



Modular Pneumatic Weld Heads & Pincers

The weld heads and weld pincers are a complete range of weld heads in the force range of 40- to 1100 Newton. The revolutionary design offers extreme stiffness for optimum and constant welding performance. Accessibility from one side only, dust sealing, and easy exchange of modules lower the cost of ownership. The newhorizon weld heads and pincers are configured with 24 different basic modules to form up to 400 different weld heads. These weld heads form three basic families i.e. weld head for automation, bench weld heads, and weld pincers. Our weld specialists have the tools to help you configure the optimum weld head for your application. 3D modules are available to help integrate the newhorizon weld head into your system or work area. newhorizon weld heads offer optimal serviceability.

Key Features Modular Pneumatic Weld Heads & Pincers

- > Modularity and open architecture offer versatile solutions
- > Flexible configurations facilitates customisation and upgrades
- > Lower cost of ownership thanks to ease of maintenance and reduced spare part ordering and storage complexity
- > Strong brands from a global player ensure international coverage
- > Unique solutions are available for many industry markets with optional displacement sensor(s)
- > Modular design allows for wide range of products with short delivery times
- > One-side accessibility and exchange of modules for low maintenance costs
- > High stiffness for optimal weld performance
- > Availability of 3D models in CAD file drawing format for easy integration
- > Choice of Direct drive servo module or two stroke cylinder actuation
- > New electrode holder design for fast changeover, perfect stiffness and energy flow

Specifications Modular Pneumatic Weld Heads & Pincers

Model	Weld head for automation	Weld head for bench type	Weld pincer
Configuration	Without Stand	With Stand	Weld pincer
Electrode stroke	30 mm	30 mm	30 mm
Locking stroke	n/a	n/a	5 mm max
Floating stroke	n/a	n/a	30 mm
Closing stroke	Pneumatic 2-stroke cylinder or motorized actuation	Pneumatic 2-stroke cylinder or motorized actuation	Pneumatic 2-stroke cylinder or motorized actuation
Welding force pneumatic FP-400A or FP-400-Z	150 - 400 N	150 - 400 N	150 - 400 N
Welding force pneumatic FP-700A or FP-700-Z	280 - 700 N	280 - 700 N	280 - 700 N
Welding force pneumatic FP-1100A or FP-1100-Z	400 - 1100 N	400 - 1100 N	400 - 1100 N
Lower stroke unit force	Pneumatic; 30 mm stroke; 1600 N	Pneumatic; 30 mm stroke; 1600 N	n/a
Air pressure supply	6 Bar max for pneumatic act. VL40R or VLPV needed	6 Bar max for pneumatic act. VL40R or VLPV needed	n/a
Force adjustment pneumatic head	Via adjustable pressure control or proportional valve	Via adjustable pressure control or proportional valve	Via adjustable pressure control or proportional valve
Electrode holder	Quick change electrode holder	Quick change electrode holder	Quick change electrode holder
Secondary cables	95, 300 or 500 mm2 in various lengths	95, 300 or 500 mm2 in various lengths	95, 300 or 500 mm2 in various lengths
Environment temp.	0 - 40 °C	0 - 40 °C	0 - 40 °C
WEIGHT & DIMENSIONS			
Weight Pneumatic	4 kg	14 kg	19 kg

Product applications Modular Pneumatic Weld Heads & Pincers



Electronics



Electronics



Medical



Automotive



Automotive

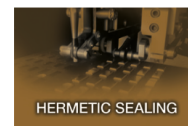


Automotive

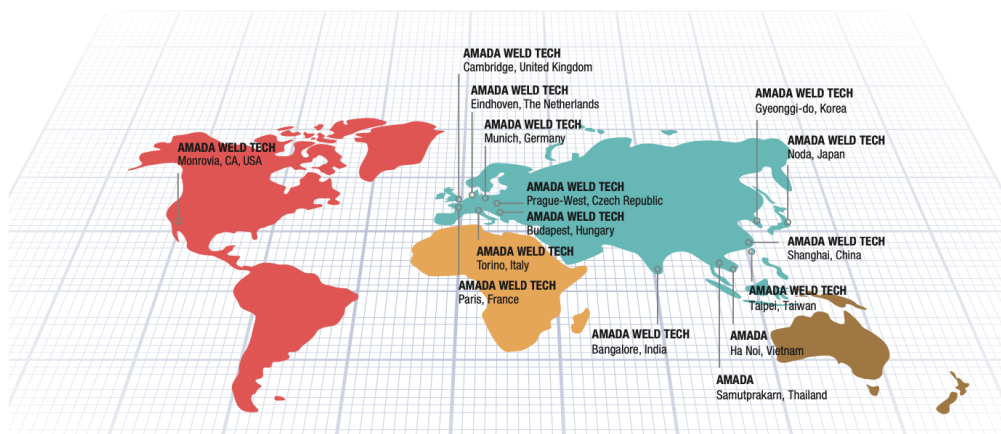
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