

Flow-coating and spraying circuit for wooden windows

The challenge with this system was to place the required workpiece dimensions and coating measures while have very limited space, mainly a limited ceiling height.

In the flow-coating and spraying circuit the parts are transported through the application systems with a Power&Free conveyor and cached for suspension and drying. Due to this flexible technique the system can be operated in an efficient way with low personnel costs. For optimum drip-off after the flow-coating process the parts are automatically put in a diagonal position within the flow-coating circuit.

The impregnation and priming is applied with a flow-coating centre consisting of the system flowcomat P+ for quick change of paint if different glazes are required and the system flowcomat P for impregnation.

The parts are manually taken down for the grinding process and suspended for applying the top coat.

The top coat is automatically applied with a paint robot equipped with online workpiece recognition in a separate spraying circuit.



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Technical specifications

parts dimension:

max. length: 4,000 mm

max. height: 2,300 mm

capacit:

approx. 50 windows in 8 hours