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 of 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:

Project management: EuroNorm GmbH

IAB Weimar gGmbH
Über der Nonnenwiese 1
99428 Weimar
GERMANY

Dipl.-Ing. Markus Walter
Head of Division Measurement and automation technology

+49.3643.8684-122
+49.3643.8684-113
m.walter@iab-weimar.de
www.iab-weimar.de