



FM-060A - Low Force Weld Head (formerly known as MFP60)

The new servo-motor driven FM-060A motorized high-speed, low-force weld head is specifically designed for precision, automated, high-speed applications found in the lighting, automotive, tooling, and electronics industries.

Its compact design makes it easy to integrate into existing production lines, but it was specifically designed for use with the OP-AWS3-A Active Welding System.

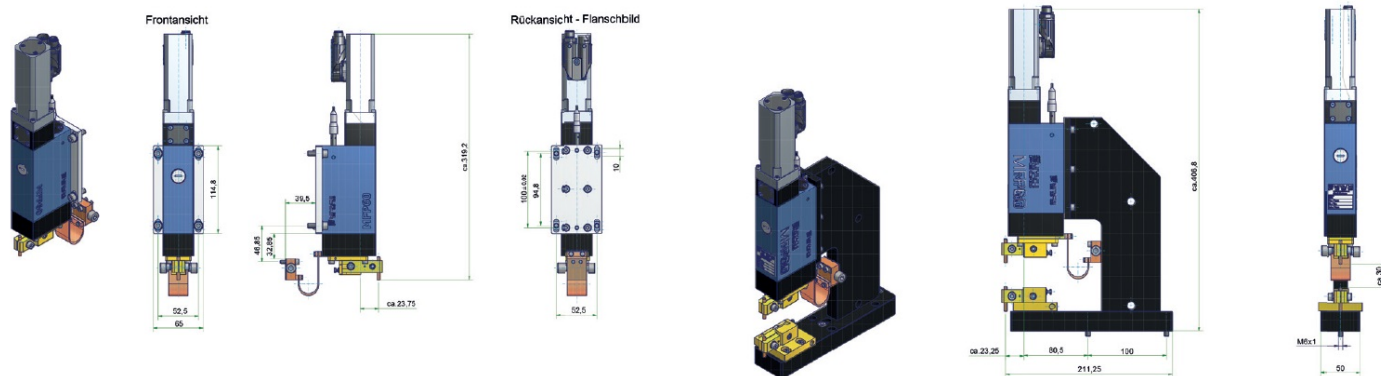
Key features FM-060A - Low Force Weld Head

- Compact design for optimal system integration
- Servo-motor driven for very short weld times
- Direct drive system for fast response
- Programmable electrode speed, force and position
- Robust design gives very low force oscillations
- Full AWS3 functionality for high end process control

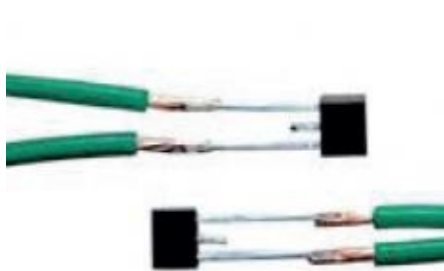
Specifications FM-060A - Low Force Weld Head (formerly known as MFP60)

Force range	20 to 60 N
Force resolution	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 degrees
Electrode dimension	3 mm, 6 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
Dimensions (WxHxD)	Actuator head only: 40 x 298 x 72 (mm)
Weight (in kg)	Actuator head only: 3,5 kg

Drawings FM-060A - Low Force Weld Head (formerly known as MFP60)



Product applications FM-060A - Low Force Weld Head (formerly known as MFP60)



Electric/Electronic components



Tooling



Lighting

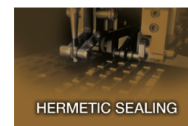


Automotive

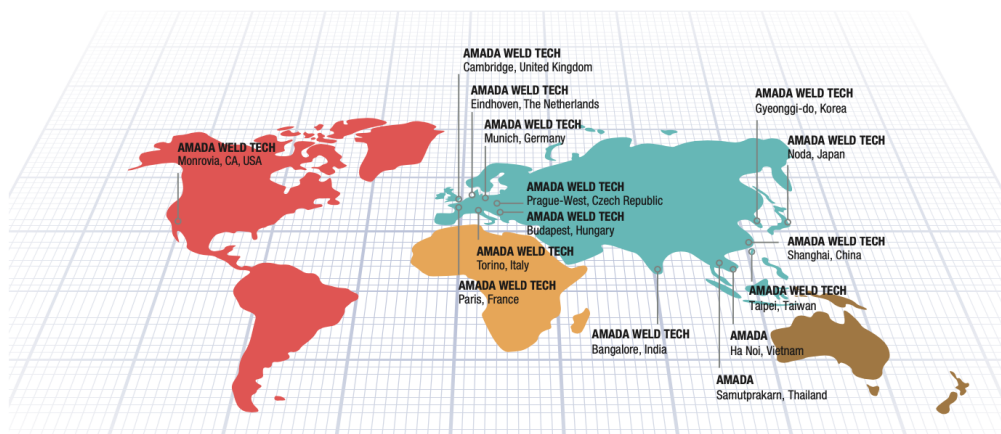
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