



■ Photovoltaics



Photovoltaics

system integration &
PV-module production

Frontend-Automation

custom-built concepts &
system integration

In recent years, GEROLD has successfully translated know-how and experience from its automotive glass business into equipment particularly addressing the needs of the growing photovoltaic industry.

Hence, GEROLD supplies handling equipment and custom-built frontend-automation for thin-film technology based photovoltaic glass panel production.

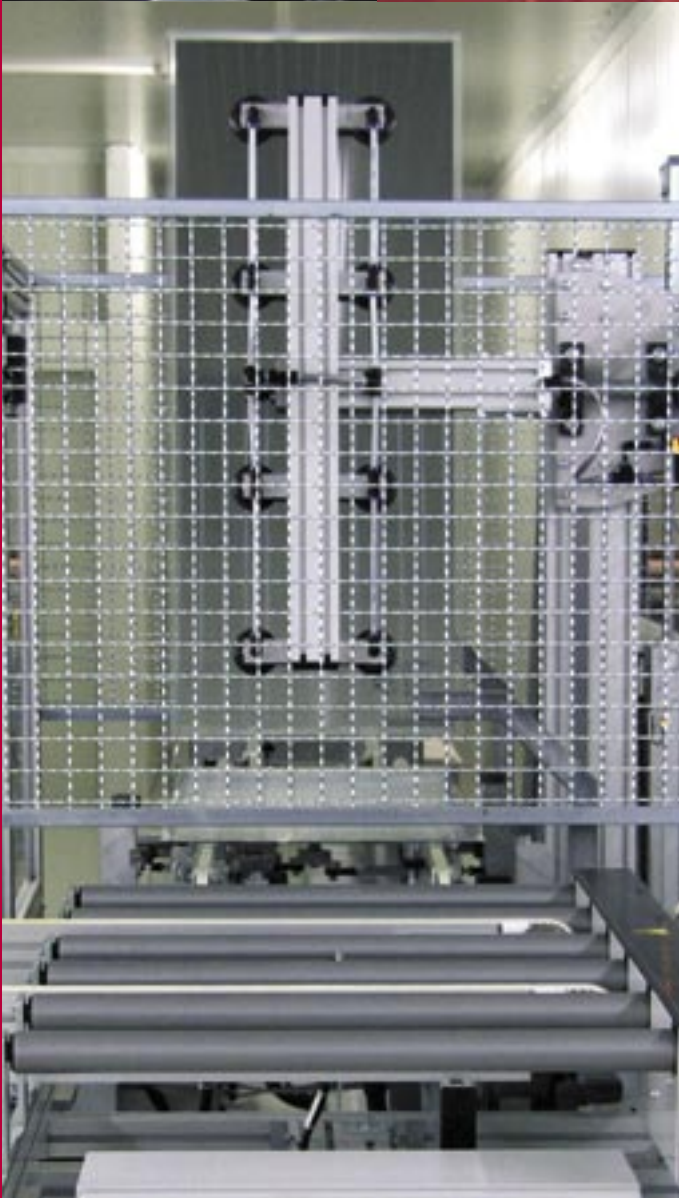
- Factory automation incl. process equipment handshaking
- Manual or automated (un-)loading systems (e.g. trolleys/carts, pallets, racks)
- Clean room suitable belt and roller conveyors, transfers, rotating stations and alignment stations
- Process equipment (un-)loading devices; i.e. mechanical and electrical handshakes with coaters, sputters, wet-chemistry, furnaces
- Robotics engineering and integration
- Buffers and dynamic accumulators for smooth process flow
- Sequence software and production flow visualization

A high degree of individual customer orientation and properly addressing production process particulars are key with project realization.



Backend-Automation

PV-module production equipment & automated value-add applications



GEROLD has adopted its system integrator approach as to supplying integrated production lines for photovoltaic-module assembly and finishing.

Backend-automation is engineered to specific needs, whereas GEROLD targets the thin-film and crystalline photovoltaic-module market segments on equal terms.

- Backend automation incl. process equipment handshaking
- Clean room suitable belt and roller conveyors, transfers, rotating stations and alignment stations
- Edge-deletion process automation
- Inspection and measurement systems for quality control
- Photovoltaic-module assembly systems
- Automated trimming cells
- Framing stations
- Contacting equipment
- Workstations for junction box attachment
- Flash testing, labeling, and palletizing
- Robotics engineering and integration
- Buffers and accumulators
- Sequence software and production flow visualization

GEROLD puts emphasis on providing sound and individual expert advice. This is to pave the way for a successful project outcome, starting as early as with conceptualization.

GEROLD

■ Photovoltaics

■ Automotive Glass

■ Automation



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