



## F120, F160, FD120 - Têtes de soudage par point pour l'automatisation

Équipée d'excellentes fonctionnalités de suivi stable et de réponse dynamique, les têtes de soudage de la série MIYACHI PECO F sont bien adaptées à un éventail d'applications de soudage par résistance nécessitant à la fois précision et fiabilité.

Avec les trois modèles à votre disposition, des plages de force de 1,2 à 550 N, vous trouverez une tête de soudage adaptée à votre application.

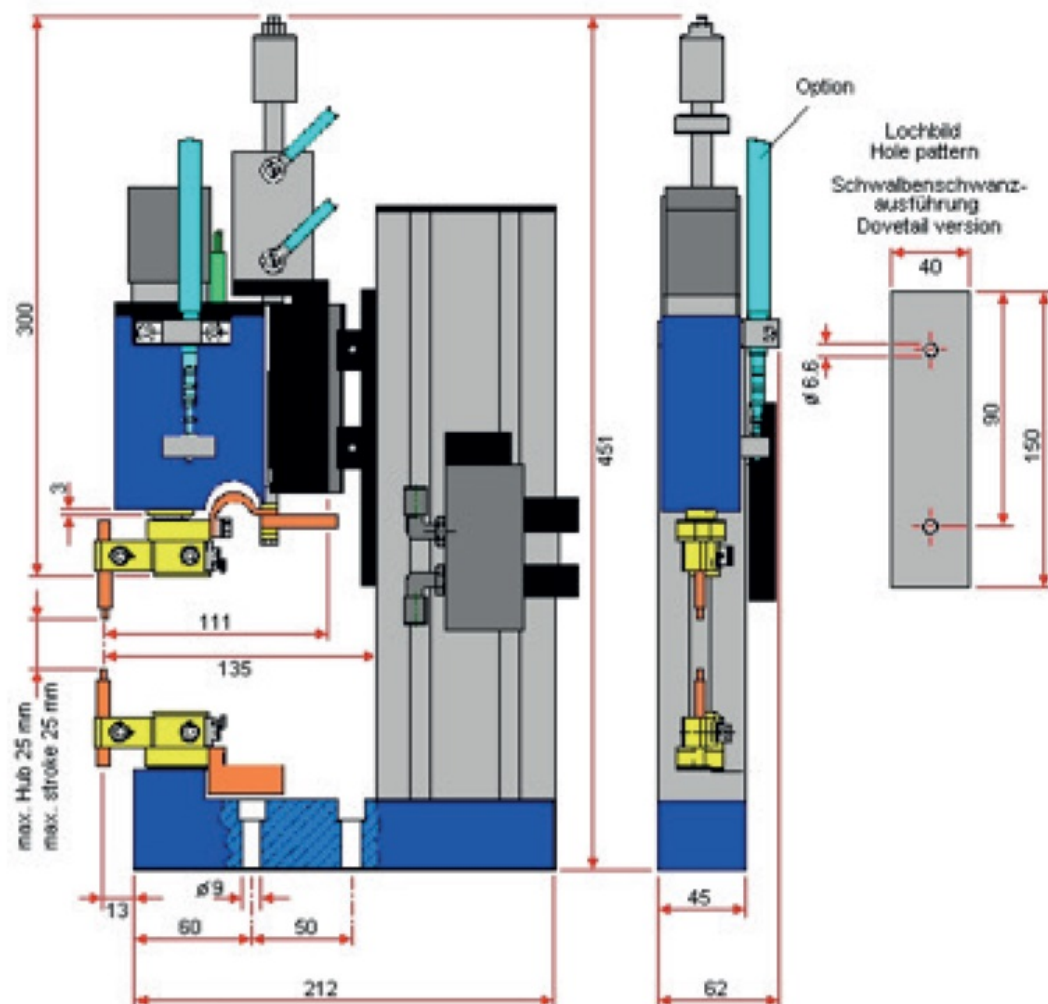
### Caractéristiques F120, F160, FD120 - Têtes de soudage par point pour l'automatisation

- Modulaire pour faciliter l'intégration à l'automatisation
- Mise à feu à force ajustable entre 1,2 et 550 N
- Suivi rapide
- Idéal pour des applications dont la sécurité est critique

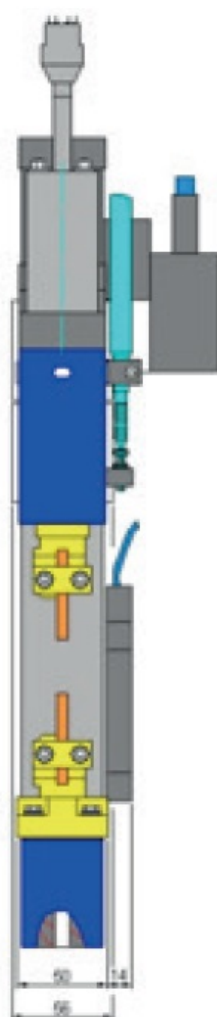
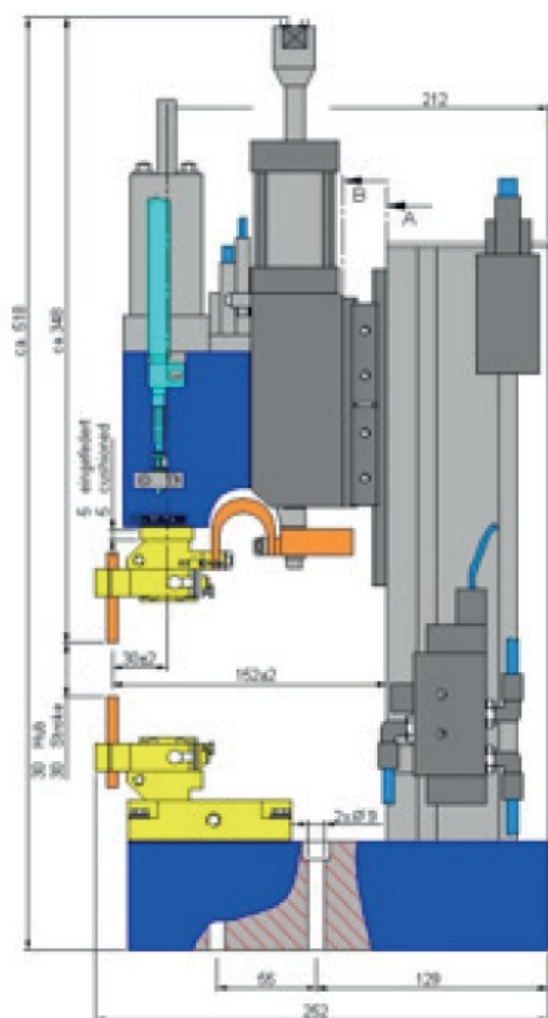
## Specifications F120, F160, FD120 - Têtes de soudage par point pour l'automatisation

| Modèle                         | F120                                                                                                                                         | F160                                                                                                                                         | FD120                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration                  | F120 can be equipped with three and F160 with four different springs                                                                         | F120 can be equipped with three and F160 with four different springs                                                                         | F120 can be equipped with three and F160 with four different springs                                                                         |
| Options                        | Add-on set - displacement measuring sensor; automatic weld head without stand and without lower electrode holde                              | Add-on set - displacement measuring sensor; electrode 10 mm; anti torsion protection                                                         | With portal                                                                                                                                  |
| Valeur nominale maximale       | 5 kA (2 kA with light current band)                                                                                                          | 5 kA (2 kA with light current band)                                                                                                          | 5 kA (2 kA with light current band)                                                                                                          |
| Course de l'électrode          | 25 mm                                                                                                                                        | 25 mm                                                                                                                                        | 25 mm                                                                                                                                        |
| Course de fermeture            | pneumatic                                                                                                                                    | pneumatic                                                                                                                                    | pneumatic                                                                                                                                    |
| Pression de soudage            | via pneumatic pre-tensioned spring                                                                                                           | via pneumatic pre-tensioned spring                                                                                                           | via pneumatic pre-tensioned spring                                                                                                           |
| Force de soudage maxi          | - 1.2 to 150 N -15: 1.2 to 15 N --45: 10 to 45 N -80: 18 to 80 N -150: 45 to 150 N (all depend on spring)                                    | -240: 50 to 240 N -550: 150 to 550 N (all depend on spring)                                                                                  | 15 to 150 N (depends on spring)                                                                                                              |
| Alimentation en air comprimé   | max 6 bar                                                                                                                                    | max 6 bar                                                                                                                                    | max 6 bar                                                                                                                                    |
| Réglage de la force de soudage | -S and FD versions: adjustable screws on the scale housing - All other versions: via adjustable pressure control valve or proportional valve | -S and FD versions: adjustable screws on the scale housing - All other versions: via adjustable pressure control valve or proportional valve | -S and FD versions: adjustable screws on the scale housing - All other versions: via adjustable pressure control valve or proportional valve |
| Forme de l'électrode           | cylindrical, d = 6 mm                                                                                                                        | cylindrical, d = 6 mm                                                                                                                        | cylindrical, d = 6 mm                                                                                                                        |
| Porte-électrode                | quick change holder made of gold-plated aluminium at the top and bottom                                                                      | quick change holder without antitortion protection for electrodes                                                                            | variable distance (max 10 mm) between the electrodes                                                                                         |
| Câbles de soudage              | 2x95 mm <sup>2</sup> , 700 mm long                                                                                                           | 4x95 mm <sup>2</sup> , 700 mm long                                                                                                           | 2x95 mm <sup>2</sup> , 700 mm long                                                                                                           |
| Temp. de l'environnement       | 0-40 °C                                                                                                                                      | 0-40 °C                                                                                                                                      | 0-40 °C                                                                                                                                      |
| Poids                          | from 5,5 to 7 kg                                                                                                                             | approx. 8 kg                                                                                                                                 | approx. 5,5 kg                                                                                                                               |
| Dimensions (L x H x P)         | vary                                                                                                                                         | vary                                                                                                                                         | 260x420x90 mm                                                                                                                                |

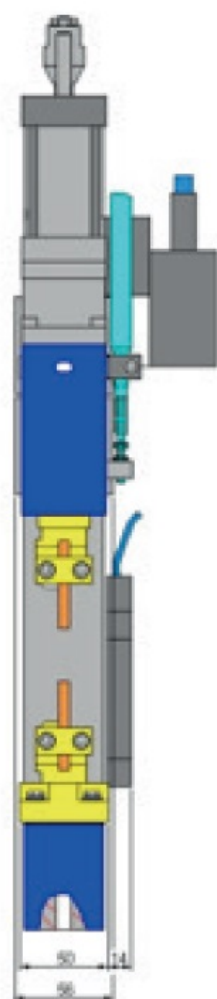
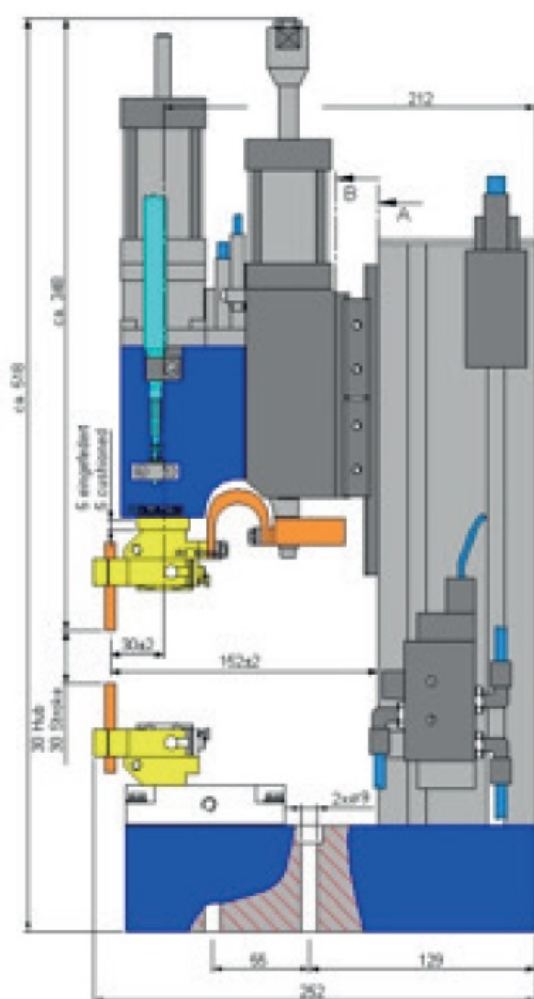
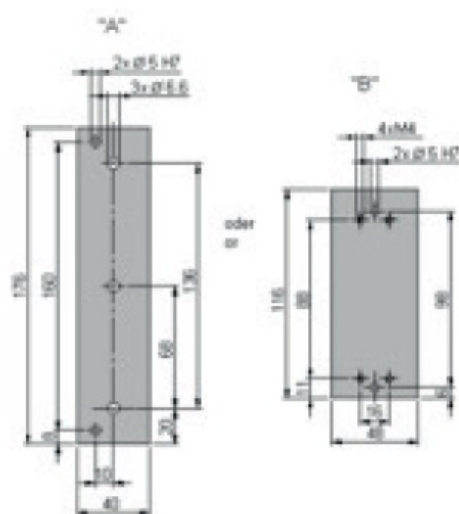
Drawings F120, F160, FD120 - Têtes de soudage par point pour l'automatisation



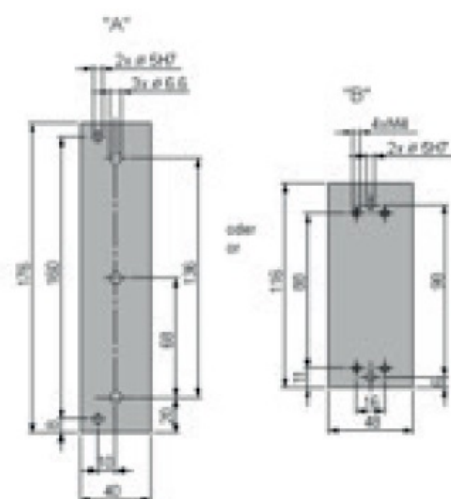


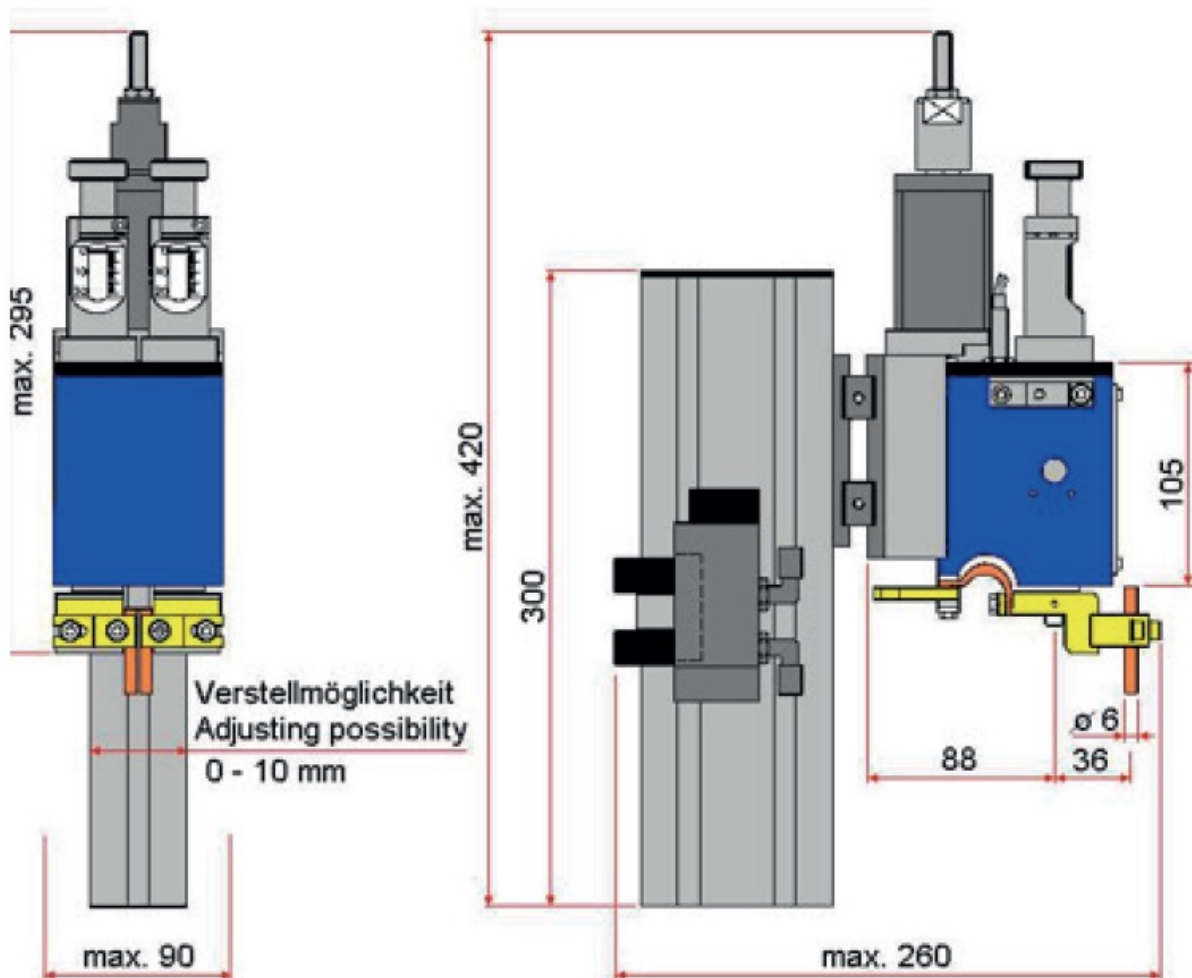
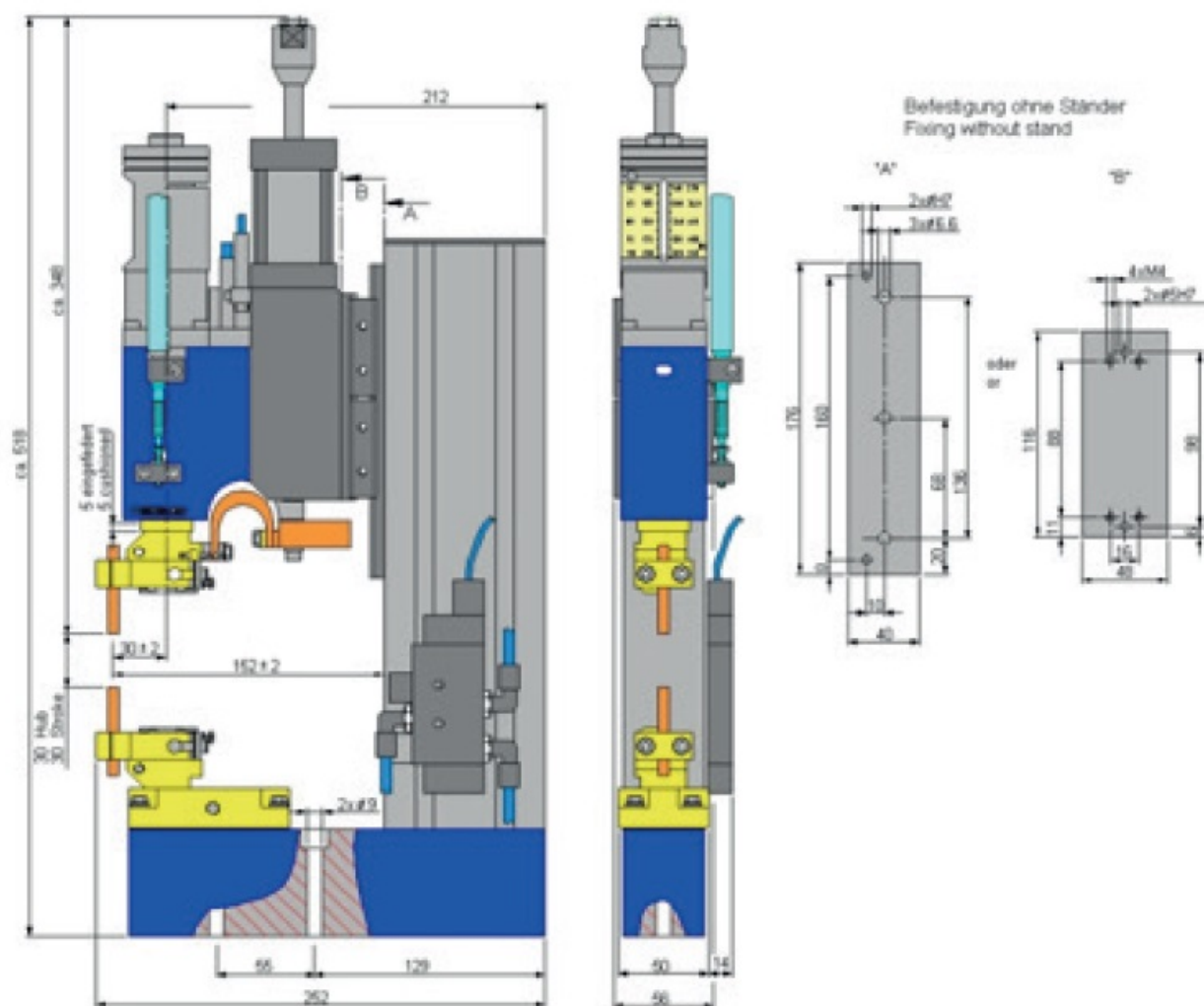


Befestigung ohne Ständer  
Fixing without stand



Befestigung ohne Ständer  
Fixing without stand





Product applications F120, F160, FD120 - Têtes de soudage par point pour l'automatisation



Crimp Weld Connector at gear box



Electronics



Interior Lighting

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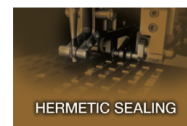
RESISTANCE WELDING



LASER WELDING



LASER MARKING



HERMETIC SEALING



HOT BAR REFLOW  
SOLDERING & BONDING



SYSTEMS SOLUTIONS

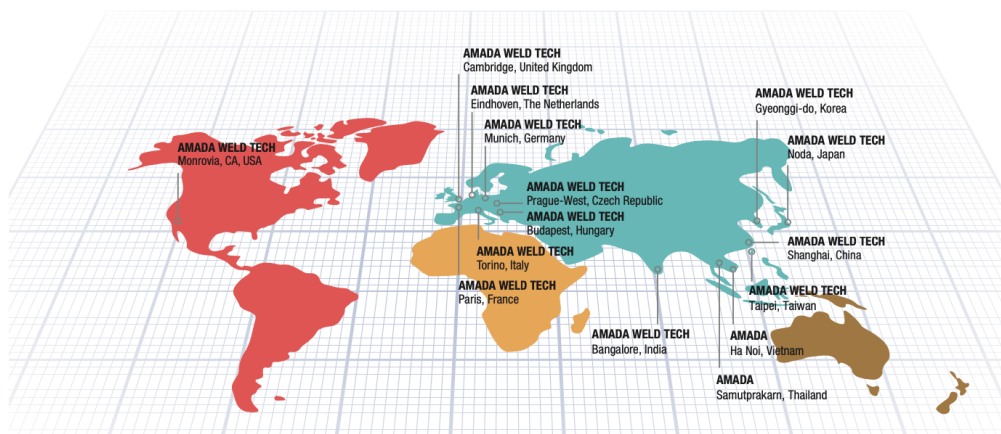


LASER CUTTING



MICRO TIG WELDING

### OUR SALES OFFICES



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