



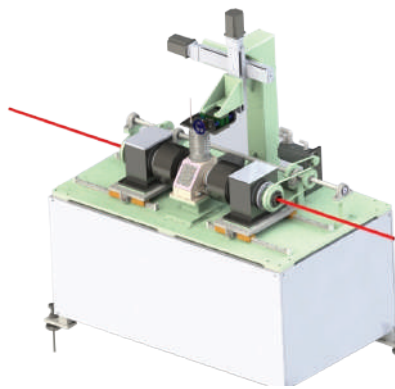
**INCREASE PRODUCTIVITY**  
**IMPROVE QUALITY**  
**REDUCE COST**

**AUTO TIG/MIG WELDING SPM**

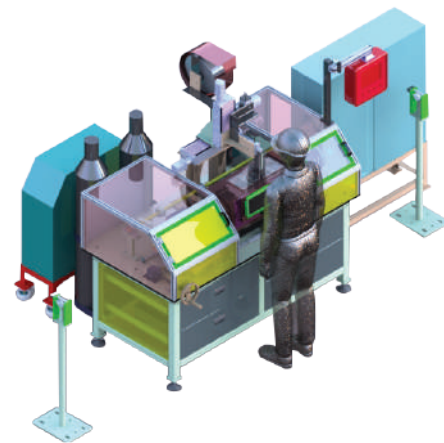
- Butt Joint / Filler Joint
- Long Seam / Circular Seam
- Cladding - Inner/ Outer/ Base / Cross Bore

**FEATURES**

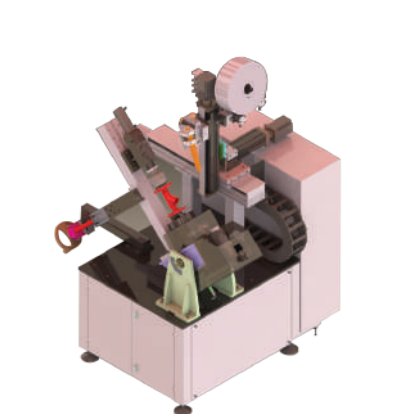
- Automatic Voltage Corrector(AVC)
- Weaver, Oscillator
- Cold Wire / Hot Wire Feeder
- Fully Integrated Welding Power Sources.
- Data Monitoring Logging
- Wireless Remotes



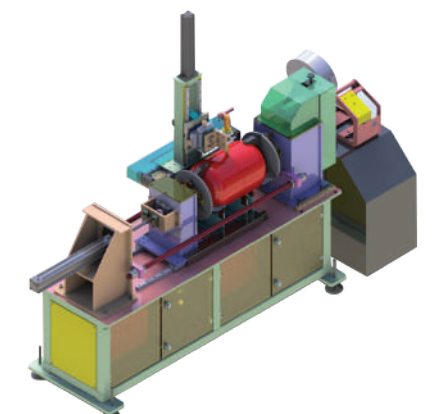
**PIPE TO PIPE WELDING**



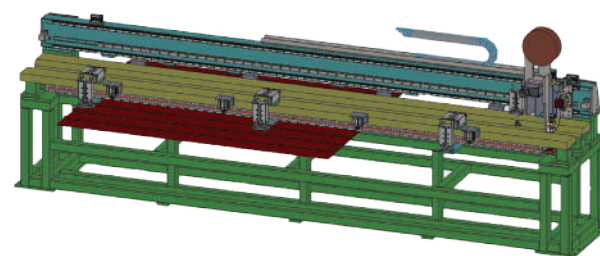
**TITANIUM TUBE TO TUBE WELDING**



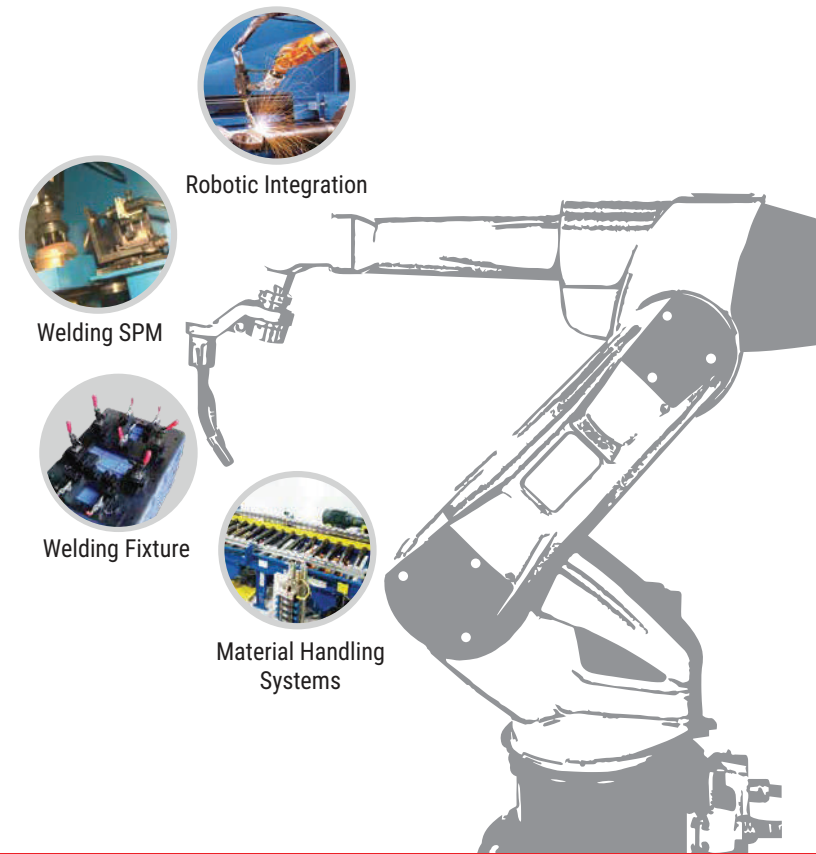
**PIPE TO FLANGE WELDING**



**CIRCULAR SEAM WELDING**



**LONG SEAM WELDING**



Robotic Integration



Welding SPM



Welding Fixture



Material Handling Systems

**WELDING  
 AUTOMATION**



Digital Welding Inverters for MMA, TIG, MIG

**TAKING  
 WELDING  
 INVERTER  
 TECHNOLOGY  
 TO THE NEXT LEVEL**

**#WeldLikeAPro**

**Making in India since 1974**

Electronics Devices Worldwide Pvt Ltd has been manufacturing indigenous power sources for di-electric preheating, induction heating, induction capsealing and welding applications. We are today catering to the Indian and global markets with products that improve productivity, ensure quality and give trouble free working as per global standards.



**Energy Efficient**

Sigmaweld is sophisticated IGBT based welding inverters which consume 70% less energy compared to conventional transformer system and 40% less energy compared to conventional rectifier systems. The more you use SigmaWeld the faster you recover your investment.



**Easier to Learn**

Inbuilt features like Anti-Sticking, adaptive hot start and adaptive arc force control make Sigmaweld welding inverters most suitable for learners and professionals alike. Adaptive features allow the operator to weld with a lot of ease and control.



**Easier to Weld**

Advance feedback systems allow greater control over the welding current. Sigmaweld welding inverters are CC (Constant Current) system for MMA and TIG applications and CC/CV (Constant Current/Constant Voltage) for MIG and MAG applications. This allows operators to achieve good quality weld joints with more ease and less skill.



**Parameter Locking Remote**

With advanced micro-controller technology, it is possible to lock the voltage and current parameters to the desired level by the supervisor, ensuring complete run at desired WPS parameters without changes by the operators.



**More Welders per DG set**

Sigmaweld welding inverters consume low power, hence almost 40% more equipment can be connected on a DG Set compared to thyristor / diode-based machines.



**Automation Friendly**

Sigmaweld welding inverters can be easily integrated with SPM, robotics, and automation solutions using digital or analog interfaces as required.



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www.sigmaweld.com







**INDY 170 MMA**



Supply: 1Ø ,230 V, ±15%, 50Hz  
Duty Cycle: 100%@130A  
Weight: 13kg

- Upto 3.15 mm electrodes
- Training Institutes
  - Maintenance
  - Light Fabrication
  - Site Work
  - Construction



**SW 170 HF/PT**



Supply: 1Ø ,230 V, ±15%  
Duty Cycle: 170A @70%  
Weight: 23kg

MMA upto 3.15 mm electrodes  
TIG upto 8 mm thick plate

- Training Institutes
- Maintenance
- Process Piping
- Pharma Machine Mfg.
- Site Work



**SW 250 MM**



Supply: 3Ø ,415 V, ±15%  
Duty Cycle: 200 A @100%  
Weight: 9.5kg

Upto 0.8 mm Solid Wire  
1.2 Flux Cored

- Metal Fabrication
- Light Manufacturing
- Automobile Industry



**SW 600 SAW**



Supply: 3Ø ,415 V, ±15%, 50Hz  
Duty Cycle: 600 A @60%  
Weight: 50kg

Upto 4mm  
Solid & Flux Cored Wire

- Maintenance
- Heavy Fabrication
- Cladding
- P.E.B

**INDY 250 MMA**



Supply: 3Ø ,415V, ±15%, 50Hz  
Duty Cycle: 100%@200A  
Weight: 35kg

- Upto 4 mm electrodes
- Automobiles
  - Light Fabrication
  - Furniture
  - Control Panel Manufactures



**SW 250 HF/PT**



Supply: 3Ø ,415V, ±15%  
Duty Cycle: 200A @80% (MMA)  
Weight: 40kg

MMA upto 4 mm electrodes  
TIG upto 15 mm thick plate

- Petrochemical Fabrication
- Aerospace
- Dairy
- Food Beverage
- Pharma Machinery mfg.
- Site Contractor



**SW 400 MM**



Supply: 3Ø ,415V, ±15%  
Duty Cycle: 300A @100%  
Weight: 9.5kg

Upto 1.6 mm solid wire  
& Flux Cored

- Maintenance
- Heavy Fabrication
- Light Manufacturing
- Automobile Industry



**SW 800 SAW**



Supply: 3Ø ,415V, ±15%  
Duty Cycle: 800A @60%  
Weight: 150kg

Upto 4mm  
Solid & Flux Cored Wire

- Maintenance
- Heavy Fabrication
- Cladding
- P.E.B



**INDY 400 MMA**



Supply: 3Ø ,415 V, ±15%, 50Hz  
Duty Cycle: 100%@300A  
Weight: 35kg

- Upto 5 mm electrodes
- Automobiles
  - Heavy Fabrication
  - Structural Boiler
  - Pressure Vessels & Tank
  - Repair & Maintenance
  - Pipe Welding
  - Railway



**SW 400 HF/PT**



Supply: 3Ø ,415 V, ±15%, 50Hz  
Duty Cycle: 400A @60%  
Weight: 45kg

MMA upto 5 mm electrodes  
TIG upto 25 mm thick plate

- Precision metal fabrication
- Tube & Pipe fabrication
- Boiler
- Pressure Vessel



**SW 600 MM**



Supply: 3Ø ,415 V, ±15%  
Duty Cycle: 400A @100%  
Weight: 13.5kg

Upto 1.6 mm solid wire  
& Flux Cored

- Maintenance
- Heavy Fabrication
- Light Manufacturing
- Automobile Industry



**SW 1000 SAW**



Supply: 3Ø ,415V, ±15%  
Duty Cycle: 1000A @60%  
Weight: 150kg

Upto 6mm  
Solid & Flux Cored Wire

- Heavy Fabrication
- Cladding
- P.E.B
- Structural Fabrication
- Thermal Spray

**SW 600 MMA - Gouging**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 600A@60% (MMA)  
400A @100%(MMA)  
Weight: 50kg

- Upto 6mm electrodes
- Steel Erection
  - Heavy Fabrication
  - Construction
  - Pipe Welding
  - Ship Building
  - Railway
  - Structural Welding
  - Forging



**SW 600 HF/PT**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 600A@40% (MMA)  
Weight: 50kg

MMA upto 6 mm electrodes  
TIG upto 25 mm thick plate

- Precision metal fabrication
- Tube & Pipe fabrication
- Boiler
- Heat Exchanger
- Pressure Vessel
- Tanks



**WATER COOLING SYSTEMS**

**Specifications**

- Water tank capacity: 12litre
- Water cooling interlocking is possible
- Stainless Steel tank & Radiator cooling
- Water Flow Rate: 3litre/min
- Pressure: 1.2Bar
- Weight: 41kg

**COLD WIRE FEEDER**

**Specifications**

- Stepper motor, 2 Roll Groove drive, PLC control.
- Supply Voltage: 1Ø, 230V AC 50Hz
- Wire spool size: 12" (30.3cm)
- Wire size: 0.8mm, 1.2mm, 1.6mm
- Weight: 17kg



**SW 600 HFC**



Supply: 3Ø ,415 V, ±15%, 50Hz  
Duty Cycle: 600 A @60%  
Weight: 50kg

Flux Cored Wire  
1.6 to 2.4mm

- Maintenance
- Heavy Fabrication
- Cladding
- P.E.B



**SW 800 MMA - Gouging**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 800A@60% (MMA)  
500A @100%(MMA)  
Weight: 150kg

- Upto 9 mm electrodes
- Forging
  - Heavy fabrication
  - Ship Building
  - Structural Welding



**SW 300 AC/DC**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 300A@80%  
Weight: 55kg

ALUMINIUM WELDING TIG  
upto 25 mm Thick Plate

- Sheet metal fabrication
- Tube & Pipe fabrication
- Boiler
- Pressure Vessel
- Heat Exchanger
- Tanks



**ENCLOSED WIRE FEEDER**



**WIRE FEEDER**



**SAW TROLLEY**

**SW 1000 CC - Gouging**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 1000A@60% (MMA)  
700A @100%(MMA)  
Weight: 150kg

- Upto 12 mm electrodes
- Forging
  - Heavy fabrication
  - Ship Building
  - Structural Welding



**SW 500 AC/DC**



Supply: 3Ø ,415 V, ±15%,  
Duty Cycle: 450A@60%  
Weight: 90kg

ALUMINIUM WELDING TIG  
upto 40 mm Thick Plate

- Precision Metal Fabrication
- Aerospace
- Dairy Equipments
- Boiler
- Pharma Machinery
- Pressure Vessel
- Tanks



**SW 1000 HFC**



Supply: 3Ø ,415V, ±15%  
Duty Cycle: 1000A @60%  
Weight: 150kg

Flux Cored Wire  
2.4, 2.8 & 3.2mm

- Heavy Fabrication
- Cladding
- P.E.B
- Structural Fabrication
- Thermal Spray

