Infinum
NURB Nesting

Intelligent Nesting Program
with integrated CAD Engine!

With Infinum you have a powerful, fully automatic Nesting program at your disposal. It provides interactive and automatic nesting of an infinite number of true shaped parts on any number of true shaped material sheets.

Parts can be imported or designed within Infinum. The highly efficient integrated CAD engine offers all professional tools such as splines or offset curves for constructing parts and designing material sheets.

After the definition of the required parts and material sheets and the specification of all related nesting parameters such as *Collar Width, Cutter Diameter, Clearance* etc., Infinum calculates fully automatically, in an one step process the optimized arrangement of the defined parts on all specified sheets.

An analysis tool provides precise data of the optimization process. The results can be exported as ASCII data.

technical highlights

Interface	active guiding user interface with integrated intelligent drafting assistance.
Performance	32bit Software for Microsoft Windows.
Nesting	True Shape Nesting (any form of parts and material sheets including cutouts); multiple orientations (part rotation by 1° steps); multilevel Nesting (holes and cutouts can be nested with smaller parts to achieve minimum material waste), Nesting by defined priority; multi-sheet nesting (any number of sheets per nesting calculation).
Tools	integrated precise CAD engine with extensive drawing tools including NURB splines and offset curves.
Documents	Multi Document Interface.
Data	extensive data interfaces for importing and exporting data and geometry.
Versions	as independent program or module for DraftBoard Unlimited.

Features & Specifications

User Interface
- infinite drawing area
- multiple sheets per document
- drawing guidance
- intelligent mouse cursors
- invertable screen background [black or white]
- dynamic and permanent construction lines
- grid
- infinite pan and zoom
- stroke commands [graphic shortcuts]

additional features
- default user preferences
- command key shortcuts
- coordinates: real, polar, relative
- double precision floating point accuracy
- object oriented database
- 234 colors of 16 Mill. [64 predefined]
- 256 layers
- 16 Undos/Redos

Selection
- selection arrow and marque
- automatic boundary selection tool

Dimensioning
- dimension editor
- dimension standards: DIN
- units in mm, cm, m, inch, feet, inch/feet
- associative dimensioning: linear, anglular, diameter, radius
- 7 dimension arrows

Text and Cross Hatches
- comfortable text tools
- TrueType, PostScript and Plotter fonts
- associative hatches [DIN, ISO]
- associative color fills

Symbols
- parametric symbols

Printing
- supports all Windows printer drivers
- automatic scaling
- print preview
- tiled printing

Data interfaces
- import: DraftBoard, ASCII, DWG/DXF, IGES, Splines, WMF, BMP;
- export: DraftBoard, ASCII, DXF/DWG, IGES, PNG, WMF/EMF, BMP

CAD Functionality

Construction
- lines, arcs and circles
- ellipses and polygons
- NURB splines
- offset curves
- parallel lines
- tangents and perpendiculars
- architecture: Intelligent wall tool
- 9 line styles, 8 line widths, 7 line arrows

Editing
- object oriented editing
- filles and chamfer tools with automatic trimming
- trimming tools,
- move, rotate, scale and mirror tools
- linear and polar array duplication

Nesting
- true shape nesting
- multilevel nesting
- nesting with flat ends
- multiple orientation
- non-rectangular plates
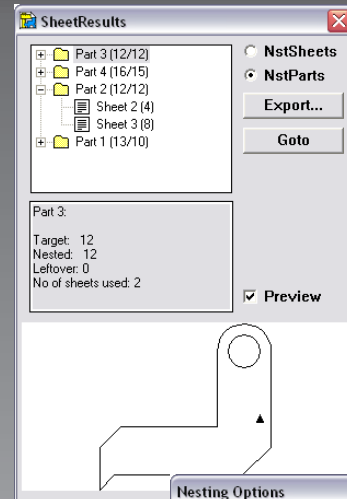- extensive data analysis

System Requirements
- Personal Computer with a 486-Processor with math. coprocessor (Pentium 200 or better recommended).
- RAM: Win 98/ME: 32 MB; Win NT4/2000/XP: 64MB;
- hard disc with min. 10 MB free space available [full installation: 35 MB].
- CD-ROM disc for installation.
- MS Windows compatible graphic device.
- Windows: 98, ME, 2000, NT4 sp3, XP
- MS Windows compatible pointing device.
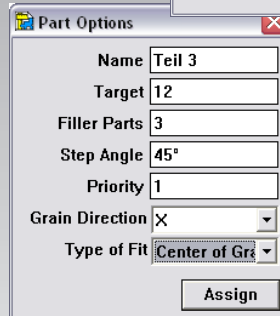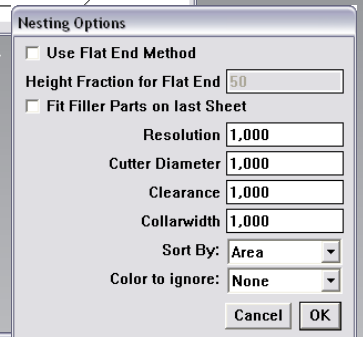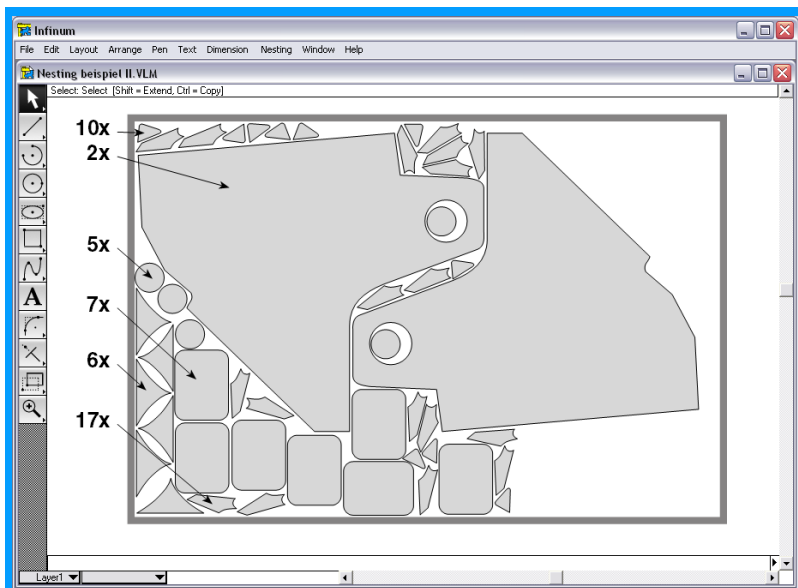
Automatic Nesting

DraftBoard

INFINUM
NESTING
SKETCHING

Nesting Analysis

Nesting options

Part Options

DraftBoard
INFINUM
NESTING
SKETCHING

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