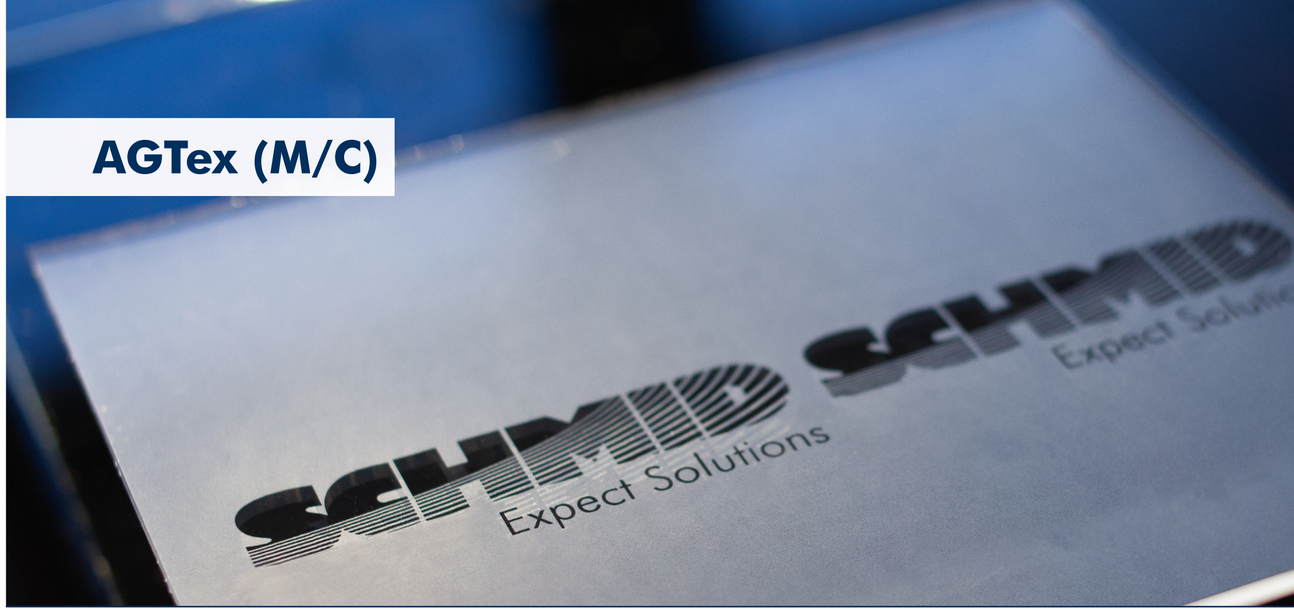
AGTex (M/C)

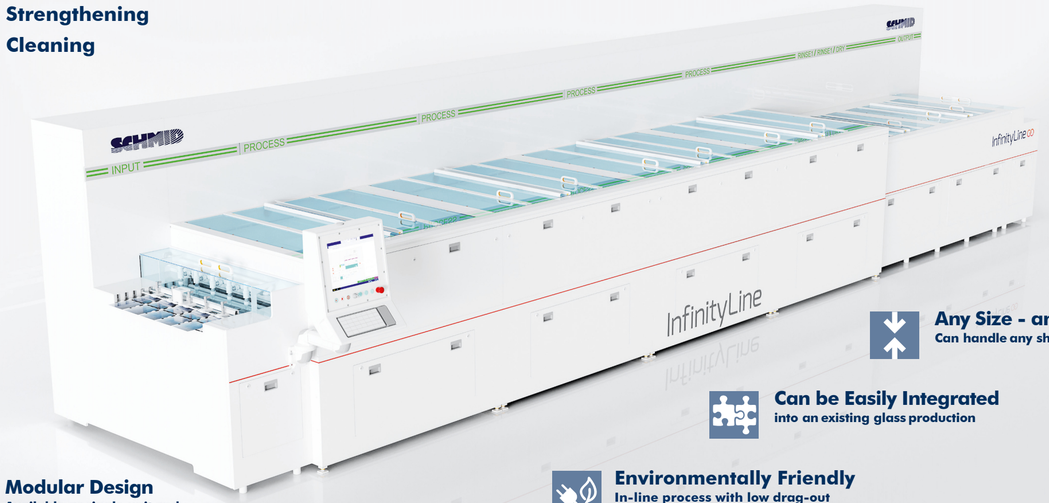


Surface Finishing for Glass

The AGTex offers innovative methods for processing and finishing glass surfaces. The Technology is particularly suitable for the production of antireflection and antiglare coatings on glass. Depending on your requirements, the surface is chemically treated in a simple inline wet process.

Surface Finishing for Glass

- **Etching**
- **Strengthening**
- **Cleaning**



Any Size - any Shape
Can handle any shape flat glass

Can be Easily Integrated
into an existing glass production

Environmentally Friendly
In-line process with low drag-out and water consumption

Modular Design
Available as single unit and in-line with etching

Single or Dual Side Processing without masking

Variable Haze and Gloss
No sparkling

AGTEX (M/C)

Applications

There are different methods available for the antireflective treatment of glass. SCHMID has developed a technique of suppressing reflection on glossy surfaces.

Using chemical and mechanical processes, the surface is matted in a continuous production processes. In this process, the degree of matting can be very finely controlled. Depending on the properties of the glass substrate and the application, a large number of different products can be produced on one machine.

The cost of the process is a fraction of the cost of conventional processes. The process is extremely efficient and can be applied to all types of glass from the decorative or architectural sector to tempered technical glass. It can be used on one side or on both sides and also offers the possibility to exclude areas of processing for optical effects or technical requirements with a preceding masking step.

Examples include display glass such as shop windows or refrigerator doors in the consumer area, information displays in public transport and medical applications as well as mobile phones. Compared to glass treated with vapor deposited antireflection coatings, the SCHMID AGTex process of direct imprinting into the glass surface makes it considerably more resistant to mechanical stress caused by cleaning or contact.

Technical Data

Throughput:
- Up to 1.5 m^2/min
- Up to 749.000 m^2/a

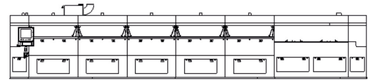
Substrate size:
- Min 50 x 100 mm
- Max 1600 x 1200 mm
- Thickness 0.1 - 12 mm

Specifications:
- Gloss [GU]
  150 – 5
- Haze [%]
  2 – 65

Size:
- L= 7800 mm
- W= 2000 mm
- H= 2100 mm

Benefits

- Creates surfaces with variable gloss value (transparent to matt)
- Water-based inline process
- Easy to integrate into existing glass processing line
- Modular design from the module line generation InfinityLine



Input Spraying Spraying Spraying Spraying Spraying Rinse/drying Ouput