



# WELDING & CUTTINGS

**Focal Solutions Inc. (FSI)** is one of China's leading Export houses. Our core business is supplying / exporting Chinese origin Equipment, Machinery, raw materials and commodities to our valued customers all around the world.



# PRODUCTS

## Welding Machine

### SMAW



ARC-315/400/500/630  
Reliable MMA  
(BAS&RUT Electrode)



ARC-315/400/500/630  
Reliable SMAW  
(BAS&RUT electrode)



CUT-60i  
CUT60i adopts IGBT single-tube high-frequency inverter technology. It has high arc dynamic response capability, small size and light weight, as well as ideal static and dynamic characteristics, and resistance against grid fluctuations.



ARC400-3T/6T  
3 in 1/6 in 1, site management expert of welding machines

### GMAW



AMIG500P PLUS  
LONG WELDING CABLE 45m,  
WELDING PROCESS: RAPID PULSE MIG (FP MIG) / DEEP PENETRATION (PD MIG) / DOUBLE PULSE MIG / PULSE MIG / CV MIG



AMIG-500PS  
The most cost-effective pulse MIG welding machine [CS/SS/FCAW-G]a



AMIG-280PM  
Portable, all-in-one machine for aluminum sheet pulse MIG welding



AMIG-350LST  
CS/SS/galvanize plate low spatter MIG/MAG sheet welding machine

### GTAW



Hot Wire TIG ATIG-400P(HW)  
Advanced hot wire DC TIG/PULSE TIG welding machine [hot wire power supply: AC/DC]



ATIG-PAC-315III/500III  
ATIG-PACIII series is fully digital models with high end DSP technology, it is suitable for both automatic application and manual welding. Compared with ATIG-PAC series, it offers advanced wave control technology which brings more flexibility for thinner / thicker material during critical aluminum welding. Smart parameters adjustment brings cleanest,



ATIG-P-270  
ATIG-P series is digital DC pulse TIG models with MCU technology, suitable for both automation application and manual welding. DC pulse function minimize the heat input for thin materials and provide a faster freezing for uphill welding.



ATIG-P-315/400/500  
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# SAW



## AMIG-350LST

ASAW1000 IV is used in pipeline prefabrication, cladding, working with robot and automation equipment, high-power gas shielded welding, repairing wear resistant material and other industries. It enjoys great popularity for its comprehensive functions and multi-purpose performance

## ASAW-1000 AC/DC

ASAW-AC /DC series applies IGBT soft switch technology, enjoy reasonable static characteristic and sound dynamic characteristic. It can perform carbon steel, stainless steel, heat resistant steel, and alloy steel welding. It has AC square wave submerged arc welding characteristic.

# CUTTER



## ACUT200

ACUT series is invented for professional use in heavy duty application. ACUT power source can be used for manual cutting with HF ignition to provide best arc start and avoid defect in arc start process. ACUT series can show best result for cutting steel with thickness up to 55 mm.

## ACUT-300/400

# AUTOMATION

## Standard Automation

## ROTATOR



The HCJ series manipulators are designed and manufactured by our company adsorb advantages of similar products from domestic and overseas, and designed and manufactured according to the requirements of boilers and pressure vessels manufactures, and wind power tower welding company. This series of products can be matched with MIG and submerged arc welding machines manufactured by our company, also can be operated with rotator, positioner and other welding automation equipment to realize auto welding for the girth welding seam and longitudinal welding seam of workpieces. This series of products are special-purpose equipment that is needed by the manufacturing of boilers and pressure vessels, which enjoys advanced technology, reliable quality, easy operation and other advantages.

## MANIPULATOR



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## HGZ SERIES ROTATOR



For HGZ series rotator, the distance of rollers can be adjusted automatically according to the diameter of work piece. Double-motor driven, drive modes have planet-cycloid reducer and worm reduction gear. Rubber type, steel type and steel-rubber type wheels are available for clients. It can realize linkage control with other equipments. The rotator is mainly used for cylindrical roller welding, but also can assemble with other tooling for cone inequality diameter rotary welding. Also the rotator series are widely used in wind power, petrochemical, pressure vessels, pipeline, steel structures, boilers, shipbuilding, welding repair and other industries.

# ORBITAL WELDING SYSTEM- WTS40



## Orbital Welding System

Developed for all position tube - tube sheet automatic welding. Compared with manual welding, more efficient, more reliable, more convenient, and more beautiful.

## ROBOTICS

### COBOT



### ROBOT SYSTEM



### TOUCH- CLEANING STATION



### ANTI-COLLISION SENSOR SOLAR INVERTER



ASP-500KTL

## OUR SERVICES

- After sales support
- Technical Support
- Service Team
- Ensures Quality & Control
- Fast delivery

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