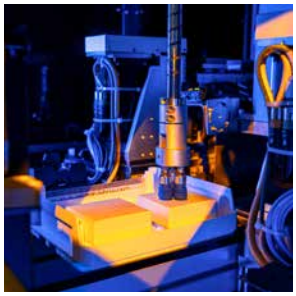


NEO-unbox

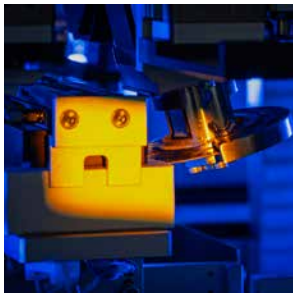
AUTOMATIC UNBOXING SOLUTION FOR SEMI-FINISHED LENSES

Optical Manufacturing Solutions.

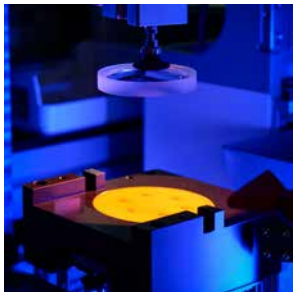
satisloh®



NEO-unbox replaces manual labor with high-speed automated lens box handling.



Long-life cutting system ensures long-lasting performance with fewer replacements and reduced maintenance costs.



Handles both cupped and uncupped lens blanks.



Cardboard and plastic waste are separated to support efficient recycling.

NEO-UNBOX

NEO-unbox reduces manual labor, saves time, and increases overall lab productivity by fully automating the process of unpacking semi-finished lens boxes with unparalleled precision. This cutting-edge robotic solution picks up the lens box from the tray, verifies the lens before opening, opens the box, unpacks the lens, removes and sorts cardboard and plastic packaging into separate containers and places the lens back into the tray for further processing.

FEATURES + BENEFITS

- Maximizes production capacity with the highest throughput on the market (520 boxes/hour) and best-in-class space efficiency with a footprint of just 2.25 m².
- Independent dual-lane design ensures continuous operation.
- Long-life cutting system, low-maintenance machine design and stable robotic calibration maximize uptime and reliability.
- Dynamic laser-guided pickup and automatic left/right eye correction reduce error-induced machine stoppages.
- Real-time data capture on unboxing rate, defects and exceptions.
- Lowers operating costs with an attractive return on investment.
- Risk-free step-by-step implementation capability.
- Automatic waste separation supports more efficient recycling processes.
- Full MES-360 compatibility.

TECHNICAL INFORMATION

Productivity	520 boxes / hour
Supported box sizes	70 x 70 x 15 mm & 95 x 95 x 35 mm 2.75 x 2.75 x 0.59 inches & 3.74 x 3.74 x 1.38 inches
Lens Dimensions	Ø 55-85 mm, 20-35 mm thickness
Cup types	Cupped & uncupped
Dimensions (w x d x h)	1,503 x 1,508 x 2,013 mm (excl. lamp & conveyor) 59 x 59 x 79 inches (excl. lamp & conveyor)
Weight	1680 kg / 3704 lb



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All technical data subject to change without notice. Verify details with Satisloh.

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