



# Double-sided continuous-dryer

## Application:

Uv curing and uv post-polymerisation of photoimageable soldermask on printed circuit boards and flex-boards.

## Advantages:

The developed soldermask will be final UV cured in addition to the final thermal curing process. The post-polymerisation process improves the surface characteristics of the solder mask regarding resistance to chemicals in the nickel gold bath, during hot air leveling, in chemical or galvanic tin bath along with the electric surface properties. Exposure time can be reduced to a minimum because the final properties are realized by UV polymerisation.

## Technical Information Double-sided continuous-dryer

- 2 Medium pressure UV lamps, 800 mm active length
- 1 UV lamp below and 1 UV lamp above the conveyer system
- Conveyor speed: Conveyor speed 1,0 to 6,0 m/min adjustable (others on customer's request)
- Dimensions of PCB:
  - Width: 100 up to 720 mm
  - Length: 100 up to 760 mm
  - Thickness: 0,4 up to 5,0 mm
  - Panel warpage: max. +/- 6mm
- Dimension of the machine:
  - Length: 1500 mm
  - Height: 1160 mm
  - Width: 1300 mm
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

The Double-sided continuous-dryers are used successfully in:  
electronic industry, plastic industry, pharmaceutical industry and automotive industry.

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

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