



## 3D CONTOURS

**DELMIA V5 Offline Programming: FASTCURVE contains all essential CAD/CAM and simulation components to allow various processes to machine 3D contours.**

### ► PRODUCT FEATURES

- CAD functions and automatic clean-up for any type of geometry
- 3D solid and surface based modeling
- Powerful sketcher function to create 2D contours
- Automatic elimination of gaps and overlaps
- Automatic approximation to optimized circles and spline entities, independent of the input geometry
- Automatic creation of stanchions, base plates, tabs and inter-lockings according to predefined standards
- Automatic labeling, weight relief patterns and pinhole support
- Automatic unfolding and nesting of base plate and stanchions into a given sheet size and automatic programming
- Full associativity between fixture and nested geometry
- Fast and easy alignment of the part using various calibration functions
- Powerful algorithms to generate a smooth and collision-free tool path
- Integrated simulation including the robot cell, robot, fixture, clamps, auxiliary devices,...
- Various teach- and optimization functions
- Macro geometry editor for editing holes, rectangles, hexagons, keyholes, ...

### ► BENEFITS

- Continuous process chain from modelling to offline programming using native V5 data
- Time saving through automatic fixture creation

- Time saving through less required prototypes
- Increased robot cell availability through obsolete teaching activities and shifting programming activities to **FASTCURVE**
- Robot simulation and collision-checking before execution
- Flexible adaption to boundary conditions through macro editor
- Continuous process chain through integration in V5

### ► CUSTOMER LIST, EXTRACT

- AIRBUS
- FRIMO
- HYDRO
- PRIMA
- REIS

**fast**<sup>®</sup>CURVE  
ROBOTICS



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