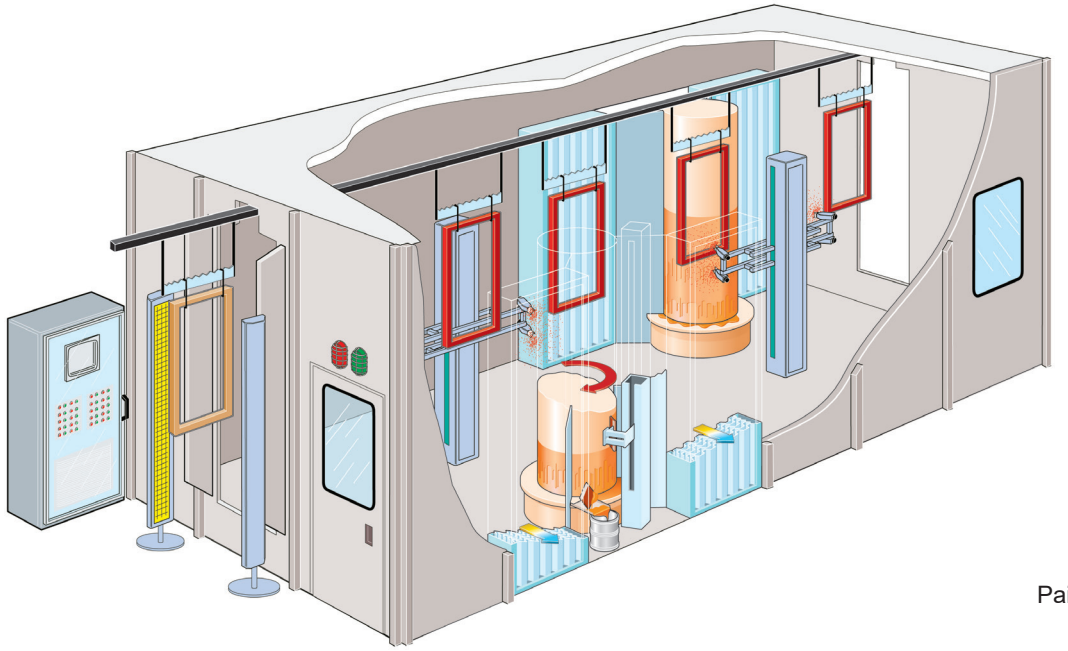
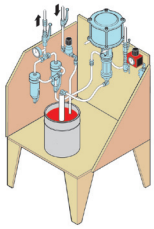
Kontur VI

Automatic window painting installation





Paint supply system

Window frames of different sizes and shapes run through a fine-grid infrared light curtain at the booth entry in »chaotic« sequence. Here the exact profile of the workpieces is registered and transmitted to the control. The computer coordinates the stored signals with the speed of the conveyor and the reciprocators.
When the frames are moved into the spraying area, the guns receive exact spraying commands and spray »wet-on-wet« only where there is actually a workpiece.
The use of electrostatic guns allows to paint the surfaces and edges all over in optimum quality. The selected colour is supplied automatically and may be determined manually or by means of ident data carrier.
All installation parameters can be selected and stored on the colour display of the central control system. The clear text operator prompting instructions provides quick troubleshooting and fault elimination. Interfaces to all known recovery installations safeguard the process.

The man machine interface is an essential part for the easy to use installation. The graphics system of the Kontur VI is developed to simplify the operation and the parameter setting for the operator. Symbol keys for the main functions make the system easy to understand. To reduce the down times in case of faults and problems the alarm database identifies any fault.

The control system features are:
- modular design with window technology
- offers interfaces for further applications

Technical Data

Stationary electrostatic painting installation

Workpiece dimensions:	height:	max.	3200 mm
	depth:	max.	300 mm
Capacity:	approx. 100 parts/h at a conveyor speed of 3 m/min.		
Paint materials:	thick-film scumble, pigmented RAL colours		
Number of colours:	as required		
Space required for booth:	height:	approx.	5100 mm
	width:	min.	3600 mm
	depth:	approx.	3600 mm
Number of spraying systems:	8 (standard); max. 16		
Distance from workpiece upper edge to circular conveyor (hook length):	min. 800 mm		
Distance from workpiece lower edge to booth floor:	min. 1000 mm		
Power supply:	230/400 Volt ± 10 %, 50 Hz		
Air supply:	6 bar, oil and condensate-free		

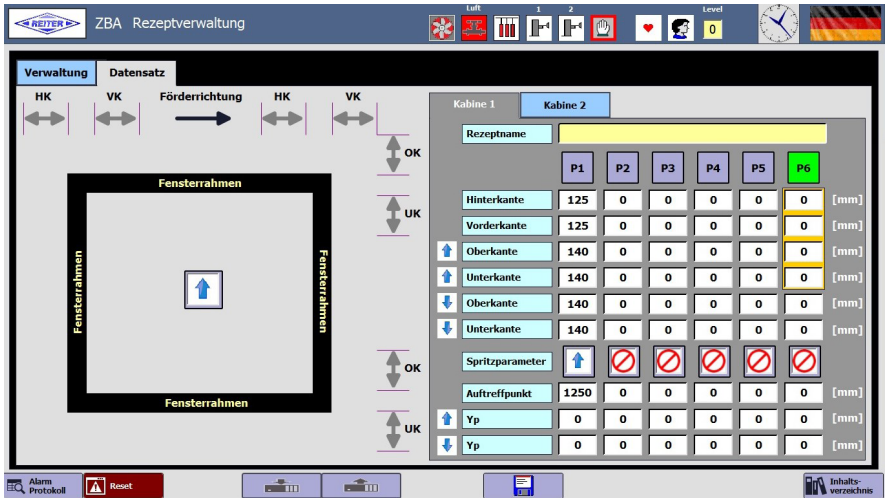
Features

Paint supply designed for
- easy handling
- minimum dirt contamination
- automatic colour change with minimum flushing times and flushing losses as well as maximum availability

Application
- Highest transfer efficiency due to electrostatic system
- Windows coated all over, optimum edge coating
- Designed for paint recovery
- Reliable with long service life
- Reproducible adjustments ensure quality

Control
- Central and easy installation handling
- Optimum adjustment to different types of woods, geometries and tasks possible
- Integrated fault diagnosis with operator prompting instructions
- Standard remote maintenance via VPN

Reciprocator with insulated support and reproducable spraying system holder



Virtual extension and reduction of work pieces.
Individual setting of every spray gun trigger point.

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