

visΩ**max**

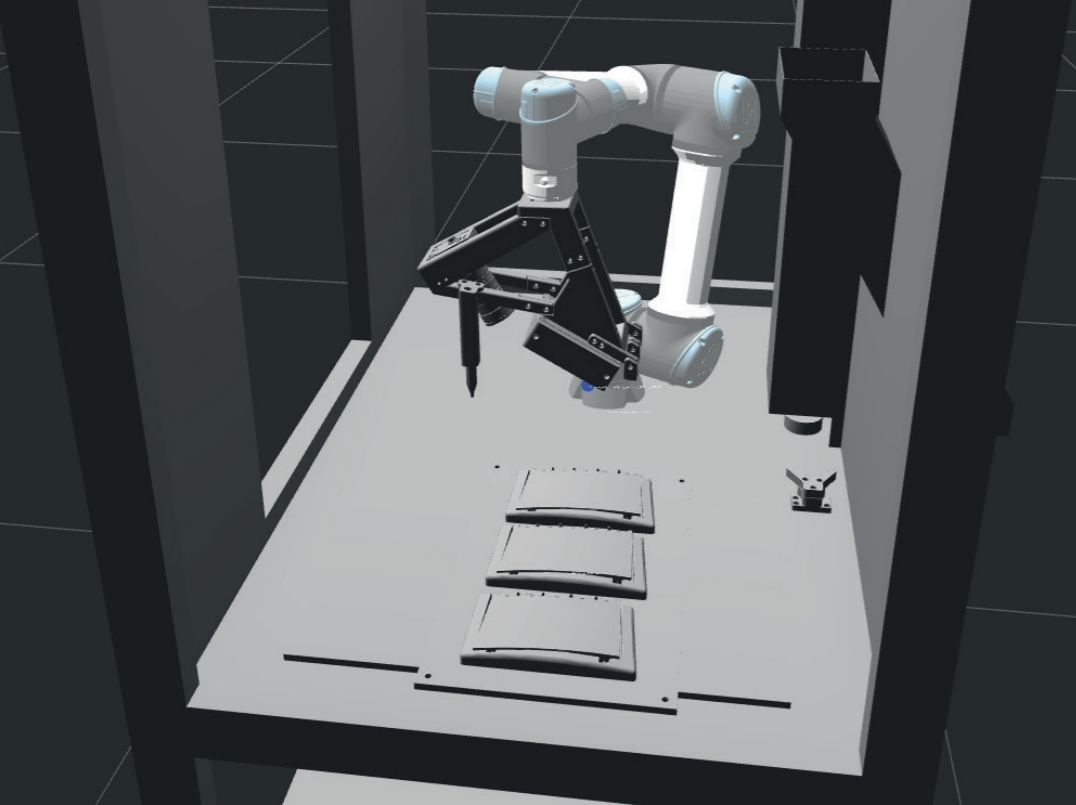
visΩ**max**

for the perfect finish

Visomax Coating GmbH
Dachdeckerstr. 2-4
97297 Waldbüttelbrunn

**VISOBOT UNIT
INSPECTION**
AUTOMATED SURFACE
INSPECTION OF
FREE-FORM SURFACES





MAIN APPLICATION

Our innovative system offers not only accurate surface inspection but also effective troubleshooting. A marking pen is attached to our system holder, which marks the detected defects on the painted surface. In addition, the system can be supplemented with a flower grinder to grind off defects directly.

The main application of the system is the automated surface inspection of painted parts, components or freeform surfaces of any kind, both in preparation and in post-processing. The majority of relevant defects are dust inclusions, scratches and paint contamination. One of the key points of the innovation is the combination of defect detection with a line scan camera and stripe projector by contour-accurate scanning of free-form surfaces and subsequent marking or direct sanding of the positions with the same robot.

The new system saves time, space, components (robots) and therefore costs. As image processing takes place directly on the controller, no additional external computing power is required for error detection and coordinate determination. This contributes significantly to the compactness of the system.

SURFACE INSPECTION



Discover our innovative technology for accurately capturing and analysing freeform surfaces. Our system combines a state of the art line scan camera with special technology lighting mounted on a 6-axis robot.

Thanks to our specially designed system mount, we can ensure that the camera and lighting unit are perfectly aligned. This ensures optimum detection of the surface structure. The movement of the 6-axis robot is precisely programmed to maintain a constant distance between the components and the surface.

