



Automatic scanning and robotized painting of cabinet doors and similar



INROPA™ CABINETPAINTER

Inropa™ CabinetPainter automatically programs the robot by 3D-scanning parts. Inropa™ CabinetPainter ensures high surface quality and increases throughput by securing a constant and optimized paint line flow.



Optimized flow,
higher throughput



Faster, easier robot
paint programming



Consistent surface
quality = great reputation



CabinetPainter creates the robot programs automatically.

AUTOMATIC PROGRAMMING

Inropa™ CabinetPainter utilizes the Inropa™ LaserScanner.

The operator mounts the parts on the conveyor and sends them through the paint line. Inropa™ CabinetPainter then

scans the parts and programs the robots on the fly. This means no human robot programming is necessary.

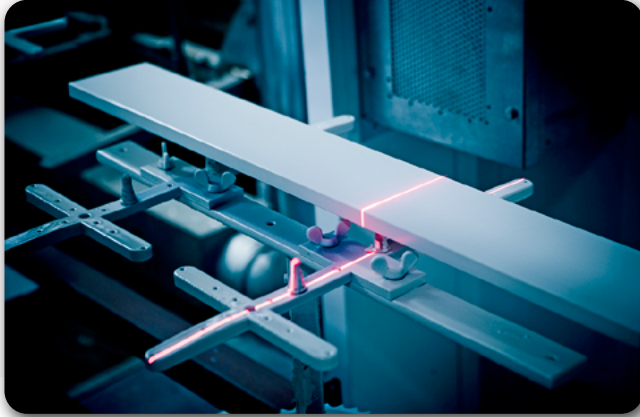
The Inropa™ LaserScanner system operates in 3D, which means that the position and orientation of each individual part are taken into account.

Different dimensions of parts can also be handled to achieve optimal surface quality and minimal paint consumption. Furthermore it is possible to specify different colours and coverage for the individual parts.

Furthermore, you can adjust the general settings of all painting parameters for specific paint and quality re-

quirements, such as angles, conveyor speed, and paint pressure. Because each part is programmed on the fly based on the system parameters,

Inropa™ CabinetPainter is ideal for painting lot size one products with low complexity.



The operator hangs the parts on the conveyor, and the parts are then sent through the paint line, where a laser scanner scans them. Based on these scans, the Automatic Programmer generates the programs automatically.

HIGH SURFACE QUALITY

The 3D-scanner is parameter-based, which means that painting speed and angles remain the same for a given surface. As the risk of manual errors is eliminated, the system ensures a consistently high surface quality, which ultimately contributes to a higher market value of the products.

INCREASED PRODUCTION CAPACITY

The parts are painted while moving on the conveyor in a constant flow. The system ensures a smooth flow in the paint line, and it enables efficient integration with upstream and downstream production to create synergies. Just-in-time production is strongly supported.

The conveyor speed is automatically adjusted depending on the complexity and size of the part. The system

automatically optimizes the capacity of the paint line, ensuring minimal waiting time.

REDUCED PRODUCTION COSTS

Because of the consistently high surface quality, the Inropa™ CabinetPainter system will, in most cases, reduce paint material costs and the need for repainting. Using robots will also reduce ventilation and heating costs by recirculating the air in the spray cabin.

Personnel for painting and moving parts will most often be reduced significantly, since the parts are painted by robots and transferred automatically to the drying area.

In addition, the system can be combined with automatic color change equipment to enable fast color changes with minimal paint waste.