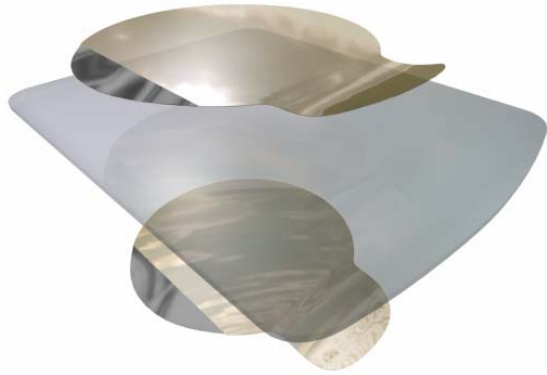


Application Study

PLACEMENT OF ESD LAMINATES ONTO POLYCARBONATE LENS



TASK

Place two different ESD Laminates on either side of a Polycarbonate Lens, using the same machine.

CHALLENGES

- ESD Laminates must be bubble-free on clear Polycarbonate Lens.
- Changeover time between parts must be minimal to achieve throughput requirements.
- Sensing areas of the two components are in different locations, but sensor to position part cannot be adjusted.
- Placements have to be perfectly symmetrical to each other.

SOLUTION

- Model 3065
- Custom layered bubble-free chuck
- Customized nest
- Benchtop configuration for semi-automatic operation
- Rewind reel
- 2 reflective position sensors

FEATURES & BENEFITS

- AccuPlace's peeling technology allows for consistent peeling of the components and for bubble-free placement.
- 2 Optic Reflective Sensors were used simultaneously to determine proper orientation; each calibrated to the specific part being used. Using this configuration, no sensor adjustments were needed during changeover of parts.
- Customized chuck and nest design allowed for quick changeover time between parts; increasing overall throughput
- The customized layered chuck allowed the ESD laminate to be placed bubble-free on the lens better than the customer requirement.
- The bench top platform consisting of a base with feet, built-in power supply, and 2-hand control provides a simple cost-effective solution that captures the quality benefits of automation.

