

# essential punch

## CNC punching for your existing CAD Solution

Essential Punch 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 punch machine tools.

### Seamless programming

The seamless process delivered by Essential Punch provides an easier to use experience for your operators, whilst accuracy and consistency of programming is maintained with the collation of process critical data in the Manufacturing Database (MDB). Material, tooling and machine tool specific data are stored in the MDB in readiness for instantaneous distribution when required to assist an operator or automated process.

### Tooling optimisation

Essential Punch permits multiple tooling setups to be applied to a part for different nesting orientations. This enables the downstream nesting process to fully optimise material utilisation by part rotation, which may have otherwise been restricted due to tool rotation limitations. To minimise programming lead time identification and manipulation of tooling is paramount to an operator. Radpunch provides this capability with the user customisable interactive tool list. The easy to use interface enables an operator to quickly identify and interact with tooling at process critical stages.

### Power and control

The power of automation with the ability to control by your preferences. The Essential Punch programming solution provides your operators with easy to use software that can be educated to adopt your preferred practices and processes. If material utilisation is critical to your business, upgrading the nester to our true shape nester, Radnest will raise your material utilisation whilst also providing further advanced nesting tools for your operator.

### Efficiency is everything

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

### Features include

- Drag and drop data input
- Batch processing of DXF/DWG
- Automatic tooling/sequencing
- Automatic part removal
- Graphical program verification
- Single part true shaped nesting
- Project Nesting incorporating user definable reports
- Support for your machines' advanced features
- Improved machine/tooling efficiency

