

Continuous system with tray accumulator

VDU 110/15/450-120°C



APPLICATION

Cross-linking of intraocular lenses (IOLs)

INDUSTRY

Optics

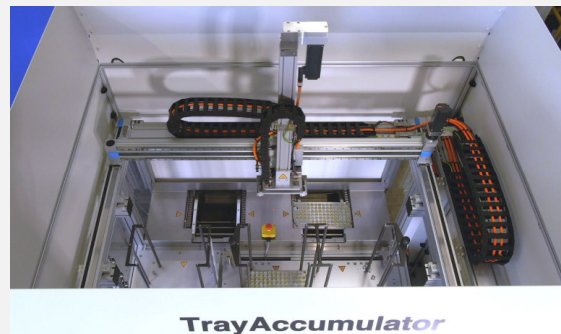
Stand the test of time.

Technical Data

- Nominal temperature: 120°C
- Heat output: 69 kW
- Input voltage: 3 (N) PE AC 400 V, 50 Hz
- Inner dimensions:
 - Width 18 in (450 mm)
 - Height 6 in (155 mm)
 - Depth 184 in (4667 mm)
- Outer dimensions:
 - Width 65 in (1660 mm)
 - Height 85 in (2150 mm)
 - Depth 215 in (5470 mm)
- Incl. tray accumulator:
 - Depth 287 in (7300 mm)
- Circulating air flow: 14x20 m³/min
- Air direction: horizontal / vertical
- Operation modus: cycle operation

System Description

- 12 controlled heating zones for 100°C (curing zone) and 2 heating control zones for 75°C (Cooling zone)
- 26 temperature sensors for product monitoring (NIO criteria)
- Independently 2 x 2- strand chain conveyor system in FDA design
- Siemens S7 with 19" Touch-Panel, OPCUA interface,
- Design of a SQL database with batch protocol (21 CFR Part 11)
- Manual and automatic QR-code scan processes



Special Features

- Smooth transportation of the lenses through the oven
- Excellent spacial temperature distribution $\pm 2K$
- Inlet area with humidity control and tube chiller
- Shutter walls for adjustments of the air flow
- Optional: Automatic stacking of trays at NIO positions or transport trolley

Stand the test of time.