![AMADA]



# MFP1, MFP2 for AWS3
## Weld Heads

The MFP weld head series is a servo driven weld head technology designed to be used with the Active Welding System 3. Both products have an integrated displacement measuring system, rapid control response and outstanding dynamic response. Both weld heads deliver outstanding weld process stability and consistent reproducibility

Thanks to their floating bearing with locking cylinder, their outstanding follow-up properties and their short welding times the MFP weld head series is designed for a wide range of resistance welding applications. Maximum reliability and ease of maintenance generate an outstanding cost of ownership and a very long product life in operation.

## CONFIGURATION OPTIONS

The MFP1 and MFP2 weld heads are designed to be used in combination with the AWS3 from MIYACHI PECO. Please find more details in the Technical Data Sheet of AWS3.
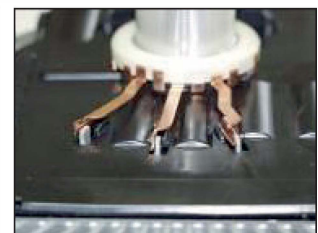
## TYPICAL APPLICATIONS



*Electro*



*Electro*



*Medical*



*Automotive*



*Automotive*



*Automotive*

## TECHNICAL SPECIFICATIONS

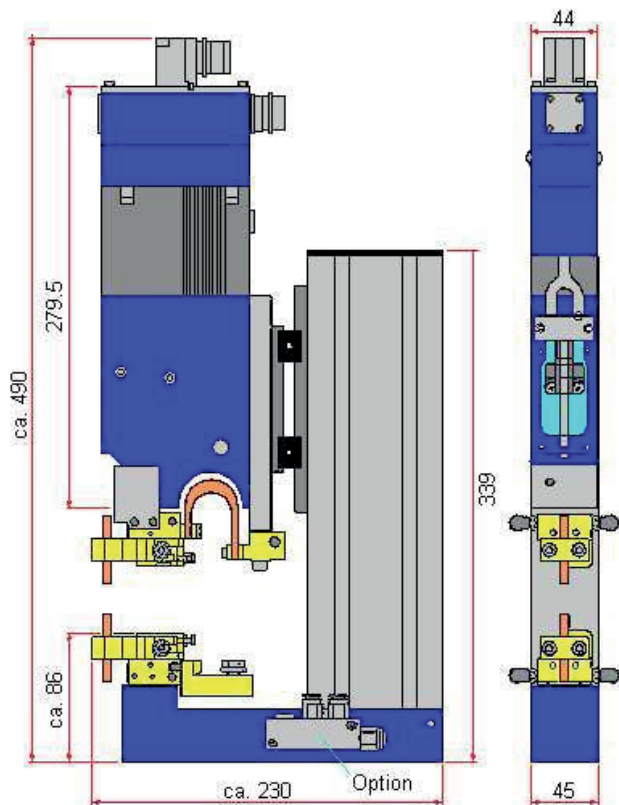| | MFP2 | MFP2-A | MFP1 | MFP1-A |
|---|---|---|---|---|
| Configuration | Servo motorised weld head with stand and quick-change electrode system; MFP-A versions are without a stand. | | | |
| Closing stroke | Servomotor-driven | | | |
| Welding pressure | Servomotor-driven | | | |
| Weld force max | 150 – 600 N | | 50 – 200 N | |
| Weld force adjustment | Via NC control unit | | | |
| Electrode shape | Locked, cylindrical, top and bottom d = 10 mm | | Locked, cylindrical, top and bottom d = 6 mm | |
| Electrode holder | Quick change holder with anti-torsion protection | | | |
| Max electrode stroke | 25 mm | | | |
| Secondary cables | 4x95 mm², 700 mm long | | 2x95 mm²,700 mm long | |
| Environment temp. | 0-40 °C | | | |
| Cooling | Water-cooled electrode holders | | | |

## WEIGHT & DIMENSIONS
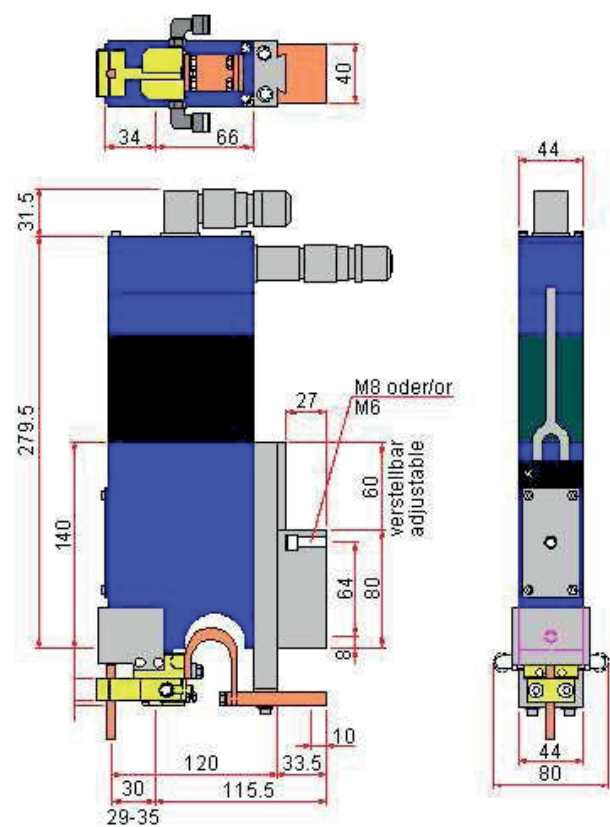
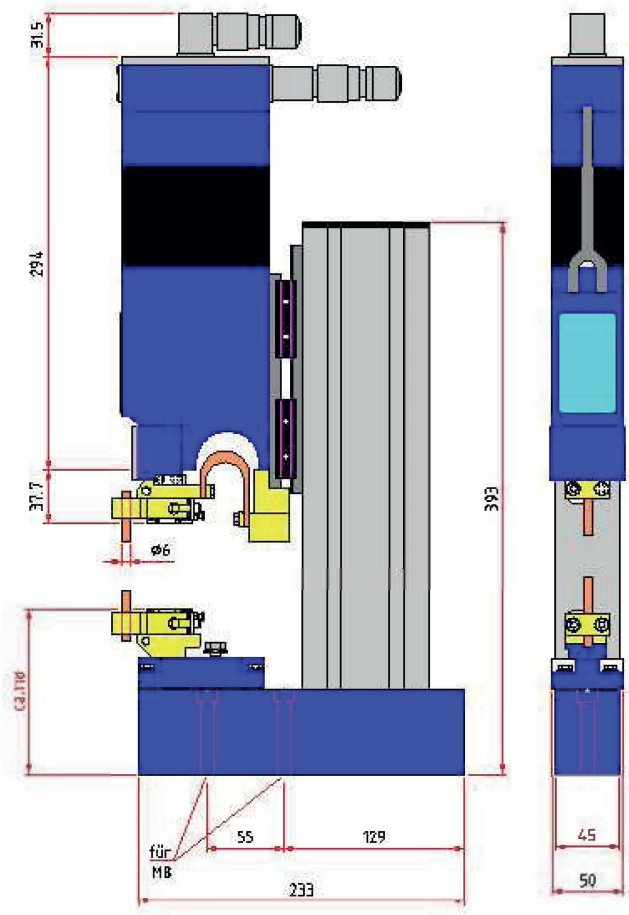| | MFP2 | MFP2-A | MFP1 | MFP1-A |
|---|---|---|---|---|
| Weight approx. | 13 kg w/o secondary cable | 5 kg w/o secondary cable | 13 kg w/o secondary cable | 4 kg w/o secondary cable |
| Dimensions (L x H x D) | 230x490x50 mm | 151x490x50 mm | 230x490x45 mm | 145x490x45 mm |

## DRAWINGS

### MFP1

### MFP1-A

**MFP2**

**MFP2-A**



M8 oder/or
M6

verstellbar
adjustable

Hub
Stroke

**MIYACHI** UNITEK | **MIYACHI** P E C O | **MIYACHI** EAPRO