

Beltrotherm

FINAL CURING PHOTO SOLDERMASK AFTER EXPOSURE
AND DEVELOPEMENT WITH UV-BUMP OPERATION FIRST



BELTROTHERM FINAL CURING PHOTO SOLDERMASK AFTER EXPOSURE AND DEVELOPEMENT WITH UV- BUMP OPERATION FIRST

Product description:
Double-sided Final Curing Line for soldermask

Pos 1: Feeder

Pos 2: UV-bump double-sided

Pos 3: BELTROTHERM-dryer doulbe-sided

Pos 4: Stacker



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The line is working fully automatic after loading in 3-shift operation without supervision.

The length of the BELTROTHERM-dryer is designed according to capacity requirements.

The high-end properties of the solder mask to prevent undercutting in aggressive chemical processes and offer maximum durability in multiple soldering processes.

For different PCB thickness ranges and special types of temperature profiles - tuned to an optimal drying process – are created and stored in the PLC. Optimized temperature profiles are recorded and stored in up to 120 programs.

Technical Information Beltrotherm

- Working widths: 610 mm / 24" or 760 mm / 30"
- Belt speed: adjustable
- Tack drying soldermask: 0,5 - 50,0 m/min.
- Curing soldermask: 0,2 - 2,0 m/min.
- Curing paste: 0,5 - 5,0 m/min.
- Temperature range: RT - 250°C
- Electrical connection: 400 V 3/N/PE 50 Hz
- Connecting power per module: 9,3 kW / 18,6 kW
- Working power per module: 4,6 kW / 9,3 kW
- Supply air, exhaust air per Module 100 - 300 m³/h
- Module length: 1000 mm
- Module width: 1000 mm
- Module height: 1200 mm
- Available modules:
 - tranquilizers module
 - Abdunstmodul
 - heating module
 - cooling module
 - Inlet / outlet, various
 - PLC control: In the mobile console with touch-screen screen

The Thermo-Dryer BELTROTHERM are used successfully in: printing industry, electronic industry, plastic industry, textile industry, packaging industry, automotive industry and glass industry.

These are just a few examples from the various partner portfolio of Beltron.

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