

# CATIA/DELMIA V5 Offline Programming Solution for automated Riveting and Multi-Layer-Drilling

FASTIP provides enhanced functionality to plan, program and validate new part programs for riveting and multi-layer-drill as well as a powerful Upload Module to reverse engineer existing part programs.

## Product features

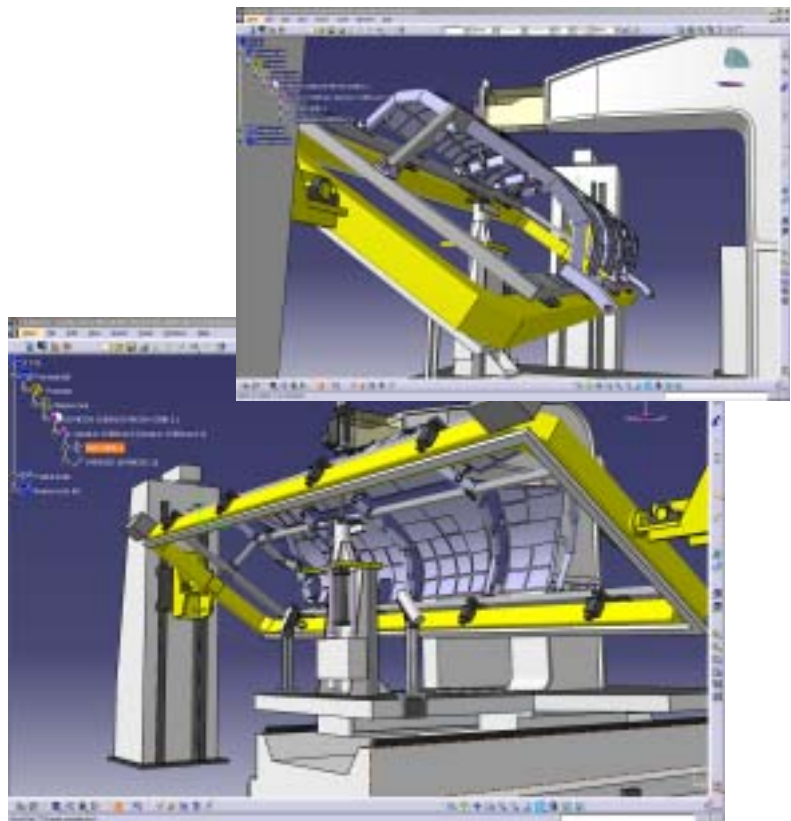
- Support for gantry-style NC machine as well as for industrial robot cells
- Highest degree of automation as well as outstanding part program and process quality
- Standalone offline programming seat or integrated into V5 PPR-Hub
- Dedicated riveting operation to be tailored for specific user interaction needs: definition of process parameters, selection of geometry, definition of approach and retract motions, process related events
- Automatic stack analysis for multi-layer-drilling
- Powerful multi-select geometry selection: rubber band, polygon trap, standard V5 queries
- Integrated machine tool or robot cell simulation
- Upload capabilities: existing programs can be used through reverse engineering
- Huge variety of available machine models

## Benefits

- Closed process through direct access to native V5 data
- Fast and safe offline programming
- Dedicated customization to existing processes
- Automatic detection of drilling or riveting vectors through underlying surface
- Easy to use as integrated V5 integration

## Customer list, extract

- AIRBUS
- BRÖTJE



## GERMANY

### CENIT Stuttgart

Industriestraße 52-54  
D-70565 Stuttgart  
Phone. +49 711 7825-30  
Fax. +49 711 7825-4000  
Mail. [info@cenit.de](mailto:info@cenit.de)  
Web. [www.cenit.de](http://www.cenit.de)

### CENIT Berlin

Pfalzburger Straße 43/44  
D-10717 Berlin  
Phone. +49 30 884580-0  
Fax. +49 30 884580-99

### CENIT Düsseldorf

Max-Planck-Str. 17  
D-40699 Erkrath (Unterfeldhaus)  
Phone. +49 211 530652-0  
Fax. +49 211 530652-99

### CENIT Frankfurt

Lyoner Straße 20  
D-60528 Frankfurt  
Phone. +49 69 668018-0  
Fax. +49 69 668018-8

### CENIT Hamburg

Heidenkampsweg 51  
D-20097 Hamburg  
Phone. +49 40 2533466-0  
Fax. +49 40 2533466-88

### CENIT Hannover

Großer Kolonnenweg 21  
D-30163 Hannover  
Phone. +49 511 54275-0  
Fax. +49 511 54275-88

### CENIT München

Paul-Gerhardt-Allee 50a  
D-81245 München  
Phone. +49 89 829209-0  
Fax. +49 89 829209-99

### CENIT Saarbrücken

Innovationsring 9  
IT Park Saarland G1  
D-66115 Saarbrücken  
Phone. +49 681 76190-0  
Fax. +49 681 76190-99

## SWITZERLAND

### CENIT (Schweiz) AG

Hungerbühlstrasse 22  
CH-8500 Frauenfeld  
Phone. +41 52 7247777  
Fax. +41 52 7247778  
Mail. [info@cenit-ag.ch](mailto:info@cenit-ag.ch)  
Web. [www.cenit.de](http://www.cenit.de)

## USA

### CENIT North America Inc.

1460 Walton Blvd. Suite 221  
Rochester Hills, MI 48309  
USA  
Phone. (248) 609-0103  
Fax. (248) 609-0107  
Mail. [info@us.cenit-group.com](mailto:info@us.cenit-group.com)  
Web. [www.us.cenit-group.com](http://www.us.cenit-group.com)

