

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

NEW



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



**Variable Haze
and Gloss**
No sparkling



**Single or Dual Side
Processing** without masking



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



Can be Easily Integrated
into an existing glass production



Any Size - any Shape
Can handle any shape flat glass

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 m²/min
- Up to 749.000 m²/a

Substrate size:

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

Specifications:

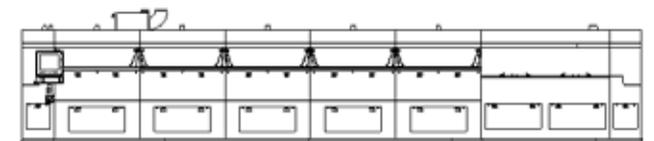
- Gloss [GU]
150 – 5
- Haze [%]
2 – 65

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 Output



We are SCHMID

You probably encounter SCHMID Group every day – either through electronics, solar modules or modern energy storage systems. SCHMID commands processes which are needed in the most different industrial sectors and builds machines and automation systems perfectly tailored to the requirements.

The group of companies with its headquarters in Freudenstadt (Germany) employs more than 1,000 people worldwide. Manufacturing sites in Germany, China, Turkey and USA as well as worldwide sales and service locations ensure our local presence. New processes and equipment are developed in our three global Technology Centers.

We are active in the Electronics, Photovoltaics, Automation and Energy Systems markets, where we are seen as a technology leader.

Electronics

For over 50 years SCHMID has been the innovative partner for the electronics industry. The system and process solutions for the manufacturing of printed circuit boards, displays and other electrical components ensure low production costs and increase the efficiency of the final products. SCHMID uses the extensive wet process and automation competence for metal processing such as anodizing and chemical milling.

Company data

Headquarters: Freudenstadt (Germany)

Production locations: in Germany, China, Turkey and the USA with a total production surface of 70,000 m²

Overall performance 2015: over 140 mio. €

Year of foundation: 1864

