

AutoPOL 7

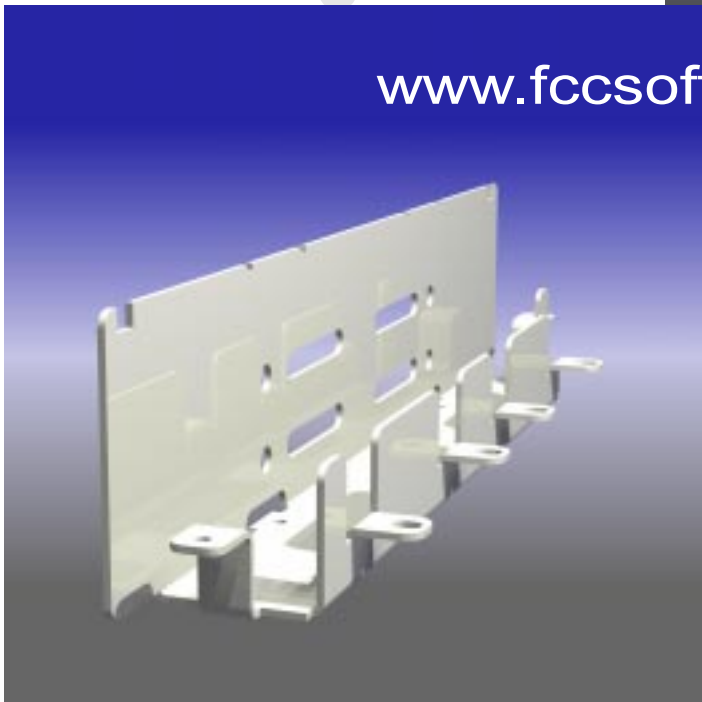
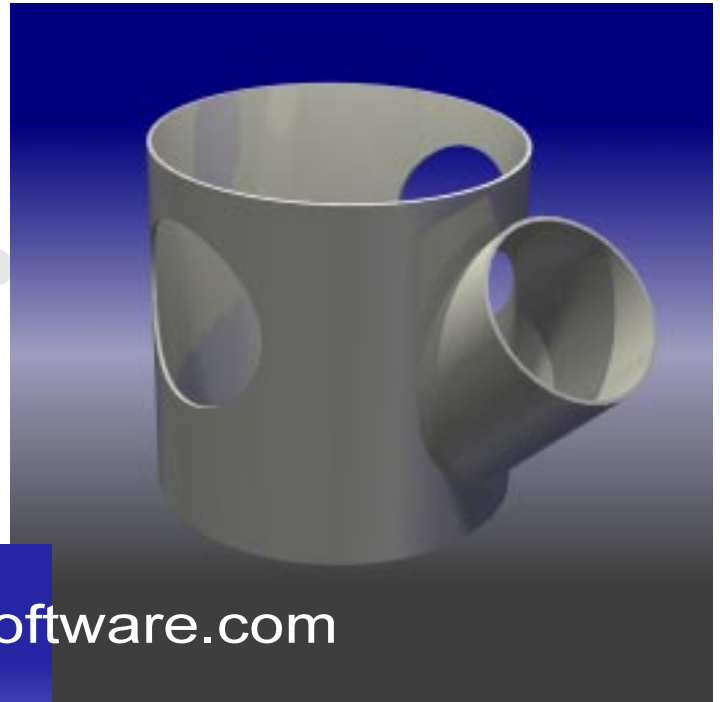
Sheet Metal Design and Unfolding for AutoCAD

Product overview

AutoPOL 7 is a powerful application, integrated with AutoCAD, to design and unfold sheet metal parts.

AutoPOL provides the tools for rapid design of 3D models and generation of accurate flat pattern geometry directly from these models. This integrated environment increases the design and production efficiency when manufacturing sheet metal products.

AutoPOL has been developed over many years and all our experience, together with the latest programming technology, gives you software that ensures the highest quality and accuracy.



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Unfolding capability

AutoPOL provides the most comprehensive unfolder currently available. All kind of single curved geometry's created as solid models or AutoCAD Surfaces can be unfolded.

The unfolding function applies K-factor bend compensation to create an accurate flat pattern. These values can be configured to correspond to different materials and manufacturing methods. To add bending lines and bending angles can also be controlled from the configuration.

The flat pattern is drawn with standard AutoCAD entities.

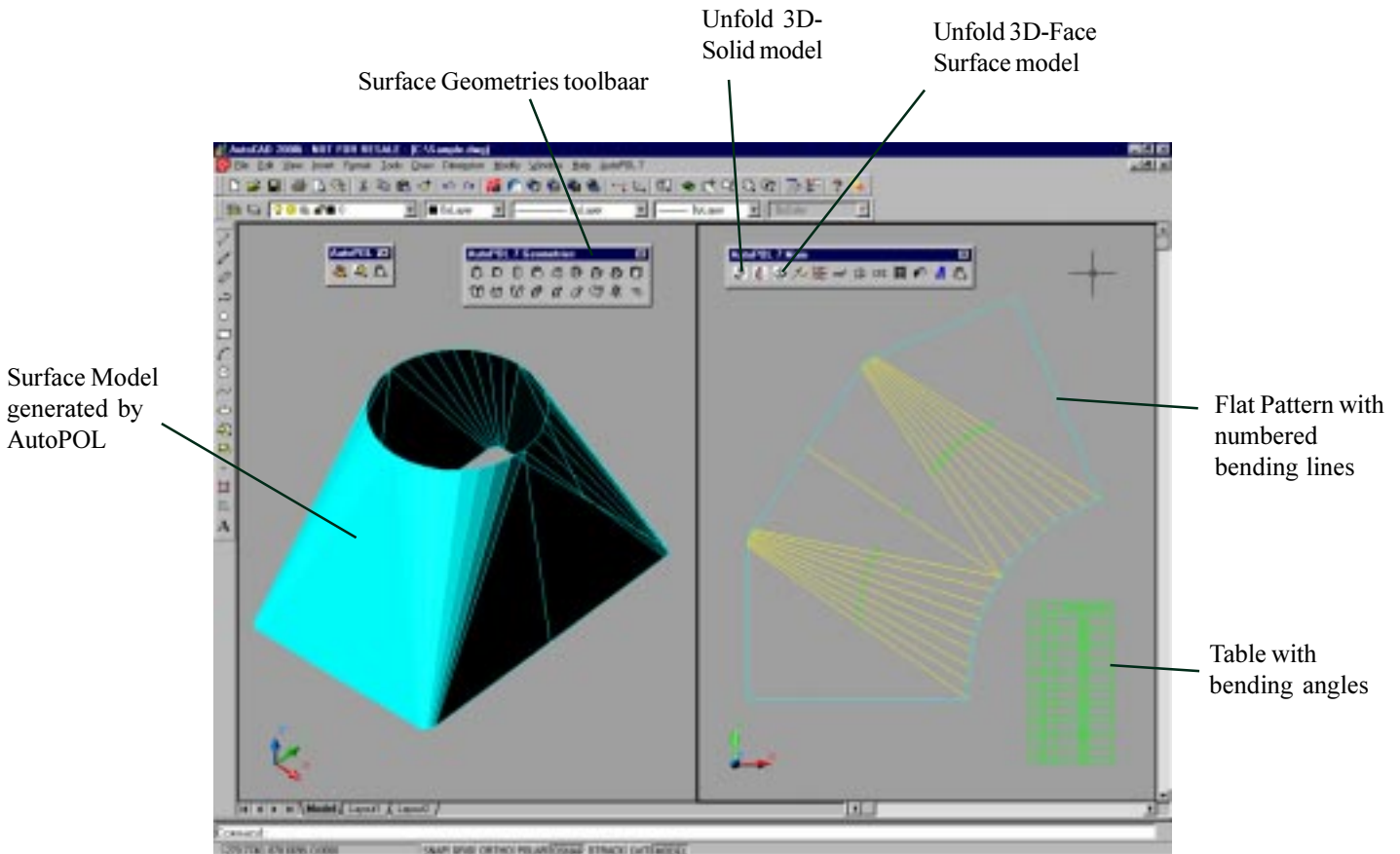
Technology

AutoPOL 7 is available for AutoCAD R14, AutoCAD2000 and AutoCAD 2000i. AutoPOL takes full advantage of Object ARX programming interface. As a user you will benefit from a seamless integrated application with a very intuitive interface. Combining AutoPOL and AutoCAD provides the ultimate solution for sheet metal design.

2D functionality

When unfolding complex geometry's, splines and elliptical curves are generated in the flat pattern. CAM- applications may not accept such entities. AutoPOL has a function to convert these entities to lines and arcs at the desired accuracy. Annotation with XY coordinate dimensioning, automatic sectioning for oversized plots, area and weight calculation is also provided in AutoPOL.

Standard Surface Models



Numerous 3D shapes such as cones, rectangle-to-round, T-pieces, bends and tubes, can be created through a data input dialog box. The object is drawn automatically as a surface model and can be unfolded.

Powerful Features

- ✓ Unfold ACIS solids
- ✓ Unfold 3D face- surface models
- ✓ 3D shape creation through dialog box
- ✓ Solid design aid as lip creation and punching
- ✓ XY Dimensioning
- ✓ Entity conversion
- ✓ Area and weight calculation

Information

AutoPOL has many world-wide users. The product is available in English, German, French and Japanese languages on CD media with a printed manual.

Visit our web site www.fccsoftware.com for more information.

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