

MFP25 for AWS3 Motorised Weld Head

- Low force range with high precision and high speed
- 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
- Robust design gives very low force oscillations
- Full AWS3 functionality for high end process control

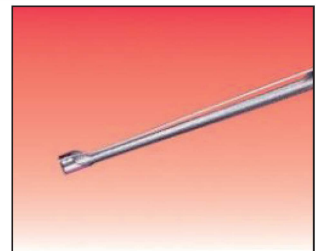
CONFIGURATION OPTIONS

The MFP25 is used with the AWS3 Active Welding System. The AWS3 integrates the process control of all mechanical and electrical parameters, static and dynamic process monitoring, quality analysis with advanced SPC feature and datalogging. More information can be found in the Technical Data Sheet of the AWS3 Active Welding System.

TYPICAL APPLICATIONS



Automotive Airbag



Medical



Lighting



Automotive Sensor

TECHNICAL SPECIFICATIONS

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

WEIGHT & DIMENSIONS

Dimensions (WxDxH)	actuator head only: 42 x 94 x 260 (mm)
Weight (in kg)	actuator head only: approx. 5 kg

DRAWINGS

