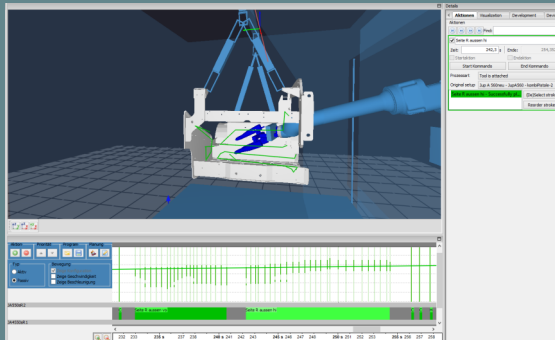




C O N V E R G E N T I N F O R M A T I O N T E C H N O L O G I E S

AutomAPPPS

Software-Tool for automated programming of robots and processes.



Semi-automated OLP of powder-coating application—with line-tracking—using AutomAPPPS.



Powder-coating (line-tracking) programmed using AutomAPPPS.
Courtesy of :Jungheinrich Moosburg AG & Co. KG

Advantages:

Minimized efforts and costs

Fully or partly automated programming of applications

Reduced test-runs

- Automated optimization of the process
- Prediction of achieved process quality

Cost efficient line tracking

- No additional hardware required
- Automatic consideration of motion

Adaptive production lines

- Faster adaptation to new products
- Automatic, accelerated programming

Reduction of cycle-time

- Coordinates robots with same workspace
- Automatic optimization

Simple use

- Also for Non-Experts
- Process knowledge embedded in SW-tool



100% inspection of reflective surfaces - programmed with AutomAPPPS (Courtesy of ATENSOR Engineering and Technology Systems GmbH)

Approach:

1. Automation of process planning
2. Embedded process simulation as criterion for optimization
3. Formalized process knowledge
4. Automated collision avoidance
5. Automated code generation

Supported processes (01/16)

1. Painting, Powder-coating
 2. Cleaning
 3. Polishing/grinding
 4. Inspection
 5. Measuring
 6. Marking
- ... other processes on request

System requirements:

1. CAD of work-piece (JT,STEP,IGES,STL)
2. CAD Data of work-cell
3. PC with operating system: Microsoft Windows (7,8,10) or Linux

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