08	22.0	18.4	14.7
		2	0.12	0.80	1.00	1.20	22.6	18.8	15.1
		1	0.27	0.40	0.50	0.60	25.4	21.2	17.0
		1.2	0.23	0.48	0.60	0.72	26.0	21.7	17.3
	S22	1.5	0.18	0.60	0.75	0.90	25.4	21.2	17.0
		1.8	0.15	0.72	0.90	1.08	25.4	21.2	17.0
		2	0.14	0.80	1.00	1.20	26.4	22.0	17.6
		1	0.31	0.40	0.50	0.60	29.2	24.3	19.5
S30	1.2	0.26	0.48	0.60	0.72	29.4	24.5	19.6	
	1.5	0.20	0.60	0.75	0.90	28.3	23.6	18.8	
	1.8	0.17	0.72	0.90	1.08	28.8	24.0	19.2	
	2	0.15	0.80	1.00	1.20	28.3	23.6	18.8	
S3	S30	2.5	0.12	1.00	1.25	1.50	28.3	23.6	18.8
		1	0.35	0.40	0.50	0.60	33.0	27.5	22.0
		1.2	0.29	0.48	0.60	0.72	32.8	27.3	21.9
		1.5	0.23	0.60	0.75	0.90	32.5	27.1	21.7
		1.8	0.19	0.72	0.90	1.08	32.2	26.8	21.5
		2	0.17	0.80	1.00	1.20	32.0	26.7	21.4
		2.5	0.14	1.00	1.25	1.50	33.0	27.5	22.0

## MARINE EQUIPMENT



### LIFERAFT & LIFEJACKET



**Marine Evacuation System (MES)**

**Liferaft KHA**  
Kapasitas  
**10 / 20 / 25 Orang**



**SOLAS Adult Lifejacket 71087**



**Sigma Lifejacket 170N 71097**



**International Liferaft 78801 (6 person)**



Fireman Protective Suit  
FPS-RSX-1



Fireman helmet

Fire boots

Fireman helmet

Fire boots

Fireman gloves

CE



Immersion Suit  
RSF-II Size M/L



Adult Lifejacket  
SOLAS RSCY-A4



Child Lifejacket  
SOLAS RSEY-1



Air Breathing Apparatus  
SCBA Model  
RHZK6/30



Breathing Device  
THRS-15



Monolayer FRP  
Fire Hose Box



Lifebuoy RS 5555-I



Lifebuoy Line 30m



Lifebuoy Light  
RSQD-1



Hydrostatic  
Release Unit  
JSQ-III



# RENTAL



We provide rental for these machines below:

## MMA WELDING MACHINE



**ARC 400**  
400 Amps

## TIG WELDING MACHINE



**TIG 160P**  
160 Amps  
DC Inverter Pulse

## CO2 / MAG / MIG WELDING MACHINE



**WM 500F**  
500 Amps

**WM 500SI**  
500 Amps



## INVERTER PLASMA CUTTING MACHINE



**WP 40A**  
40 Amps  
Max cutting 12mm

Optimum cutting:  
MS 10mm  
SS 6mm



**WP 80A**  
80 Amps  
Max cutting 32mm

Optimum cutting:  
MS 30mm  
SS 25mm



**WP 120A**  
120 Amps  
Max cutting 40mm

Optimum cutting:  
MS 35mm  
SS 30mm