

HC-650

Cooling Conveyor System with Air Cushion Transport



The cooling conveyor System HC-650 is specially designed to cool down the temperature of hot air leveled boards and to transport them to the Post Cleaning Line without any scratches. The system works with an air cushion, which will be formed above a perforated stainless steel plate by a high pressure blower. The operator place the leveled boards on this air cushion. The uniformity of the air cushion takes care for a preserved cool down without any scratches on the leveled pads. The transport of the boards to the Post-Cleaning System takes place according to the principle of gravity by a gentle gradient of the cooling conveyor system. The blower is stepless adjustable to increase or decrease the air cushion

power for different weights and sizes of the Printed Circuit Boards. At the output of the conveyor system pneumatically retractable foot pedal actuated pins, are installed to control the cooling time on the air cushion and to adjust the boards on their way into the Post Cleaning System. The Cooling System HC-650 is a maintenance free system and is suitable for the integration in an automated horizontal production process.

Features

- Gentle and uniform cooling down of the printed circuit boards
- Cooling process without deformation and scratches on the pads
- Transport on air cushion – thus no pressure and support cratches
- Intergration capability with existing post cleaning systems

Technical Details

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| • Dimensions: | 1400 x 700 x 1050 mm (LxWxH) |
| • Working width: | 650 mm |
| • Working height: | 910 mm +/- 30 mm |
| • Material: | PVC light-grey or PP |
| • Power supply: | 230 V, 50 Hz, 1P/N/PE, 0,7 kW |
| • Compressed Air supply: | 6-8 bar, plug-system |

