

GEROLD

Automotive Glass



Automotive Glass

pre-process &
post-process equipment

Pre-process Equipment

screen printing machines &
glass handling equipment
for process integration



GEROLD screen printing machines are engineered exclusively for the demanding automotive glass industry. In sync with 24/7-operation, GEROLD-printing machines are distinguished in their exceptional reliability and reproducibility, user-friendliness as well as extraordinary service life. The machines feature low cycle rates, as they were particularly designed for the integration in multi-station printing and drying lines.

Inspection stations for convenient inspection off the line permit quality control at random or fix intervals.

Logo printing equipment is available for trademark print. Designs cover both stand-alone and in-line systems.

Pre-process handling equipment at a glance:

- Manual or automated loading systems
- Belt and roller conveyors
- Transfers and rotating stations
- Flipping stations
- Shuttle systems
- Accumulators
- Alignment stations
- Manual or automated unloading systems
- Pairing of laminated glass parts
- Automated furnace loading systems

Emphasis is put on the design and realization of complete turn-key automotive glass processing systems. GEROLD supplies multi-station screen printing lines with the required handling equipment & automation.

Integration of ancillary equipment such as robots, flat glass washers, IR-drying / UV-curing installations, and powder applicators is also realized by GEROLD.

The processing lines are custom-built to individual needs. Optimized line configurations aim at maximum yield and flexibility.



Post-process Equipment

lay-up & assembly equipment;
glass handling & automation



Laminated automotive safety glass represents a key market with significant growth perspectives. Increased part complexity and value-add products have major implication on the traditional production process. New equipment technology is required to achieve economies of scale while ensuring that products adhere to highest quality standards.

GEROLD's lay-up & assembly system (patent pending) is an equipment configuration that accomplishes fully automated and operator-independent interlayer lay-up & assembly of laminated glass parts.

The system is exclusively engineered for automotive glass production and available as pre-cut or post-cut configuration. Individual product requirements and customer preferences determine which of the two respective configurations is most beneficial.

The automated lay-up & assembly system incorporates progressed reliability and performance having translated past achievements into meeting future requirements.

Key equipment benefits are gaining perfect control of the assembly process while boosting productivity and efficiency with value-add laminated glass parts. The equipment is available for different glass parts, part sizes, and cycle times. It is capable of handling stretched interlayer, with or without shade band, and interlayer with defrosting wires. The system works equally well with single-, bi-, and tri-layer material.

Alternatively, GEROLD supplies semi-automatic or manual lay-up and assembly systems. With these systems labor substitutes certain levels of automation, if desired.

In the area of post-processing GEROLD supplies e.g. furnace unloading systems, flipping and separating stations in front of the assembly room.

Farther downstream, GEROLD realizes automation solutions for value-add-processes and applications.

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- Photovoltaics
- Automotive Glass
- Automation



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