

Quality assurance – made easy



State of the Art

- Sorting of concrete products before packaging
- Remove any defective product by hand or with lifting support
- Selection of a concrete product of the same type and color
- Replace it in the same position



Work Area

- Reduce physical strain
- Fully automatic selection of a substitute product according to shape and color
- Grab at the center of the concrete product
- Exact positioning of the concrete product

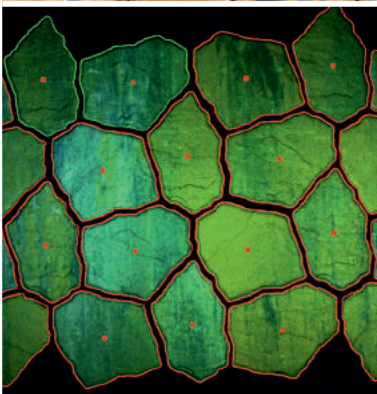
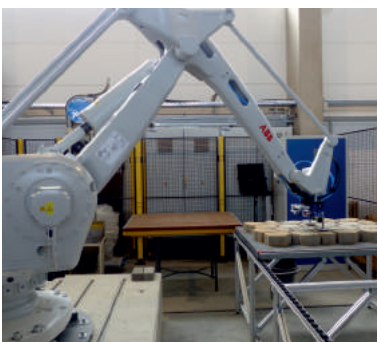


Image Processing

- Determination for contour detection with customized lighting
- Preprocessing and filtering the data
- Center point determination by contour reference
- Calculation of texture and color characteristics
- Matching with stock database
- Transmission of position coordinates to robots



Automatic Sorting

- Robot takeover serious physical activities
 - Remove the defective product
 - Replace product in exact area of the defective product
- Fully automatic matching replacement found and replaced

Supported by:



on the basis of a decision
by the German Bundestag



Project management:
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