



Universal Spot Welding Heads

The modular weld head system offers flexibility, simplicity and high performance for micro joining applications.

The precision ultra low inertia weld head modules can be used standalone mounted on third party application product or may be supplied as bench mounted units either with fixed or variable height back supports.

A large range of custom and standard electrode holders are available to suit almost any application.

The precision modules combine an integral force adjustment control with options to fit force and displacement monitoring transducers for use with process feedback based power supplies.

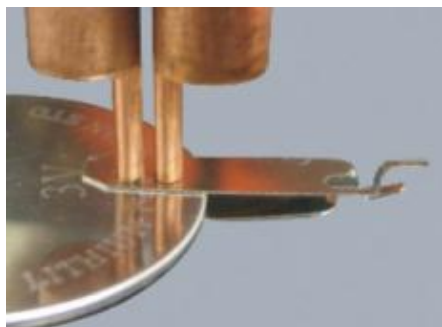
Key Features Universal Spot Welding Heads

- > Very low inertia delivers fast process response and rapid settling.
- > Suits all drive systems: motor, pneumatic, manual.
- > Proven, rugged design ideal for automation.
- > Narrow footprint permits high-density mounting in confined areas.
- > Options for built-in force and displacement sensing transducers.

Specifications Universal Spot Welding Heads

Integrated weld heads*	Force range	Stroke	Compression
Manual opposed weld head	2 - 70N	25mm	10mm
Pneumatic opposed weld head	2 - 70N	25mm	10mm
Manual twin (parallel gap) weld head	2 - 70N	25mm	10mm
Pneumatic twin (parallel gap) weld head	2 - 70N	25mm	10mm
Pneumatic high force opposed weld head	10 - 500N	25mm	6mm
Weld head modules	Force range	Dimensions WxDxH(mm)	Compression
Single standard module*	2 - 70N	25x50x179	10mm
Twin standard module*	2 - 70N	55x60x179	10mm
Single mini module	2 - 50N	15x50x75	8mm
Twin mini module	2 - 50N	35x60x75	8mm
High force module*	10 - 500N	25x60x115	8mm
.	* Process monitoring - All integrated weld heads, standard and high force modules have options for force and displacement transducers.		

Product applications Universal Spot Welding Heads



Gap welding of coin cell tabs



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Projection Weld Radiator Connector



Resistance Weld Cables Car Heating



Resistance Weld Engine Component

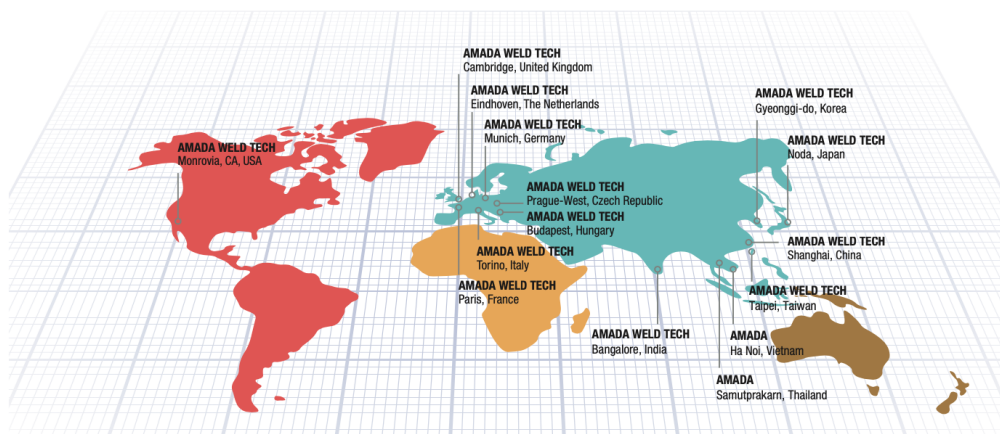
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