

A photograph of an industrial robotic spray application system. A yellow robotic arm is positioned over a large, flat, metallic surface. The arm's end effector is a spray gun with a white nozzle. To the left, another mechanical assembly with a red cylindrical component is visible. In the foreground, a grid of small, dark, cylindrical components is arranged in rows.

BLS SPRAY-APPLICATION

The automated solution for research,
development and QC

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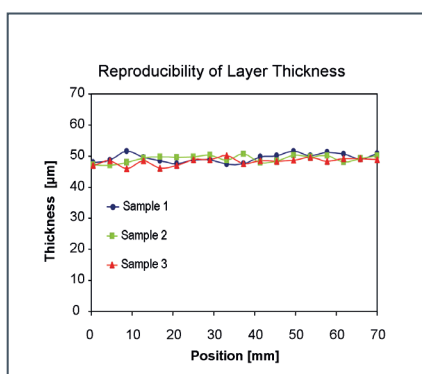
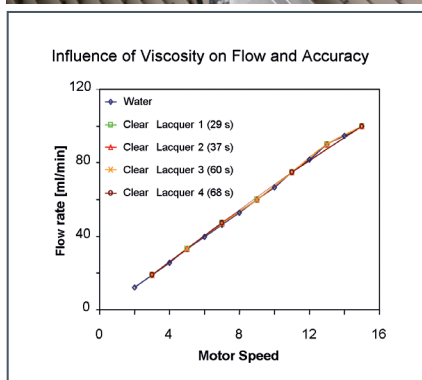
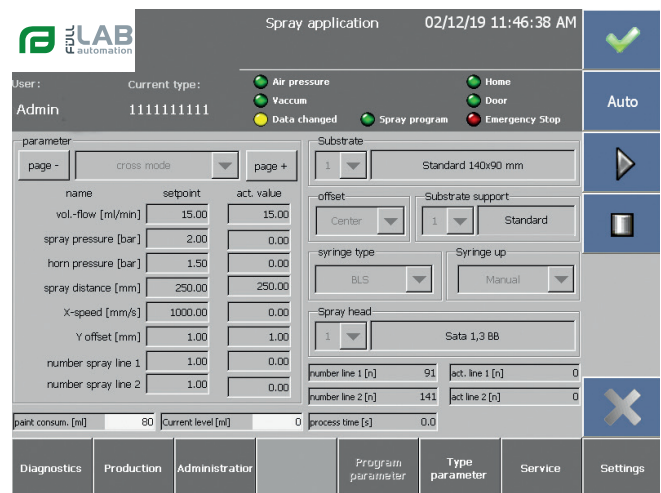
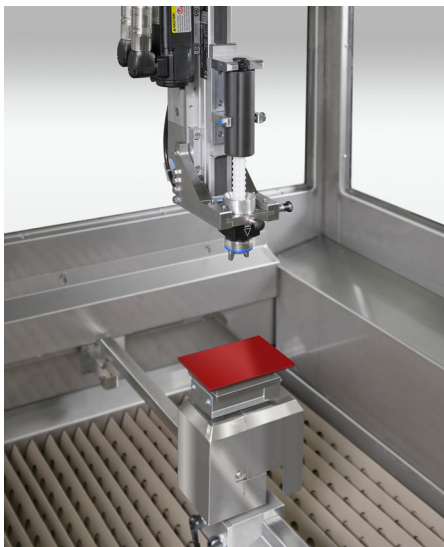
Your Benefits

- ▶ Automated application of solvent and/or water based paints and coatings
- ▶ Reliable and repeatable application, independent from the operator
- ▶ Use of conventional spray heads in combination with disposable BLS-syringes
- ▶ Change of coating material within seconds, without the need for cleaning
- ▶ Full software control of all spray- and coating-parameters
- ▶ Make test panels by a simple “press-button” operation
- ▶ Unlimited number of spray-parameter sets when connected to your network storage
- ▶ Stand alone unit with closed housing, inlet-air and exhaust connection

The BLS spray-application is particularly suitable for quality control, where reliable and repeatable application, independent from the operator, is key to success.

It is also ideal for research and development and ensures perfect coating results, by automatically controlling all parameters, and the coating process itself.

High reproducibility from one spray application to the other allows comparability among your different production sites.





The BLS Spray-Application is based

on the BLS-syringe, which makes formulation development much simpler thanks to its unique characteristics.

- ▶ Easy handling and filling
- ▶ Disposable, no cleaning required
- ▶ One container for preparation of formulations and raw material storage
- ▶ Application directly from the formulation container



The BLS Spray-Application ensures perfect coating results without the need for cleaning when changing coating materials. It helps speeding up your paint development and quality control.

- ▶ Coating results independent from the operator
- ▶ Spraying of up to 400 test panels per day
- ▶ Preparing homogeneous coatings with small amounts ($\geq 5\text{ml}$) of paint
- ▶ Perfect solution for 1K and 2K coating systems
- ▶ One container (BLS-cylinder) for sample preparation and the whole application process
- ▶ Different system configurations available, e.g. for horizontal or vertical spraying
- ▶ Fully automated version with handling units available



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