



3D SURFACE PROCESSES

FASTSURF is a complete application for cell planning, offline programming, simulation and analysis of geometry-based surface processes like painting, sandblasting, shot-peening and cleaning.

► PRODUCT FEATURES

- Robot cell layout and design
- Comprehensive robot library for easy to handle planning
- Robot specific reachability check for all painting positions
- Robot motions based on CAD geometry: normal to surface using guide plane, normal to surface using guide contour, along a given contour, standard DELMIA motions
- Various modification options: Manual modification, point interpolation, rail interpolation
- Collision detection between robot, paint gun, part and auxiliary devices
- Synchronization of robots and other cell components
- Translation to robot language
- Film build verification with query option at any point

- Multiple brush definition with technological attributes
- Color-codes view showing film thickness
- Report: total amount of sprayed volume, amount of applied volume

► BENEFITS

- Continuous process chain from modelling to offline programming using native V5 data
- Time saving in cell design
- Obsolete manual teaching of robots
- Fast and safe programming of smooth and collision free robot motions

► KEY INDUSTRIES

- Automotive
- Aerospace

► KEY PROCESSES

- Painting
- Polishing
- Coating
- Sand blasting
- Surface cleaning or any other surface based processes

fast[®]SURF
ROBOTICS



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