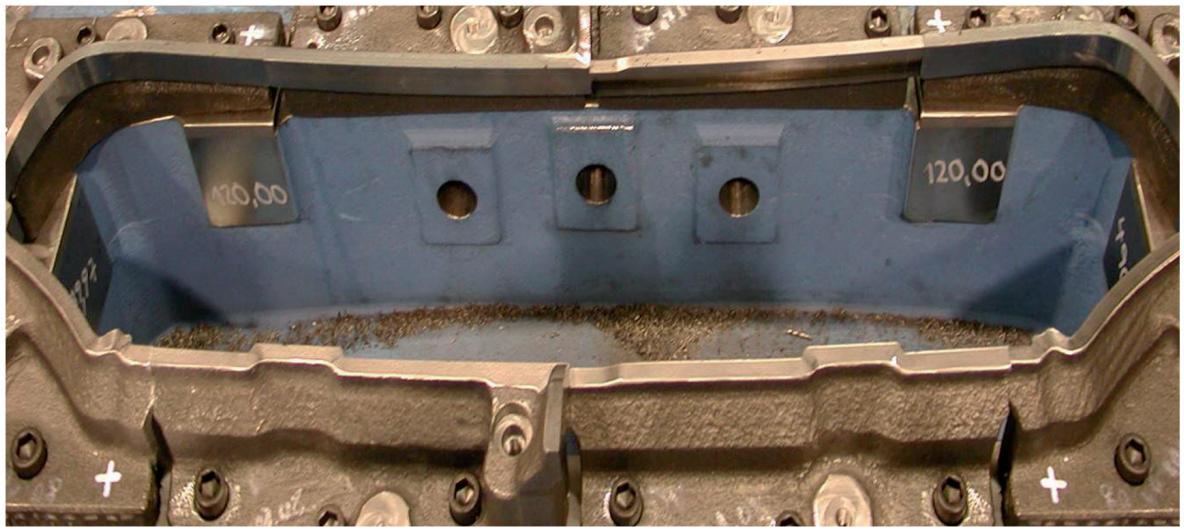

cenit

DIE FORMING AND TRIMMING TOOLS

FASTTRIMSTEEL is a completely integrated CATIA V5 solution to automate the design of trimming and forming tools as being used in the sheet metal and plastics die forming industry. The solution creates the stock material (or casting) and the NC programming surfaces as separate elements to fully support the engineering and manufacturing process. It furthermore will take into account the typical design specifications as known in the tool engineering industry. FASTTRIMSTEEL was developed in close cooperation with iCapp.

▶ PRODUCT FEATURES

- **FAST**TRIMSTEEL generates the base geometry of the trimming or forming tool (cast body or stock material), the NC programming surfaces of the knife head as well as the remaining shape of the tool (mounting foot)
- Trimming contours are defined, including the parameters for tool operation direction and trimming side; i.e. scrap side
- Trimming contours can be open or closed and may be tangent discontinuous
- Default trim steel sections are embedded. These sections can be edited at any time
- Based upon editable 2D sections, a customer specific library of trim and form shapes can be created.
- Oversize dimensions can be set to define the base material
- Trimming process parameters can be set. Typical parameters are cutting intrusion and shear
- Collision checks will ensure the trimming tool does not interfere with the sheet material at unwanted areas
- The computed trim steel can be segmented in smaller (physical) parts. Each segment will inherit the initial parameters that individually can be modified per segment
- To prevent interference between a trim steel and a scrap cutter, a relief can be designed automatically
- A simulation function will visualize the intrusion of the trim steel into the metal sheet
- The design of the mounting foot, mounting side, of the tool is either parameter based or sketch based. The parameter based foot uses predefined shapes
- All created data and features are native CATIA V5

▶ BENEFITS

- **FAST**TRIMSTEEL automates the process for creating complex shapes where standard CATIA V5 functionality is limited or requires multiple manual interactions
- Complete parameterization of the trim and forming steel: all entries can be modified at any time
- Explicit user interface; easy of use
- Time savings for engineering the trimming and forming tools and enabling concurrent engineering through fast response to product changes
- The native CATIA V5 data enables full integration in the overall process of process planning and tool engineering

fast® TRIMSTEEL TOOLING

DASSAULT SYSTEMES Gold Software Partner

www.cenit.us/plm

CENIT LOCATIONS: ADRESSES & CONTACT

GERMANY

CENIT Stuttgart
Industriestraße 52-54
D-70565 Stuttgart
Tel.: +49 711 7825-30
Fax: +49 711 7825-4000
E-Mail: info@cenit.de
Web: www.cenit.de

CENIT Berlin
Eichenstraße 3b
D-12435 Berlin
Tel.: +49 30 884580-0
Fax: +49 30 884580-99

CENIT Düsseldorf
Max-Planck-Str. 17
D-40699 Erkrath (Unterfeldhaus)
Tel.: +49 211 530652-0
Fax: +49 211 530652-99

CENIT Frankfurt
Lyoner Straße 20
D-60528 Frankfurt
Tel.: +49 69 668018-0
Fax: +49 69 668018-8

CENIT Hamburg
Heidenkampsweg 51
D-20097 Hamburg
Tel.: +49 40 2533466-0
Fax: +49 40 2533466-88

CENIT Hannover
Großer Kolonnenweg 21
D-30163 Hannover
Tel.: +49 511 54275-0
Fax: +49 511 54275-88

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

CENIT Oelsnitz
Kurt-Mauersbergerstr. 9
D-09376 Oelsnitz
Tel.: +49 37298 3039-0
Fax: +49 37298 3039-30

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

SWITZERLAND

CENIT (Schweiz) AG
Hungerbüelstrasse 22
CH-8500 Frauenfeld
Tel.: +41 52 7247777
Fax: +41 52 7247778
E-Mail: info@cenit-ag.ch
Web: www.cenit.de

ROMANIA

S.C. CENIT S.R.L.
Str. Calea Chisinaului
Nr. 104-106 bis, Iasi
Tel.: +40 332 430574
Fax: +40 332 430572
Web: www.cenit.ro

USA

CENIT North America Inc.
691 N Squirrel Rd, Suite 275
Auburn Hills, MI 48326
USA
Tel.: +1 248 276-8540
E-Mail: info@cenit.us
Web: www.cenit.us

FRANCE

CENIT France
15 Chemin de la Crabe
FR-31300 Toulouse
Tel.: +33 567310220
Fax: +33 561158805
Web: www.cenit.fr

www.cenit.us/plm