

Process Application Lines for:

- Mirrors
- Acid etched glass
- Fire resistant glass



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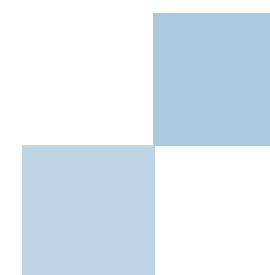
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GLASS PROCESSING IS OUR PASSION
PROCESS APPLICATION LINES



Mirror Coating Lines

Be it mirrors for CSP or indoor applications, PLF or DLF, one-fold or even three-fold backside coating, electric or gas furnaces, Benteler is able to supply turn-key solutions. Long-term experiences in mechanical engineering in combination with process know-how result in state of the art mirror coating lines.

Scope of supply:

- Engineering consulting
- Process know-how
- Glass handling (loading, unloading, turning over, rotating ...)
- Glass cleaning
- Chemical section
- Electric or gas furnaces
- Glass cutting and breaking
- Glass inspection
- Utilities

Advantages:

- Entire line out of one hand
- Long term experience in almost all types of glass handling and cleaning, furnaces and fluid applications
- World wide assembly and commissioning teams
- Engineering performance also for the main building requirements

Technical Data:

- Glass width: up to 3.300 mm
- Glass length: up to 6.000 mm
- Line speed up to 11 m/min
- Yield up to 98%



Production lines for acid etched glass

No matter whether etched glass for windows, partitions, shower doors or other applications, Benteler supplies complete lines for high quality acid etching of glass. The design of Benteler etching lines is based on detailed know-how in glass processing and process application.

Scope of supply:

- Glass handling
- Glass cleaning
- Various acid application processes
- Glass inspection

Advantages:

- Entire line out of one hand
- Clear interfaces and fast ramp up of the line
- World wide experienced assembly and commissioning teams
- Engineering competence also for the main building requirements



Technical Data:

- Glass width: up to 3.300 mm
- Glass length: up to 6.000 mm

Production lines for fire resistant glass

Statutory requirements place high demands on fire resistant glass, which results in tough requirements for the production process. Benteler delivers reliable and advanced production equipment for this complex process. Benteler's design, quality and precision is based on more than 50 years of experience in glass processing.

Scope of supply:

- Glass handling with various technologies
- Glass cleaning
- Preparation for FR coating
- Coating drying and transport
- Cutting

Advantages:

- Long experience in glass processing in various transformed glass processes
- Long term experience in line optimization



Technical Data:

- Glass width: up to 3.210 mm
- Glass length: up to 2.330 mm