✹ MetaJET

WATERJET CUTTING SOFTWARE

✹ Metamation
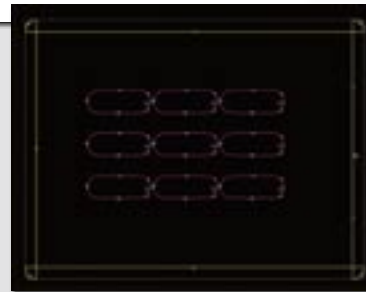Leading the Industry in Innovative CAD/CAM Software

MetaJET is the latest Waterjet programming software designed to program parts for efficient and high quality cutting on Waterjet machines. The software is powered with several automated features that can easily apply tooling to geometry based on the predefined rules and parameters. Designed to support 3, 4 and 5-axis Waterjet machines MetaJET serves as a one stop solution for your drawing and programming requirements.

METAJET CAD

» Dynamic CAD system streamlined with simple and easy drawing features like trim and extend along with capability to import DXF, DWG, IGES or PRT files

» Easy commands for drawing basic shapes like line, arc and circle

» Arrange your "Common Shapes" into arrays in a few clicks

» Clean up Splines, Duplicate, and Open geometry

» Layer control enables easy assignment of CAM features like selective or cluster tooling
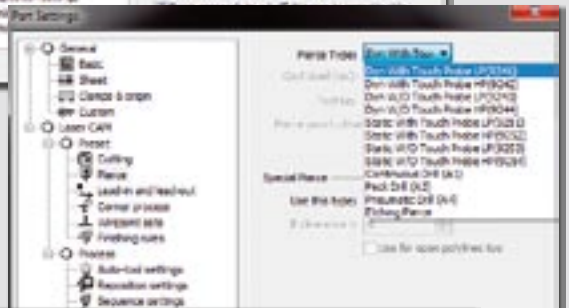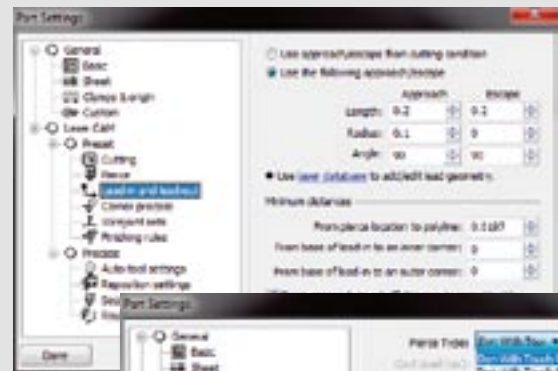
WATERJET CAM FUNCTIONALITY

BASIC

» Locate pierce points automatically to optimize traversing

» Option to toggle between Dynamic and Static piercing

» Auto tooling dynamically assigns the correct cutting properties for machines and assigns federate based on geometry size or layers

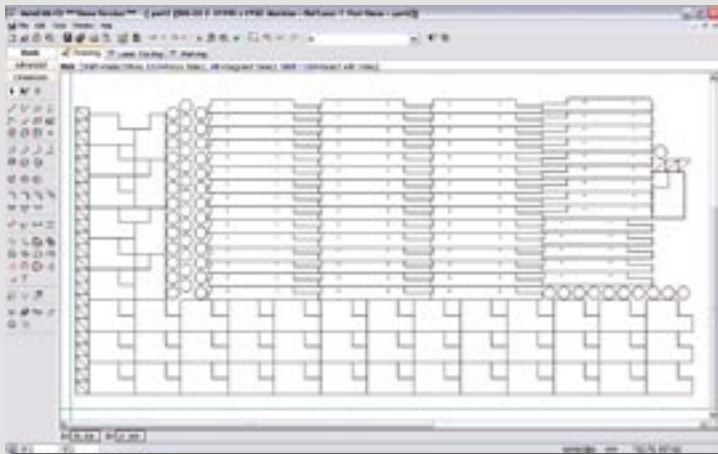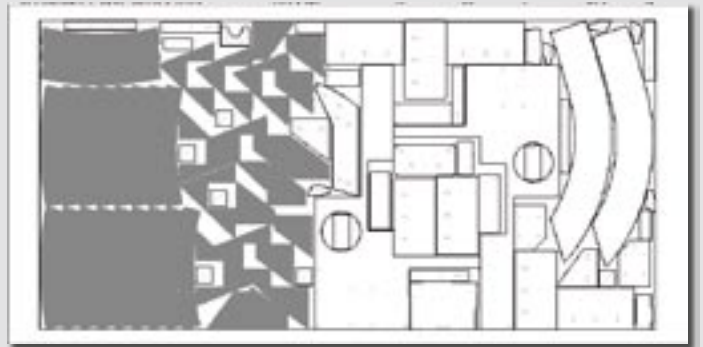» Options to manually edit tooling such as "Changing pierce type" or "Move pierce points"

ADVANCE

» Powerful features to adjust corner cutting such as looping, dwellings and speed control

» Advanced sequencing which optimizes the cut paths to save time

» Interlock similar geometries for faster tool edits

» Cluster tooling feature enhances the repeatability and reusability

METAJET NESTING – AUTOMATIC FREE SHAPE NESTING

» Automatic nesting of multiple parts on the sheet for efficient material utilization

» Add on "Special" algorithms for "common line cutting"

» Remnant sheet management and reuse for material efficiency

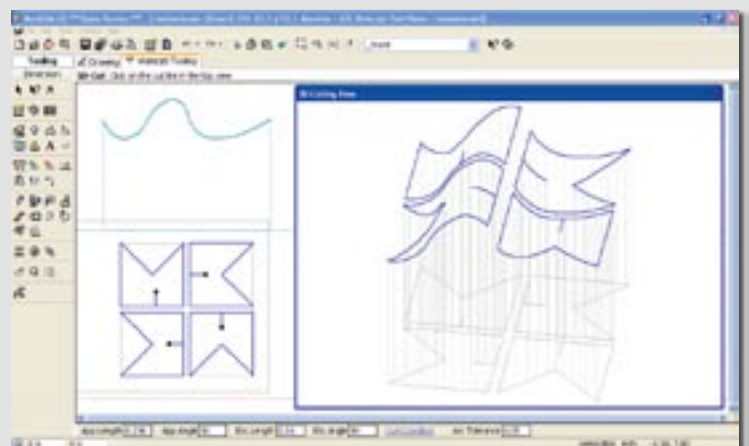» Bridge nest feature to interlock parts in a nest that prevents part fall out
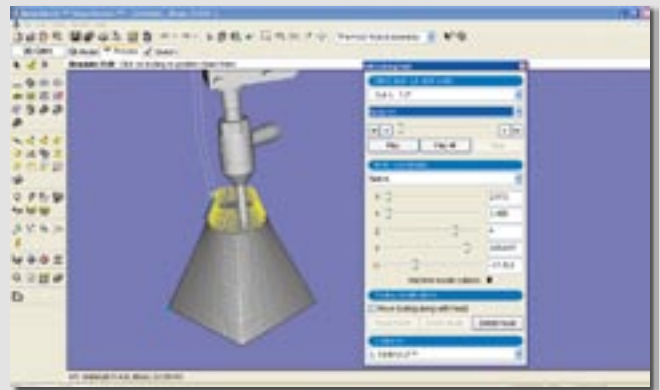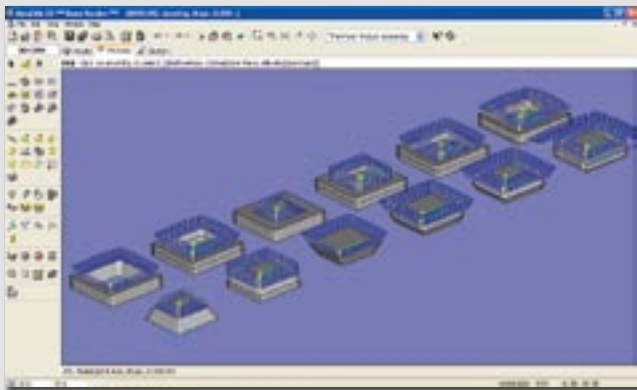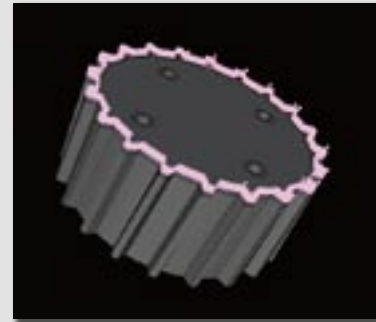

2D Z-AXIS FEATURE

» Draw your Orthogonal Projection in 2D to view your part in "3D Cutting View"

» Interactive tooling assignment feature gives you real time feedback in "3D Cutting View"

» Specify nozzle dimensions to avoid collisions

» Cut multiple variety of terrain types (angle iron, irregular etc.) in the Z axis

5-AXIS WATERJET CAM

» Easily create complicated blended shapes in 3D and assign auto tooling for 5 axis programming

» Seamlessly assign Bevel Tooling to parts at various bevel angles

» Create Simple Nesting of 5 axis parts for repeat cuts

» Dynamic collision checks in 3D

PENROSE – STONE CUTTING SOFTWARE

» Easily Design Standard Stone Patterns

» Easily Export Designed Pattern to Nest

» Map Stone Pattern to Nesting Software

» Automatically Separate parts into a nest job based on Stone Type

» Automatically tool parts and separate based on type of stone.

Metamation

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USA	1465 Terminal Way, Suite #2, Reno, Nevada 89502	**T** (775) 826-1717	**F** (775) 826-1723
	480 Lively Blvd., Elk Grove Village, IL 60007	**T** (775) 826-1717	**F** (775) 826-1723
UK	20 Milcote Close, Greenlands, Redditch Worcestershire. B98 7RN	**M** +44 (0) 772 583 4538

www.metamation.com | sales@metamation.com