

FM-025A - High Precision Weld Head (formerly known as MFP25)

FM-025A is the newest member of AMADA WELD TECH's modular weld head series. It is designed to provide customers with the widest possible range of options and variations while emphasizing quality, efficiency and serviceability.

The low force, servo-motor driven FM-025A weld head with linear drive is specifically designed for use in the AMADA WELD TECH OP-AWS3-A Active Welding System.

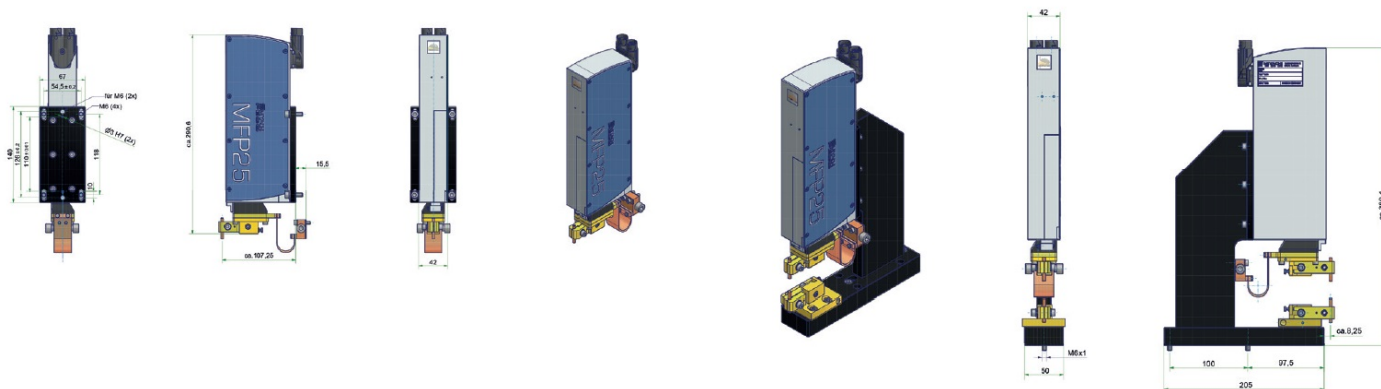
Key features FM-025A - High Precision Weld Head

- > Low force range: 1 N to 25 N
- > Compact and robust design for optimal system integration
- > Servo-motor with linear drive
- > Closed-loop force control
- > Linear drive system for fast and dynamic response
- > Programmable electrode speed, force and position deliver flexibility and ease of use
- > Robust design gives very low force oscillations
- > Full AWS3 functionality for high end process control

Specifications FM-025A - High Precision Weld Head (formerly known as MFP25)

Force range	1 to 25 N
Force resolution	0,1 N
Maximum electrode stroke	30 mm
Position accuracy	1 μ
Displacement measurement accuracy	0,25 μ
Maximum electrode velocity	200 mm/sec
Operating temperature range	0-40 °C
Electrode dimension	4 mm
Mounting possibilities	Stand or automation
Water cooling	Optional
Control system	AWS3
Programmable	Home, up & search position, up speed, down and search speed
Power requirements	230 VAC, 110 VAC optional

Drawings FM-025A - High Precision Weld Head (formerly known as MFP25)



Product applications FM-025A - High Precision Weld Head (formerly known as MFP25)



Automotive airbag



Medical



Lighting



Automotive sensor

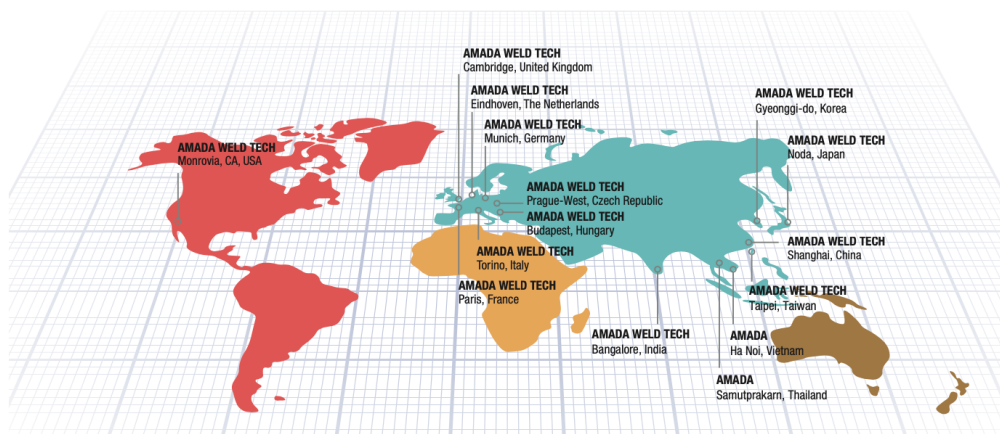
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AMADA WELD TECH

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