

# 5 REASONS WHY LABS SHOULD MOVE TO ART



## 1. EFFICIENCY & SPEED

- Reduced process steps: eliminates taping, cool-down time, and detaping
- No cool-down time means:
  - Up to an hour of process time saved vs. alloy.
  - Smaller lab footprint (no stackers/destackers or cooling conveyors required for holding trays during cool-down).
- Full process automation including automated block-piece handling. Labor reduction by up to 70% compared to manual alloy.
- ART enables seamless, automated lens processing from generating all the way through hard and AR coating (Express AR technology).



## 2. QUALITY

- Increased yield and improved lens quality due to:
  - Higher lens surface support for more precise surface cuts and reduced chatter marks.
  - Feedback loop: ART-Blocker-A probes blank front side and feeds actual measurements to the LMS system for precise recalculation of the back surface.
  - Spatial blocking for precise lens positioning means highest accuracy of prism and thickness.



## 3. ECOLOGICAL FOOTPRINT

- ART is free of toxic Lead and Cadmium. This means no water contamination and safe working condition for operators.
- Up to 5 times lower water usage compared to automated alloy blocking: ART-Deblocker-2 with WFS2 (Water Filtration System) recirculates water (alloy deblockers do not) and no detaper required.
- Up to 50% lower energy consumption. Only two machines with ART (blocker, deblocker) vs. four with alloy (taper, blocker, deblocker, detaper). No alloy tank heater. No cooling plate.
- ART uses 99,99% less mineral materials than alloy avoiding the depletion of valuable resources, such as Bismuth and Indium.\*
- The use of ART instead of alloy reduces the impact of blocking on climate change by 30%.\*



## 4. COMPATIBILITY

- ART's OPS blocks are compatible with standard equipment collet chucks, allowing mixed production of ART and alloy blocked lenses.
- Open system makes transitioning from alloy to ART easy.



## 5. PEACE OF MIND

- Secure supply chain
  - Adhesive production on two continents ensures uninterrupted availability.
  - Alternative raw material sources are available.
- Stringent quality control of all ART components.
- Adhesive price secure and not subject to market variation like alloy.
- 160 successful ART installations worldwide, 250+ million good lenses produced.

\*Life Cycle Assessment by RDC environment. Derived from a simplified LCA (not ISO-compliant). The development of a peer-reviewed ISO-compliant LCA study is planned.

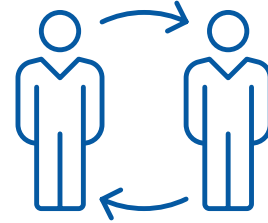
IT'S TIME TO MAKE THE MOVE TO ART

**satisloh**<sup>®</sup>

# ALLOY TO ART AN EASY TRANSITION IN STEPS

## CONSULT 01

The Satisloh team analyzes your production line and proposes the easiest and most efficient transition to ART.



## 02 SET-UP

We set-up your LMS (Lab Management System) for parallel alloy and ART production.

## TEST 03

We install your first ART test line while your alloy production continues so that throughput never drops.



## 04 VERIFY

Ongoing evaluation of results from the ART test line.



## TRANSITION 05

Line-by-line we help transition to ART at your desired pace.



ONCE ALL LINES ARE CONVERTED,  
YOU WILL REAP THE FULL BENEFITS OF ART!

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