

Fico AMS-i



Intelligent Molding System

The Fico AMS-i is a fully automatic molding system. It is designed for all current and future package types, using any type of pelletized molding compound.

Independent, flexible press operation, high reliability and the shortest machine time in the market, guarantee high output.

Intelligent mold identification automatically loads process parameters and ensures quick start-up and ease of operation.

Future Proof Equipment



Fico AMS-i

- High output
- Slotted/stacked offloading
- Cavity & Board vacuum
- SECS-GEM
- Automatic tool recognition
- Dynamic temperature control
- Flexmode operation
- Full product quality inspection





Easy operation

- Fast user guided tool exchange
- Touch screen user interface with on screen help function
- Easy maintenance accessibility
- Flexmode operation; production continues during mold cleaning



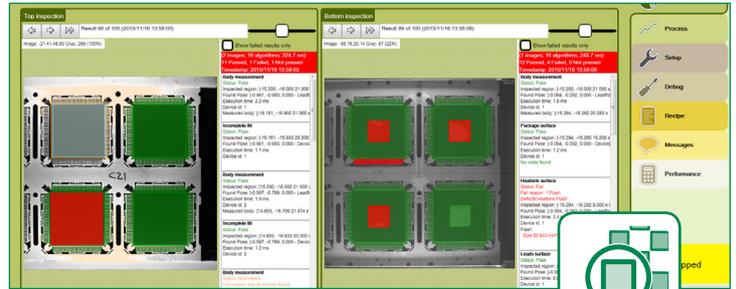
Molding Press

- Cavity and Board vacuum
- Dynamic temperature control
- Adjustable clamp force
- 18s mold open time
- Retractable pins (for full encapsulation)



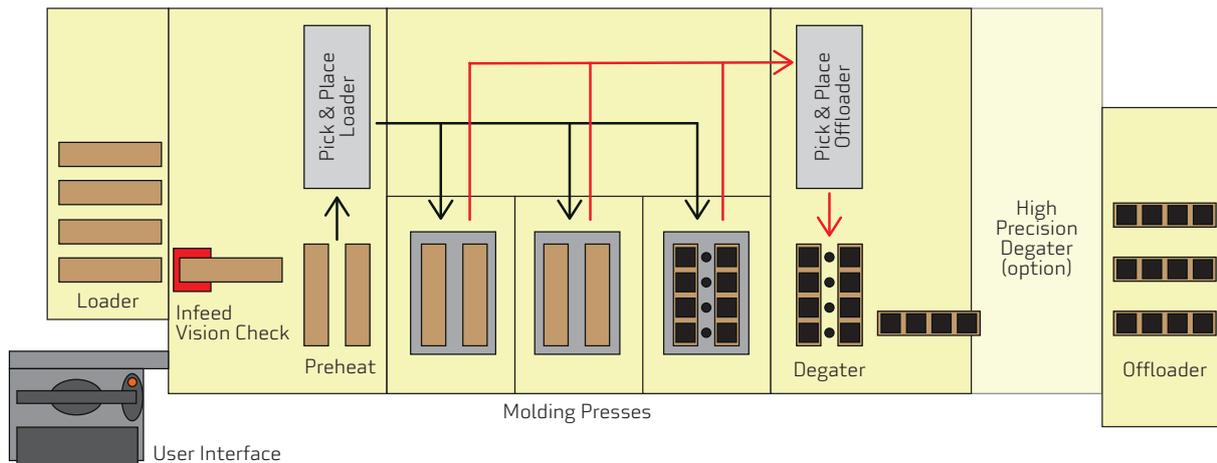
Degating

- Butterfly degating
- Top runner degating
- Subrunner removal tool
- High precision degating



Vision Inspection

- Infeed inspection (identification, orientation, 2D-dot code)
- Molding Quality Inspection
- Product size measurement
- Incomplete fill check
- Surface detection of Package, Heatsink and Leads



Machine dimensions

- Width: 3733 - 4173 mm
- DxH: 1759 x 2150 mm
- Weight: 3690 - 4935 kg

Cassette dimensions

- Width: 80 - 85 mm
- Length: 150 - 300 mm
- Height: 200 - 250 mm
- Storage cap.: 800 mm

Supply requirements

- Voltage: 208-480VAC - 3~
- Frequency: 50 / 60 Hz
- Power rating: 8.5 - 13 kVA
- Compressed air: 5 - 10 bar
- Av. air cons.: 6 m³/h @ 6 bar
- Factory exh.: max.1500 m³/h
- Clean room class 1000

Press and mold

- Max. clamp force: 900 kN
- Max. transfer press.: 150 bar
- Pellets: 11, 14, 14.3, 16, 18 mm
- Max. cavity temp diff.: 2°C

Leadframe dimensions

- Max. 75 x 280 mm