

: essential profile

CNC profiling for your existing CAD Solution

Essential Profile provides the perfect CAM solution if you are planning to utilise your current CAD investment. It cost effectively provides your operators with the market-leading Radan CAM solution they require to reduce lead times and optimise your lasers, plasmas, water jets and flame cutting machines.

Seamless programming

Essential Profile seamlessly integrates the whole programming process from part nesting, cut path profiling, sequencing, code generation and finally DNC connectivity to the machine controller.

Accuracy and consistency

Material specific lead-ins, lead-outs, tagging, machine tool specific cutting technology data and material nesting characteristics are stored in the Manufacturing Database (MDB) in readiness for instantaneous distribution when required to assist an operator or automated process.

Process optimisation

Essential Profile intelligently applies the profile tool paths automatically at the nesting stage to maintain the quality and integrity of your parts, whilst also optimising the cutting sequence and ensuring cutting head safety, thus enabling the machine tool to perform to its optimum potential.

Power and control

The power of automation with the ability to control by your preferences. The Essential Profile programming solution provides your operators with easy to use software that can be educated to adopt your preferred practices and processes.

Efficiency is everything

A machine tool is only as efficient as the software driving it, so that is why we personally install every Radan post processor to ensure that it is commissioned to match your machine tool and controller.

It is your production efficiency that it's controlling, and that's why your software is important to us.

Features include

Drag and drop data input

Batch processing of DXF/DWG

Smart order lead-ins - maximise safety/reduce runtimes

Automatic hazard avoidance maintaining head safety

Intelligent tagging of components and scrap

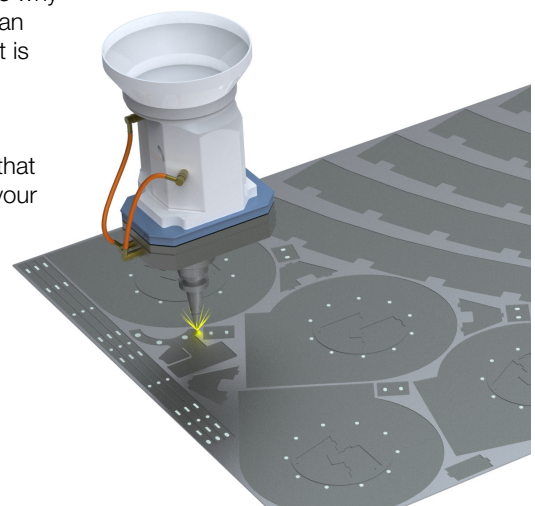
Bridge cutting – reduced costs/times

Automatic common line cutting

Automatic remnants, sheet scrapping and off-cuts

Project nesting incorporating user definable reports

Graphical program verification



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