Fico Compact Line - X

Extreme High Density Trimming & Forming

The new Fico Compact Line - X (FCL-X) is the latest development in Trimming & Forming and processes extreme high density leadframes up to 125 x 300 mm.

The advanced pollution control system of the FCL-X allows trouble free processing of preplated and interdigit leadframes. Each press has dedicated aspiration, with controlled high air flow speeds and a unique cyclone dust filter.

Short and controlled transport distances increase the performance of the FCL-X and at the same time prevent damage to your products.

The FCL-X Approach

<table>
<thead>
<tr>
<th>Market Average</th>
<th>Fico Compact Line - X</th>
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<tbody>
<tr>
<td>Product conversion &gt; 15 min</td>
<td>Product conversion &lt; 3 min</td>
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<tr>
<td>20 kN press force</td>
<td>50 kN press force</td>
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<tr>
<td>High noise level (78 dB(A))</td>
<td>Low noise level (73 dB(A))</td>
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<tr>
<td>Single bulk</td>
<td>Unique configurable binning</td>
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<tr>
<td>No pollution control</td>
<td>Advanced pollution control</td>
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</tbody>
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Loader
- Dual stack with automatic magazine rotation
- Auto ejection of rejected leadframes
- Servo motor controlled leadframe pusher
- Strip loading with vacuum pick-up head
- Very short leadframe travel
- Smooth leadframe acceleration and transport

Vision Inspection
- Leadframe identification
- Leadframe orientation
- Large field of view
- High definition camera
- Stable construction

Press
- High force: 50 kN
- Optical contactless safety pin detection
- High airflow (vacuum and/or compressed air) in tool
- Easy tool exchange
- RFID tool recognition
- Output control from user interface

Tool
- High accuracy and reliability
- Sophisticated design for easy maintenance
- Different forming principles
- 125 mm tool width
- Enhanced pollution control

Binning
- 4 bins (configurable function)
- Product offloading directly down from tool
- Short distance – no sticking
- Vacuum in tool through bin for controlled product flow
- Easy bin exchange – software controlled

Machine Dimensions
- WxDxH: 1158 x 950 x 1455 mm
- Weight: approx. 850 kg

Speed
- Max. 250 strokes per minute

Leadframe Dimensions
- Width: 25 - 125 mm
- Length: 170 - 300 mm

Noise Level
- Lower than 73 dB(A)

Supply Requirements
- Voltage: 208-480VAC - 3~
- Frequency: 50 / 60 Hz
- Power rating: 0.9 kVA
- Average air consum.: 1.32 Nm³/h