

Meco EDF/EPL

EDF/EPL - Electro DeFlash / Electro Plating Line

The Meco Electro DeFlash and Electro Plating line is a cutting-edge system designed to set the industry standard for leadframe solder plating. With over 400 installed systems worldwide, Besì has established itself as a leader in this field.

System capabilities

The Meco EDF/EPL is designed to handle a wide range of leadframe products, with the ability to process leadframes of any size up to 110 x 315 mm. This flexibility makes it an ideal solution for various applications.

Benefits of the Meco EDF/EPL

The Meco EDF/EPL offers several benefits, including:

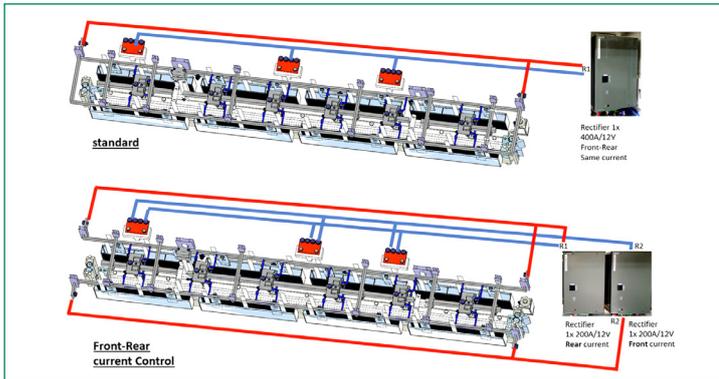
- High Performance capabilities.
- Low cost of ownership.
- Unsurpassed product quality.
- Ability to handle large leadframes (up to 110 x 315mm).

Scalable to your production needs

- Available in different output capacities.
- Straight line or U shape configuration.
- Stacked and/or slotted cassette handling.
- Optional FM4910 compliant.
- Neutral Electro Deflash or SD-4 (Short Inline Deflash)*

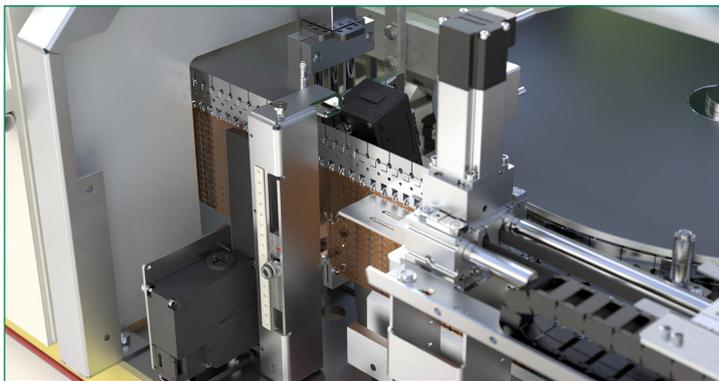
**SD-4 (Short (Chemical) in-line Deflash) is an alternative for long-immersion Chemical Deflash: 2 min instead of 30 minutes CD.
- Cost efficient in-line integration with Sn plating.
- Only for Cu based QFN Leadframes.*





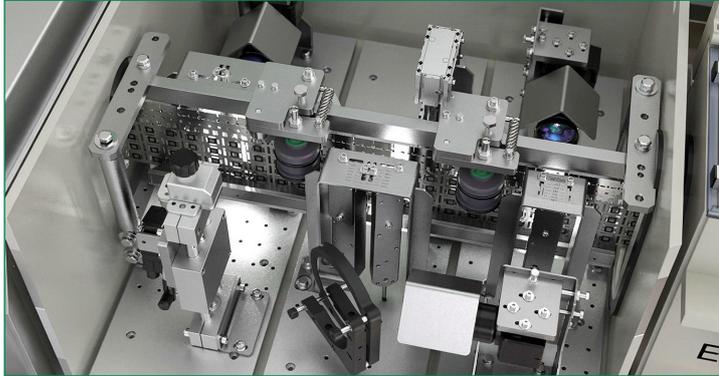
Front - rear plating current control

- Active front - rear plating thickness control.
- Enabling lower nominal Sn thickness.
- Higher machine output.
- Significant cost savings.



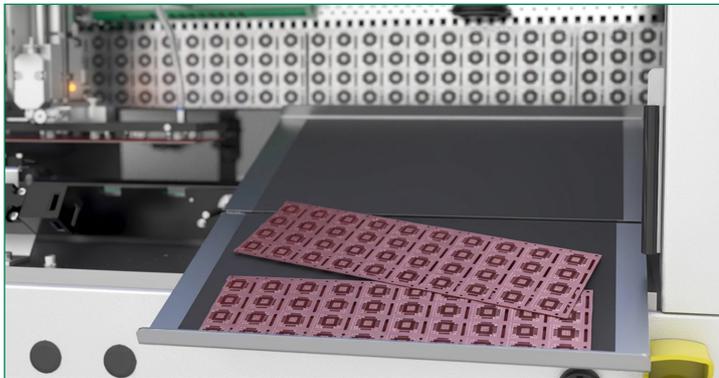
Product tracking (2D code reader)

- 2D camera with automatic height adjustment.
- Scanning after loading (moving belt).
- Link to host (SECS/GEM) for full traceability.
- Link to RPS function to mark OK-NOK for each uploaded product.



Automated Optical Inspection (optional)

- Partial plating / plating quality.
- Plating peeling / scratching.
- Solder whiskers.
- Remaining burr / flashes.
- Foreign matter / particles.
- Product deformation.
- Discoloration.



Rework Product Segregation (optional)

- Up to 5 rework areas can be defined by the user.
- Each rework area can have different max. stop time.
- Overlap of areas is possible.
- Multiple stoppages can be handled.

Possible configurations

- Straight line or U-shape.
- SD-4, EDF, EPL, EDF/EPL, SD4/EDF/EPL.
- UHPR Deflash: Static Nozzles or Rotating nozzles.

Output Capacity

- 4 m/min line: 1,200 lf/h (L=200mm).
- 6 m/min line: 1,800 lf/h (L=200mm).
- 8 m/min line: 2,400 lf/h (L=200mm).