



OptoTech

# DeBoxer

CNC-Controlled Machine for Automatic Unpacking of Semi-Finished Lenses

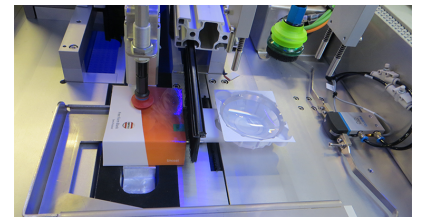
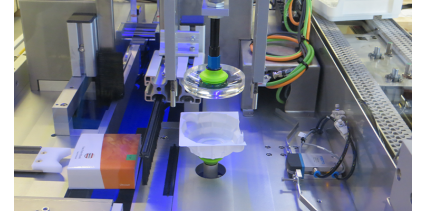


The new automatic DeBoxer is the first ever fully automatic system to specifically unpack semi-finished lenses. Depending on the type of boxes, this machine can unpack up to 300 lenses/h. Moreover, the DeBoxer can optionally be equipped with 2 outgoing conveyors for direct waste separation in carton and plastic.



## Technical Data

	DeBoxer
Application	Automated Unpacking of Semi-Finished Lenses
Lens Diameter	55 mm - 85 mm
Box Dimensions	from 70 x 70 x 15 mm up to 90 x 90 x 35 mm (WxDxH) with automatic measuring
Control	PC based CNC-Controller
Productivity	300 lenses/h; depending on box type
Air Pressure Requirement	6.5 bar
Power Requirement (others on request)	400 V / 50 Hz 3 Phase
Dimensions	Width: 1360 mm, Height: 2200 mm, Depth: 1150 mm
Weight (approx.)	630 kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.



## Highlights

- Especially developed to unpack semi-finished lenses
- Depending on the type of boxes, this machine is able to unpack up to 300 lenses/h
- Suitable blank boxes: from 70x70x15mm to 95x95x35mm with automatic in-process measuring
- Never touched front curve while processing
- Sustainable green process: Separation of plastic and carton into separate waste containers
- Open System: Can be used in combination with other OptoTech and Non-OptoTech machines
- Job-tray detection with RFID and Barcode-Scanner
- New brushless EC flat Motor and Servo Motor controlled cutting unit
- New generation of low air vacuum consumption
- Completely covered. Safety-unit with double doors.

## System Advantages

- Fast: Unpacking of up to 300 lenses/hour
- Clean: Automatic waste & recycling management to separate plastic and carton into different waste containers
- Reliable: No contact with front curve during handling process to ensure minimal risk of surface damage
- Economic: Fully automatic process using the latest low air vacuum technology
- Easy access to all parts of the machine

## Options

- Waste conveyor belts for direct waste separation in carton and plastic material
- Knife sharpening device