

Fico Compact Line - X



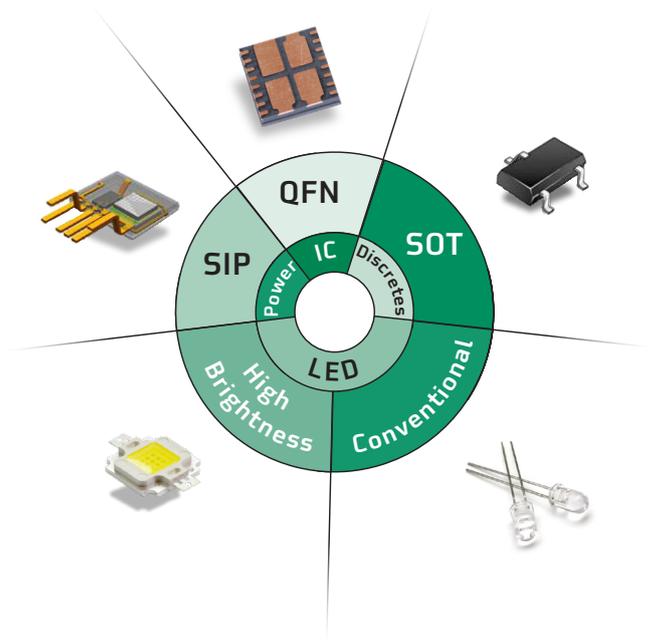
Extreme High Density Trimming & Forming

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.

Future Proof Equipment



The FCL-X approach

Fico Compact Line - X

- ✓ Product conversion < 3 min
- ✓ 50 kN press force
- ✓ Low noise level (73 dB(A))
- ✓ Choice of 7 offloader types
- ✓ Advanced pollution control

Market average

- ✗ Product conversion > 15 min
- ✗ 20 kN press force
- ✗ High noise level (78 dB(A))
- ✗ Single bulk
- ✗ No pollution control



LOADER



INSPECTION
MODULE



PRESS

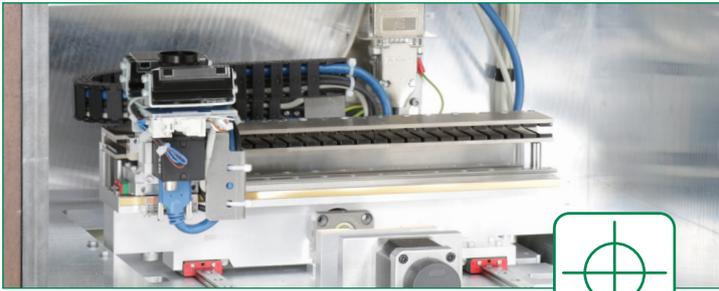


TOOL



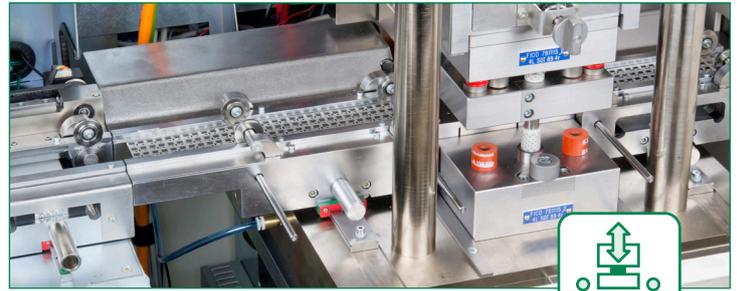
OFFLOADING





Advanced Vision Inspection

- Single unit detection
- Top and Bottom inspection
- Lead inspections
- Package inspections
- More than 20 inspections available



Press

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



Laser Marker

- Top or Bottom laser
- Increased output with dual top or dual bottom laser
- Clean products; standard high capacity exhaust, optional brushes
- Keyence MD-X1020C laser



Tool

- High accuracy and reliability
- Sophisticated design for easy maintenance
- Different forming principles
- 125 mm tool width
- Enhanced pollution control
- Selective punching (patented)



Modular Fico Compact Line structure



Offloading

- 7 offloading options:
 - Bulk
 - Tray (JEDEC)
 - Tube
 - Stack Magazine
 - Multi Channel Tray
 - Slotted Magazine
 - SMEMA outfeed

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

* final dimensions depends on the system configuration

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