WELDLOGIC INC.
Forming and Welding Solutions

Welding Solutions for Advanced Manufacturing

AWS-200, 350, 700

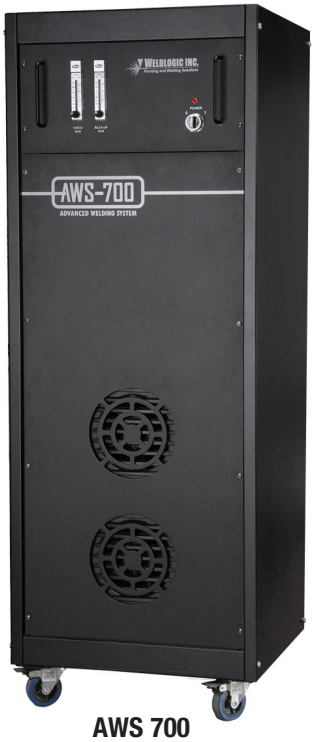
Computer Controlled TIG/PLASMA Welding System
"Fully Integrated" for Automated Welding

The AWS-200-350-700 Advanced Welding System is a microprocessor-based system designed and built to provide a high quality, economically priced, very accurate and repeatable total welding system. This totally integrated system combines either a 200-350-700 Ampere precision D.C. power supply, Travel Rate Servo, Arc Distance Control and Wire Feed servo all in one rugged modular enclosure.

The AWS-200-350-700 is a highly refined field proven product. Its software base and hardware are the end result of 30+ years of designing and manufacturing precision automated computer controlled welding systems.

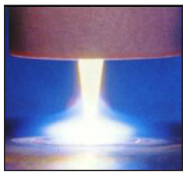
AWS 200

AWS 350

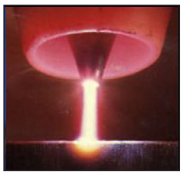


AWS 700

Dual Process



Tig



Plasma

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/O inputs & outputs, Standard I/O outputs to PLC and additional devices, ie. Data Aquisition, Safety Switches, Auto Feeder, etc. up to 4 channels.

WELDLOGIC, INC. **www.weldlogic.com**

Headquarters: Weldlogic, Inc. • 2651 Lavery Court • Newbury Park, CA 91320 • Tel: 805-498-4004 • Fax: 805-498-1761
European Office: Weldlogic Europe • Blackstone Road, Huntingdon, Cambridgeshire, PE29 6EF, UK • Tel. 01480 437478 • Fax. 01480 437479

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

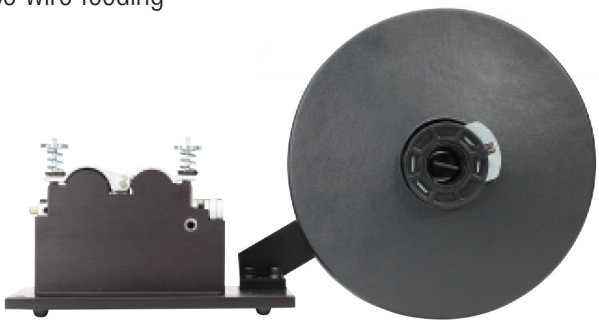
Weldlogic A.D.C. option is a dual function automatic torch positioner. The A.D.C. can be programmed to provide a fixed tungsten to work distance in .001 increments and also provides continuous arc distance control during the duration of the weld. The A.D.C. ram is available in a 3" & 6" stroke.

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/O 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



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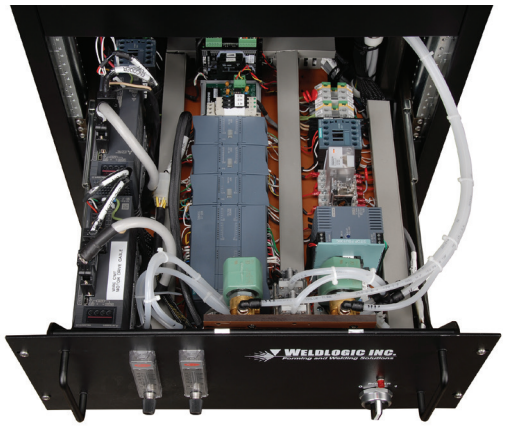


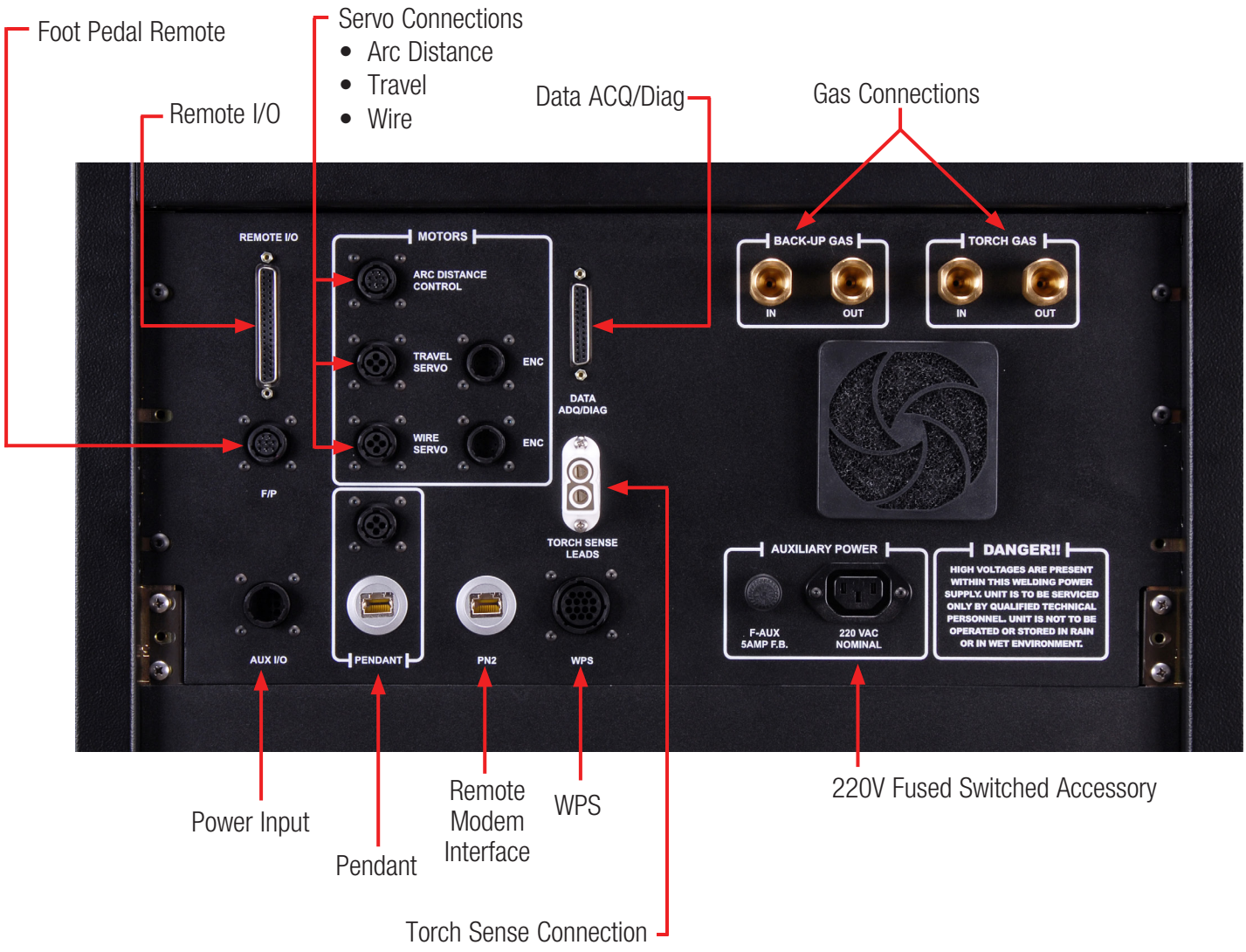
EASY ACCESS SERVICE DRAWER

Front access drawer enables user to servicabiliity and component replacement.

- Modular design
- Remote modem access for upgrades, modifications and support
- State-of-the-art technology

AWS REAR PANEL

The rear panel provides easy access to all interconnects. Clean cable runs and none of the external servo boxes we're so used to seeing in this industry.



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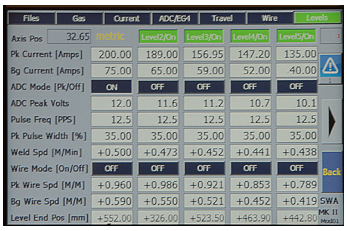
A POWERFUL DEVELOPMENT TOOL

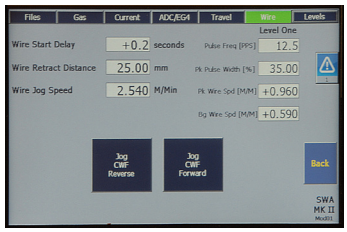
EASY TRANSFER OF WELD DATA

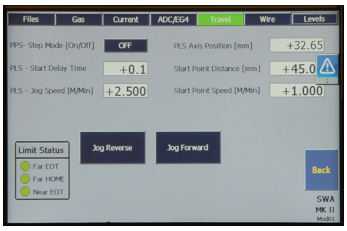
Program CSV file transfer via thumbdrive for offline storage and edting to PC computer.

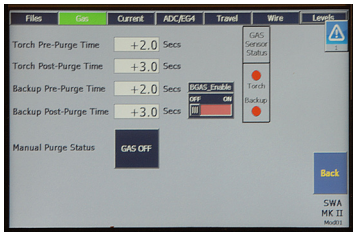
- Easy menu driven software prompts you in plain English, SAE and Metric
- See the entire program on one screen. No single line displays to scroll through.
- Print, review & edit your weld schedules at your desk.
- Password protection of your weld schedules.

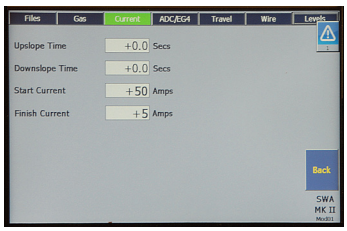
SETUP SCREENS

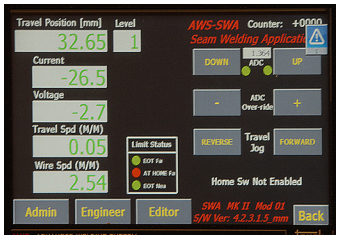


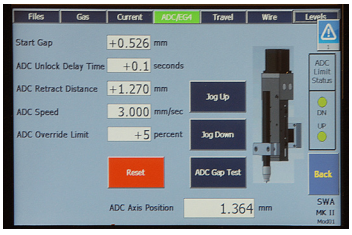


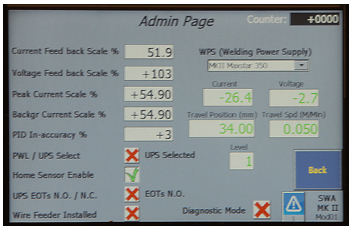












AWS-200-350-700 TYPICAL APPLICATIONS

Seam Welding

Circumferential Welding

Custom Weld Systems

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