MSF PA
Midrange Stick Feeder

- Efficient and productive feeding
- Innovative design
- Excellent price-performance ratio
- Seamless feeding
- Easy user interface
- Fits all OFP-equipment
- Intelligent communication with placement system
- Handles all component types and stick formats
## MSF PA

### Midrange Stick Feeder

<table>
<thead>
<tr>
<th>Process Specification</th>
<th>MSF PA</th>
<th>MSF PA XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle Time per Component:</td>
<td>0.8 - 2.5 sec./product</td>
<td>0.8 - 2.5 sec./product</td>
</tr>
<tr>
<td>Feeder Width:</td>
<td>60 mm</td>
<td>80 mm</td>
</tr>
<tr>
<td>Tube reservoir:</td>
<td>406 mm</td>
<td>406 mm</td>
</tr>
<tr>
<td>Tube Length (min/max):</td>
<td>406 - 610 mm</td>
<td>406 - 610 mm</td>
</tr>
<tr>
<td>Tube Width (min inside/max outside):</td>
<td>6 - 40 mm</td>
<td>26 - 60 mm</td>
</tr>
<tr>
<td>Tube Height (min inside/max outside):</td>
<td>5 - 35 mm</td>
<td>5 - 35 mm</td>
</tr>
<tr>
<td>Pick and Place Unit Types:</td>
<td>Panasonic: CM4xx, CM6xx and NPM</td>
<td></td>
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</tbody>
</table>

### Technical Specification

- **Electrical Power:** 24 V
- **Compressed air:** 6 - 20% bar, according to DIN ISO 8573 3.4.5
- **Color:** Blank Anodized
- **Outside Dimension (L x D x H):** 60 x 1.776 x 825 mm (tube length 6180 x 1.776 x 825 mm (tube length 61)
- **Interface:** Panasonic Platform
- **Standards:** CE

### Options

- Secondary feeding for minimum stick exchange cycle
- Almost empty detection
- Receiving bin for empty tubes