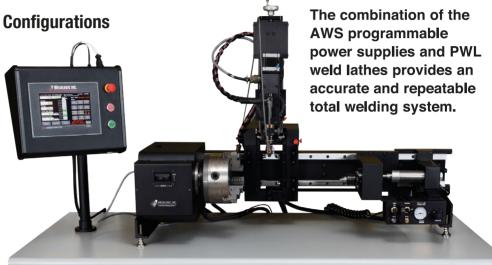# AWS-6100 Mk II Automated Lathe Welding Stations

The Weldlogic AWS-6100 Mk II Automated welding station is the culmination of 35 years of manufacturing turn-key lathe welding systems to meet the critical needs of the welding industry.

• **Fully programmable Weld Process Control**

• **200, 400 & 800 Ampere Configurations**

• **TIG or Plasma Operation**

• **ADC Voltage Control**

• **Wire Feed with Dabber Pulsed Feed**

• **PWL Weld Lathes from 15" to 72" Capacity**

• **Vertical or Horizontal Operation**

• **Minimal Operator Skill Required**

• **Easily Customized to meet individual application needs**

The combination of the AWS programmable power supplies and PWL weld lathes provides an accurate and repeatable total welding system.

Full function Pendant puts all system controls at the operator's fingertips

AWS-210/400/800

Programmable DC and AC/DC TIG and PLASMA Welding Systems

The **AWS-210-400-800 Advanced Welding Systems** are microprocessor-based programmable power supplies designed and built to provide a highest quality, accurate and repeatable welds. These systems are available in **210**, **400** or **800** ampere configurations in either DC or AC/DC configurations for welding aluminum alloys. The system also controls positioner **Travel Motion**, **Torch Arc Distance Control** and **Wire Feed** servos providing a totally integrated system.

The **AWS-system** is a highly refined, field-proven product used throughout the world for critical welding applications. The controls and hardware are the end result of 40+ years of designing and manufacturing precision automated computer controlled welding systems.

AWS 210   **AWS 400**   **AWS 800**

Remote Operator Pendant
Full function HMI touchscreen pendant puts all system controls at the operator's fingertips.

- Close Loop Servo Control of Weld Current, Travel Speed, Arc Distance Control & Wire Feed.
- External memory, via flash drive, stores unlimited multi-level weld schedules.
- Synchronized Current, Voltage, Travel and Wire Feed.
- Torch and back up gas flow meters with gas fault sensors.
- Password protected Operator/Engineering modes.
- Programmable operators overrides 0-100%. Minimal operator skill required.
- Detects and indicated faults, i.e., Gas Flow, Voltage, Current and Travel Limits.
- Operator friendly remote control & weld program selector. Isolated I/0 inputs & outputs, Standard I/O outputs to PLC and additional devices, ie.
- Data Aquisition, Safety Switches, Auto Feeder, etc. up to 4 channels.

THE ULTIMATE PRODUCTION SYSTEM
Select Your Options

R.P.W. REMOTE PENDANT
This remote operators pendant provides Overrides, jogs, start, stop, purge, and weld/set-up. The pendant allows the operator to access any of the weld schedules resident in the welder. Additionally displays real time feed back of weld time, voltage, current and wire.

A.D.C. - ARC DISTANCE CONTROL WITH 3" OR 6" RAMS
Weldlogic A.D.C. option is a dual function automatic torch positioner. The A.D.C. can be programmed to provide a fixed tungsten to work distance in .001 increments and also provides continuous arc distance control during the duration of the weld. The A.D.C. ram is available in a 3" & 6" stroke.

TRAVEL RATE POSITION-BASED SERVO
Weldlogic's position-based drive feature is a closed loop A.C. precision servo for highly accurate positional control. A wide range of A.C. motors are available to accommodate your specific rotary or linear requirements. Our T.R.S. has I/0 for limit switches and a return to home sensor. Custom motors available upon request.

C.W.F. COLD WIRE FEED
Weldlogic C.W.F. option is a closed loop A.C. precision servo drive for high accuracy feed rates of 0.1 to 100.0 inches per minute. A 4-drive roll mechanism provides positive production-worthy feeder for wire diameter .020 to .093. The torch mounted 3-axis manipulator places the wire in the optimum position in the weld puddle. Programable wire feed advance/retract allows for dabber type wire feeding.