



KEEPSAKE AUTOMATION

Let's Automate

Autowelder® is a state of the art welding control system designed with concept of “All-in-one” to transform your welding processes.

A Plug & Play Solution based on Industry 4.0 standards

Technical Specifications

› Control System

- Controls up to 6 servo axes in synchronous motion
- PC/Windows based processing unit
 - 16 DI / DO
 - 4 AI / AO
 - 3 + 3 channel PWM module
- Supports digital / analog / market available fieldbus IOs/ gateway integration possible
- EtherCAT fieldbus. Other fieldbus supported via gateway
- HF compatible
- Industry 4.0 connectivity and data analytics
- IP20 protection rating
- CE / UL complaint

› User Interface

- HMI for user control
- Touchscreen enabled UI
- AR app
- Wireless operator remote

› Motion

- Servo control for accurate positioning
- Supports master / slave motor setup
- Homing feature for axis calibration

› Programming

- Simple user programming via commands
- User can create and store program recipes
- Alarm screen for machine feedback

› Welding

- Robotic level power source integration with machine and ready packages available for interfacing various brand power source
- Multiple weaving pattern with dwell time settings
- Automatic height adjustment options
- System will stop, if welding stops in between
- Auto arc ignition at weld stops
- Wire inching & gas control functions
- Cladding commands
- Sector wise programming

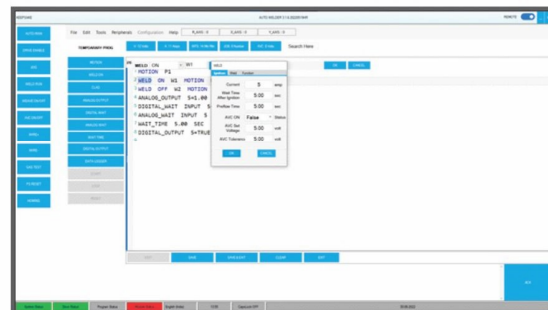
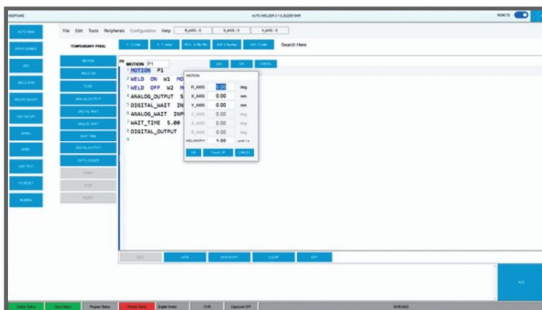
› System Support

- Remote diagnosis via internet
- System can be restored by restoring image or reinstalling the software

› Options

- Seam tracking compatible
- Datalogging functions
- Spiral welding (Screw flight welding)
- FSOE (Safety)
- Online bead inspection functionality available
- Weld sequencing and bead placement planning

Autowelder Screen





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AUTOWELDER CONFIGURATIONS

RXZ* Welder Specifications

R Axis	Max Payload	500 – 2500	kg
	Faceplate	500 – 2000	mm
X Axis	Max Payload	50 – 300	kg
	Stroke	300 – 10000	mm
	Average Speed	200 – 500	mm/sec
Z Axis	Max Payload	10 – 25	kg
	Stroke	300 – 1500	mm
	Average Speed	200 – 500	mm/sec
Base/Mounting Frame	Height	1 – 3	m
	Repeatability	0.3	mm

*Customize packages available as per user needs

Application References



Cladding Station (ID/OD Weld Overlay)



Condensate Pot Welding SPM



Cokerdrum/Reactor Weld overlay system



Linear Welding SPM

PRODUCTS: • Autowelder • Autocutter • WeldMetrix • Robotic Positioner • IOT Devices • Custom Software Modules • Linear Units/Gantry
AUTOMATION & SERVICES: • SPM • Robotic Application • System Integrators • Turnkey Projects • Simulations • Fixturization

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