Feeding solutions

IPTE component feeding solutions are designed to handle a wide variety of components from odd shaped components through to more standard types such as connectors and surface mount devices, with customised options also available.

IPTE feeders are totally interchangeable and upgradeable for new product types so only a very small portion of the unit is customised.

- Built for high reliability and retain an excellent price/performance ratio
- Feed a wide variety of odd shaped SMD and conventional components
- Integration to most available SMD platforms
- Intelligent communication to host platform

Axial Tape Feeder
ATF

- Efficient and productive feeding
- Integrated lead cutting and bending unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFP-equipment

Radial Tape Feeder
RTF

- Efficient and productive feeding
- Integrated lead cutting unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFP-equipment
Feeding solutions

Midrange StickFeeder
MSF
- Efficient and productive feeding
- Seamless feeding
- Easy user interface
- Fits most OFP-equipment
- MSF PA: Panasonic types CM4xx, CM6xx and NPM
- MSF SD: ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table
- Intelligent communication with placement system
- Large range component types and stick formats

Lean StickFeeder
LSF SD
- Efficient and productive feeding
- Vibration-free feeding
- Easy user interface
- Fits all ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table
- Intelligent communication with placement system
- Large range component types and stick formats

Tray Loader / Unloader
- Efficient and productive loading or unloading trays
- Easy user interface
- Includes basic gripper
- Mechanical tray orientation check
- Large range trays and tray formats

Tab Feeder
- Efficient and productive feeding of Faston tabs
- Integrated cutting unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFP-equipment
# Feeding specification

<table>
<thead>
<tr>
<th>Process Specification</th>
<th>ATF</th>
<th>ATF XL</th>
<th>RTF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cycle time per component:</strong></td>
<td>&lt; 0,8 sec (5 mm tape pitch)</td>
<td></td>
<td>0,8 - 2,5 sec/component</td>
</tr>
<tr>
<td><strong>Tape width/height:</strong></td>
<td>DIN IEC 286 and EIA 296</td>
<td></td>
<td>DIN IEC 286 and EIA 296</td>
</tr>
<tr>
<td><strong>Component dimensions:</strong></td>
<td>max. Ø 12 mm, 15 mm length</td>
<td></td>
<td>Ø 3 - 12 mm, 3 - 29 mm height</td>
</tr>
<tr>
<td><strong>Standard grid:</strong></td>
<td>12 - 20 mm</td>
<td></td>
<td>3,5 - 12 mm</td>
</tr>
<tr>
<td><strong>Lead diameter:</strong></td>
<td>0,4 - 0,8 mm Round, Oval, Square</td>
<td></td>
<td>0,4 - 1 mm Round, Oval, Square</td>
</tr>
<tr>
<td><strong>Lead cutting:</strong></td>
<td>0°</td>
<td></td>
<td>45° / 60°</td>
</tr>
<tr>
<td><strong>Reel diameter:</strong></td>
<td>Max. 400 mm</td>
<td></td>
<td>Max. 400 mm</td>
</tr>
<tr>
<td><strong>Pick position repeatability:</strong></td>
<td>± 50 µ</td>
<td></td>
<td>± 50 µ</td>
</tr>
</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):** 90 x 1.060 x 392 mm

**Interface:** IPTE

**Standards:** CE

### Options

- Tape Cutter
- Multi step tool (pre-forming)
- Component contacting tool
- Tape Cutter
- "Feeder almost empty" detection
- Polarity check
- Splice tool
- "Feeder almost empty" detection
- Reel paper separator
- Splice tool
- Ammo pack holder
- Reel clamping system
- Reel tape separator

## Process specification

<table>
<thead>
<tr>
<th>MSF</th>
<th>MSF PA / MSF SD</th>
<th>LSF SD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cycle time per component:</strong></td>
<td>0,8 - 2,5 sec/product</td>
<td>0,8 - 2,5 sec/product</td>
</tr>
<tr>
<td><strong>Feeder width:</strong></td>
<td>60 mm (XL: 80 mm)</td>
<td>60 mm (XL: 80 mm)</td>
</tr>
<tr>
<td><strong>Tube reservoir:</strong></td>
<td>406 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td><strong>Tube length (min/max):</strong></td>
<td>406 - 610 mm</td>
<td>406 - 610 mm</td>
</tr>
<tr>
<td><strong>Tube width (min in-/max outside):</strong></td>
<td>6 - 40 mm (XL: 26 - 60 mm)</td>
<td>6 - 40 mm (XL: 26 - 60 mm)</td>
</tr>
<tr>
<td><strong>Tube height (min in-/max outside):</strong></td>
<td>5 - 57 mm</td>
<td>5 - 30 mm (SD)</td>
</tr>
<tr>
<td><strong>IPTE Pick and place unit:</strong></td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>

**Panasonic MSF PA:** CM4xx, CM6xx and NPM

**ASM Siplace MSF SD:** S2x,F4/5, HF3/7,X,SX (S,X-table)

**Secondary feeding:** Option

**Product lift:** Option

### 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 (XL: 80) x 1.748 x 825 mm

**Interface:** IPTE

**Standards:** CE

### Options

- "Feeder almost empty" detection
- Receiving bin for empty tubes
- Product orientation check

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**IPTE**

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**IPTE SALES**

Detailed information on our worldwide sales offices can be found on our website at www.ipte.com