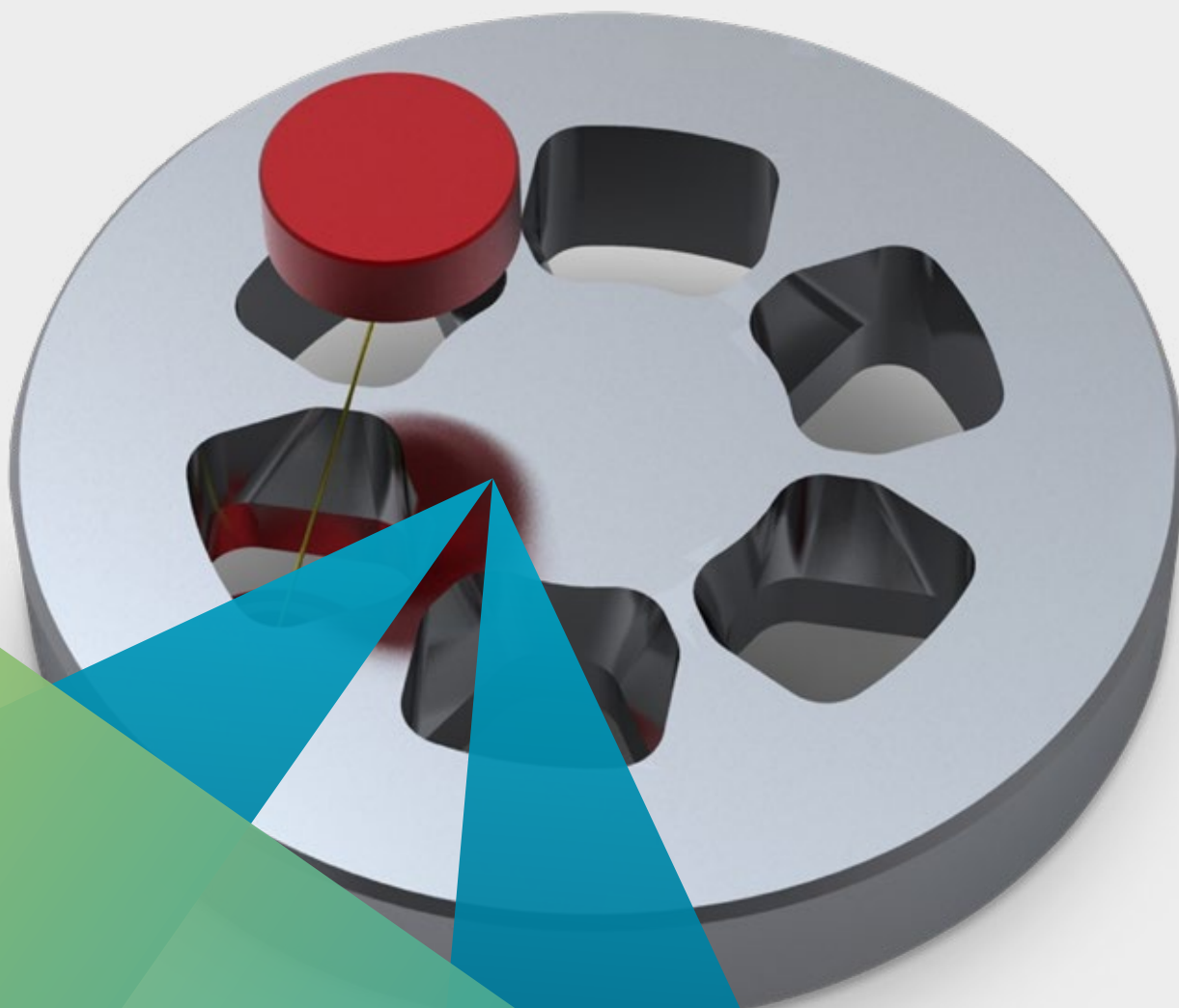


VISI PEPS-Wire

Modular CAD/CAM/CAE software for tool & die makers





VISI PEPS-Wire

2 and 4-axis wire erosion

VISI PEPS-Wire combines the leading PEPS-Wire EDM solution within the VISI CAD/CAM environment, which has been specially developed for toolmaking and mould making. Fully feature-based, VISI PEPS-Wire 's automatic recognition of wire erodible parts delivers reliable results for wire features, such as tapered and 4 axis cuts, directly from the solid model.

If 2D geometry is available, the user can create Wire EDM features manually and apply the machining operation of their choice directly from the feature tree.

Features are easily machined creating reliable Wire EDM toolpaths and proven CNC code for all Wire EDM machine tools.

VISI technology suite

Construction	NC Programming	Standard CAD interfaces
VISI 2D CAD	VISI Machining 2.5-Axis	STEP
VISI 3D Surface Modelling	VISI Machining 3-Axis	GES
VISI 3D Solid Modelling	VISI Machining 5-Axis	VDA
Reverse Engineering	VISI Compass Technology	Parasolid
	VISI PEPS-Wire (Wire EDM)	DWG, DXF
		Solid Works
		Solid Edge
		Inventor
Mould Making	Additional Modules	Extra CAD Interfaces
VISI Flow	VISI Viewer	Catia read
VISI Analysis		Catia write
VISI Electrode		NX read
VISI Mould		CREO read
		JT Open read & write
		SAT read & write



VISI PEPS-Wire

2 and 4-axis wire erosion

Automatic feature recognition

VISI PEPS-Wire includes specially developed feature recognition functionality covering the following areas:

- Hole features
- Constant and variable taper features
- Tapered with constant or variable land heights
- 4-Axis features

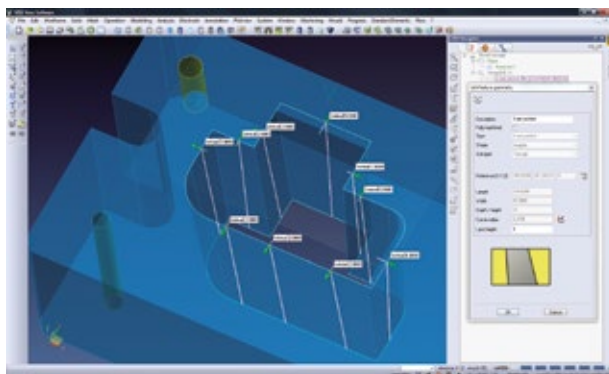
Intuitive user interface

The 2 and 4 axis machining operations give the user a choice of parameters such as machining direction, auto offsetting, lead on/off radius, tag distance, lead off distance, lead on/off technology to name just a few. Each parameter is accompanied by an interactive bitmap giving the user additional information on how it will affect the resultant toolpath.

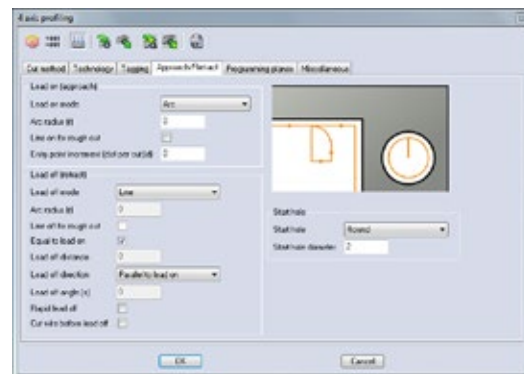
Easy feature editing

Using native VISI graphical tools it is very simple to edit advanced features such as 4 axis or variable tapers. User 'constraints' or 'synchronisation lines' are easily added to 4 axis features and the results dynamically update; particularly useful when designing extrusion dies. Variable tapered features can be edited graphically by dragging the angle on individual faces of the feature; this is achieved using interactive graphical sliders found extensively throughout the VISI environment.

VISI PEPS-Wire will streamline your day-to-day production, reducing costly errors and eradicating the need for dry-runs, giving you a competitive advantage.



Interactive Feature Editing



Simple User Interface

Automatic cutting strategies

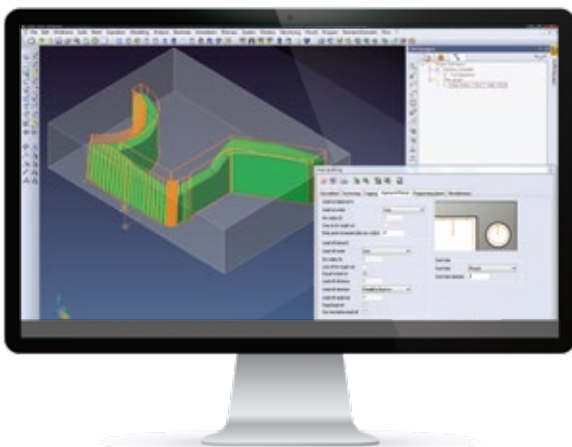
VISI PEPS-Wire offers pre-defined cutting strategies with sequences for roughing, finishing and separation cuts. These processing strategies can be used in both manned and unmanned production. Both punch and die strategies are available resulting in quick and easy programming of complex parts.

WIRE EDM simulation

A solid based, kinematic simulation of the complete toolpath is available, with display of workpiece, target component, clamps and machine parts. During the simulation, collision checking is performed and, if a collision occurs, this is graphically displayed on the model and a warning issued. As slugs become detached, the simulation advises the operator and graphically removes the part, emulating the cutting process on the machine tool exactly. Toolpath verification also tests whether the completed part is removable from the component. It is also possible to perform a part comparison between the target model and cut part, highlighting any rest material or gouges.

Post-processors & machine technology

VISI PEPS-Wire supports a comprehensive range of wire erosion machines from leading manufacturers such as Agie, Charmilles, Fanuc, GF Machining Solutions, Makino, Mitsubishi, Ona, Seibu and Sodick. Machine tool technological cutting data is also included for these machines (e.g. JOB/Script file output for AGIE, CMD file output for Charmilles and .mjb file output for the AgieCharmilles Cutx00). A simple post processor user interface allows easy configuration to suit manufacturer's individual models.



4-axis cutting with variable land



Obstacle management for accurate kinematic simulation

2 and 4-axis cutting strategies

- 2-axis profiling
- 2-axis constant or variable taper
- 2-axis destruction (no-core)
- 4-axis profiling

Powerful functionality

- Manual, predefined or automatic calculation start hole locations
- Automatic cutting and threading of the wire
- Comprehensive lead-in and lead-out strategies
- Multi-tagging
- Automatic slug retention strategies Automatic or manual ordering
- Multiple cutting
- Reverse cutting
- Pre-defined strategies enabling, for example, unattended, overnight cutting

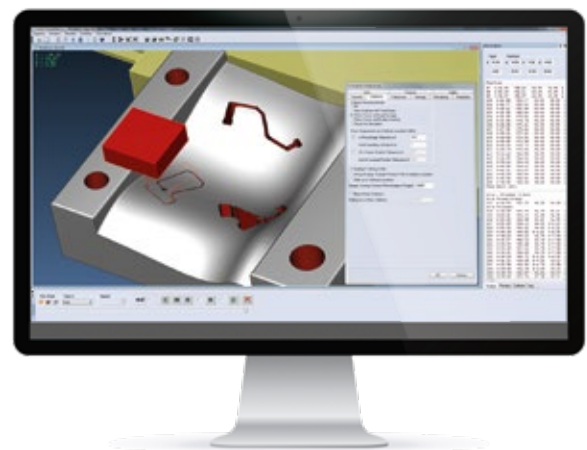


We are very happy with VISI, as the software works in the same way as a toolmaker thinks. That makes VISI easy to learn and quick to integrate.”

Manfred Deifel,
Head of toolmaking at Rafi GmbH & Co. KG)



Pre-defined cutting strategy selection



Simulation includes interfaces and collision checking



Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).