PEPS Wire EDM is the industry leading Wire EDM CAD/CAM system developed specifically for the precision engineering, tool-making, mould & die, press and extrusion tool industries. It offers an intuitive environment for the comprehensive programming of all Wire EDM machines tools.

**Extensive range of CAD interfaces**

PEPS Wire EDM comes with an extensive range of integrated CAD data translators that allow the direct import of CAD drawings in their native form or as industry standards. The standard system configuration comes with interfaces for DXF, AutoCAD DWG, AutoCAD-Inventor, VISI, SolidWorks, Solid Edge, IronCad and Solid IGES. Optional CATIA V4, CATIA V5, Unigraphics, Pro Engineer, VDA and STEP translators are available. PEPS Wire EDM can display the CAD data as simple wireframe, solids and surfaces or a combination of both; which are used as the source for all cut-path programming and process simulation.

**Comprehensive machine and postprocessor database**

PEPS Wire EDM contains a comprehensive database of Wire EDM machines from the leading Machine Tool manufacturers; including JOB and Script for Agie, CMD and CT Expert for Charmilles, Brother, Fanuc, Hitachi, Makino, Ona, Sodick, Seibu and Mitsubishi. The advanced postprocessors aren’t just limited to the use of generic G and M codes; posts are easily configured to suit different machine models and configurations.

**Multiple tagging and auto removal**

PEPS Wire EDM allows you to give the part multiple start holes and it will automatically establish tags near to the start of each new hole location. In PEPS Wire EDM it is possible to select from several different methods of unattended machining. If your machine is equipped with automatic wire threading, then you will most likely want to run unattended as long and as often as possible. Unattended machining is performed by leaving the slugs attached while all of the preliminary cuts are taken. Numerous strategies are available to cut the part; for instance, taking all of the rough cuts before finishing, in which case all rough cuts are taken while leaving the tags attached, then the tags are removed, and finally the finish cuts are taken. Alternatively, take the rough and finish cuts while leaving the component or waste material in place and then remove the tag and finish this area.
By using PEPS WIRE EDM, not only will programming time be minimised, but also the eventual cut-path will be far more efficient, saving further time on the machine. Add in the comprehensive simulation and proofing tools and you have a system that not only streamlines day-to-day production, it also reduces costly errors and eradicates the need for dry-runs, giving you’re company a competitive advantage.