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Year founded	1985
Export Rate	85%
Associations	VDMA

## CONTACT PERSONS

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## PRODUCTS OR MACHINERY

### LA Automotive - Auto Glass Applicator

The Grafotec LA Automotive - System is an unique, contact-free, mechanical working roller application system, which impresses through its simple technology. Due to its nearly maintenance free and extremely service-friendly design, it is particularly well suited for a continuous operation such as for the production of wind-shields.

The system especially distinguishes through its even and homogeneous application. The liquid amount could be easy controlled by the remote operated adjustment drive.

The highspeed application roller (up to 6000 rpm) produces a very fine mist directed towards the front. The amount of mist leaving the housing is controlled by the remote adjustable shutter gap.

The electrical driven shutter (opening and closing) allows to apply the liquid on individual sheets, without losing much of the liquid.

The PLC controller is well proven and allows quick adaptation to various production needs.

#### **LA C-Protection Liquid Applicator**

The Grafotec LA C-Protection - System is an unique mechanical Liquid Applicator system using a basically simple technology. Due to its nearly maintenance free and extremely service-friendly design, it is particularly well suited for a continuous operation such as for the production of flat glass in a floatline. By using a DraftControl enclosure and a Reverse Osmosis water treatment system you have a totally complete and clean operation. This at the same time solves all possible environmental control questions, a subject of greatly increasing importance. The high speed application roller (up to 6000 rpm) produces a very fine mist directed towards the front. The amount of mist leaving the housing is controlled by the electronically adjustable shutter gap.

By using an automatic curtain width control and by the possibility of varying the saturation level of the liquid sprayed, you have the choice of applying an extremely wide range of liquids with excellent results.

The state of the art PLC controller is well proven and allows quick adaptation to various production needs.

By using one straight applicator bar, the unit can cover a spray width of up to 4200mm. Automatically driven edge deflectors limit the spray curtain to the width and position of the glass ribbon. Strategically located sensors lets the spray curtain follow the ribbon drift and watch over the beginning / end of a ribbon as well as over broken ribbons.

Whenever the available city water may not have the required consistency, we recommend the use of our ReverseOsmosis system. This system, as well as the MixingStation, let the system run almost fully automatically.

## **COMPANY BACKGROUND / HISTORY**

Grafotec has been an active supplier of machinery in the float glass industry since 1983, starting with the development of roller-type powder application systems, which apply interleaving powder through gravity on to flat glass. Grafotec has supplied all of the major float glass manufacturers worldwide with these robust machines, giving a good reputation in the industry. Due to the need of the float glass manufacturers, Grafotec has expanded the product range in 1995 with a new product – the Liquid Applicator – designed for the protection of the float glass against corrosion during transport and storage. This Liquid Applicator applies an anti-corrosion liquid onto the airside of the glass, which prevents from staining, irisation or corrosion. The LA C-Protection has proven its quality in more than 30 installations all around the world and it followed Grafotec's company idea to build machines, which are known to be of high quality and robustness.

In 2016 Grafotec started to deliver the LA Automotive, facilitating the „gravity bending“ of the automotive glass industry with a new product – “AGA 1000” – that can apply liquid (suspended) interleaving material (consisting of calcium carbonate) between the windshield-pairs in order to prevent glass slipping and to improve the optical quality of the windshield immensely. This will especially facilitate the realisation of the more complicated windshields with difficult bending geometry and higher optical requirements. For more information visit our website at: <https://www.grafotec.com/laa.html>

Furthermore, Grafotec is well known for their nozzle-type powder application systems, APS & APT - Single and Twin application systems. The highly motivated Grafotec team hopes to be of assistance to all float and automotive glass manufacturers in coping their daily problems and improving their glass quality.