

Process optimization resulting in reduced cost and increased reliability

Customer Challenge

Pre-treatment is often manual and is organic-solvent-based primer-dependent

- Small process window due to long waiting-time and limited open-time
→ high proportion of waste
- High process variability
- Substantial Environmental, Health and Safety concerns

Solution

Grafting of a silane nanolayer onto the glass with a solvent-free, automated Molecular Grip solution removes all these challenges

- Immediate in-line inspection
- Fully SPC controlled process

Results

- ✓ Fully automated process → controlled variability
- ✓ Elimination of open time constraints (increased to months)
→ optimized supply chain and cost reduction
- ✓ No waiting time between operational processes
- ✓ Vastly reduced EHS concerns