CURRENT PROBLEMS

Identifying the Bulk Parts
Mistakes during Assembling
Wrong Parts in finished Product
CURRENT ALTERNATIVES

ProGloves

Bulk Parts cannot be tracked

Pick-To-Light Devices

Many alternatives to choose from leads to wrong decisions
OUR SOLUTION

Sorting of Bulk Parts

Intelligent Bulk Parts Dispenser
Worker receives at each assembling step the right bulk part.
(+ validation with camera)

Instructing where to Assemble

Projection on to Assembly
Project the location of where the bulk part should be mounted

Quality Check

Image Recognition
Detect if the piece was mounted at the right location
WORKING PROCESS

New task
Task extracted from BOM:
Worker needs to assemble a new part

Dispense parts
Worker is given exactly the needed parts

Beamer guide
3D projection on car guides worker to point of assembly

Worker builds in part
Can request spare parts through wearable if necessary

Visual Confirmation
Camera confirms correct assembly and lights up new part

Worker wearable input
Worker can confirm assembly in case of camera fail
BENEFITS

Easy to Implement
Low Cost
Facilitates assembling process
Reduces Errors with Immediate Feedback
Digital Documentation
OUR TEAM

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