



AWS3 Pneumatic

The AWS3 Pneumatic Active Welding System combines pneumatic weld heads / weld pincers (F- and FP-series) with an inverter power supply (IS-Q-series) all in one unique system. Its various interfaces make AWS3 an easy to integrate system for automation.

The complete system is an integrated solution providing process control, monitoring and quality analysis all in one.

The Active Welding System is available as standard or with displacement and force measurement. The AWS3 can control 1 or 2 weld heads or weld pincers depending on the configuration selected. An additional lower stroke unit is available. Automatic calculation and monitoring of critical values, programming of weld power and weld force profiles as well as the static and dynamic process monitoring are critical elements to achieve optimum welds. The AWS3 Pneumatic combines these elements into one premium system that enables quick and precise parameter settings.

Key features AWS3 Pneumatic

- Full AWS3 functionality now available for pneumatic weld heads
- Cost effective, no separate monitor, no separate WKA adaptor and SSB interface required, only one connection required for field bus
- Remote service capabilities
- Integrated system including MG-300A functionality: easy to program & easy integration
- User-friendly operating panel with single knob push/turn operation or touch screen

Specifications AWS3 Pneumatic

Criteria	AWS3 Pneumatic Standard	AWS3 Pneumatic Displacement & Force
Features		
Graphical waveform	X	X
SPC	X	X
Process monitoring	static, dynamic	static, dynamic
Data logging	X	X
Communication		
Digital I/O	X	X
RS 232	X	X
Ethernet TCP/IP	X	X
Modbus TCP	X	X
Profibus or Ethernet IP	Optional	Optional
Control		
Two separate weld heads	X	X
Dual weld head series, step	X	X
Force control	X	X
Force monitoring	.	X
Displacement monitoring	.	X
Hardware		
Operating panel	Operating panel AWS3 or Touch screen AWS3	Operating panel AWS3 or Touch screen AWS3
Weld heads	F120, F160, FP200 or newhorizon™ pneumatic weld heads FP-400A, FP-700A, FP-1100A pneumatic lower stroke units	F120, F160, FP200 or newhorizon™ pneumatic weld heads FP-400A, FP-700A, FP-1100A pneumatic lower stroke units
Weld pincers	F120-Z, F160-Z, FP200-Z or newhorizon™ pneumatic weld pincers FP-400-Z, FP-700-Z, FP-1100-Z	F120-Z, F160-Z, FP200-Z or newhorizon™ pneumatic weld pincers FP-400-Z, FP-700-Z, FP-1100-Z
Compacting modules	C16, C25, C70	C16, C25, C70
Welding control DC	IS-Q3000A, IS-Q6000A, IS-Q250A, IS-Q500A	IS-Q3000A, IS-Q6000A, IS-Q250A, IS-Q500A
Welding control AC	IS-Q3000A	IS-Q3000A
Displacement sensor & force sensor	Use sensors that are specified for the corresponding weld head	Use sensors that are specified for the corresponding weld head

Product applications AWS3 Pneumatic



Electronics



Electronics



Medical engineering



Automotive



Automotive



Automotive

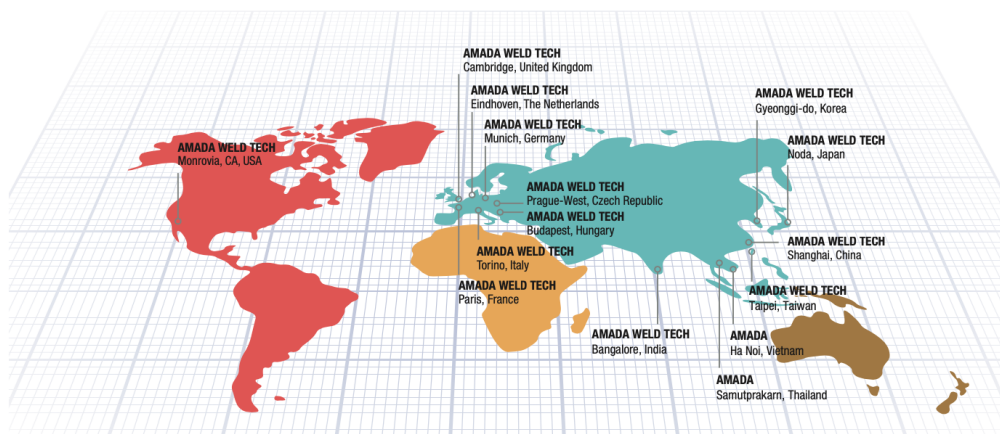
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