

ADVANCED COMPUTER AIDED ENGINEERING CAPABILITIES

The Machined Components Centre's experienced manufacturing engineering team have access to multiple seats of Pro/ENGINEER Wildfire 3D advanced machine programming package.

Pro/ENGINEER enables maximum production efficiency through the automated generation of machine code and associative tooling design. The software is compatible with most Computer Aided Design packages, facilitating data exchange.

The need for shop-floor proving is reduced using VERICUT software to simulate machining before the program is loaded onto the machine, as well as optimising CNC programs to reduce cycle times.

RAPID PROTOTYPING

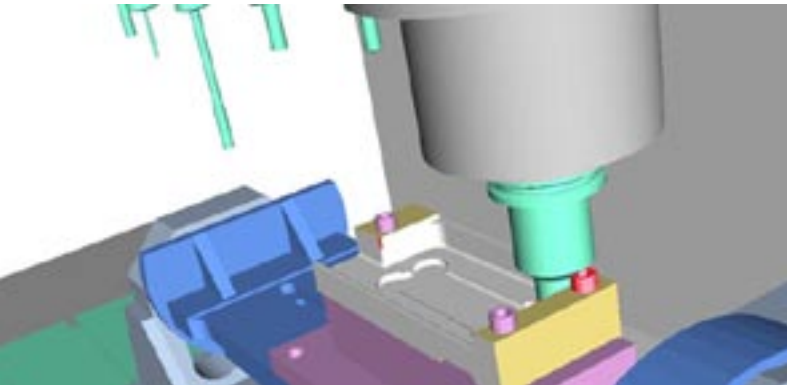
Our Manufacturing Engineering capabilities have recently been extended through the introduction of a Rapid Prototyping machine, producing fully cured 3D models in acrylic-based resins. Prototype models can be used to help overcome engineering challenges in the early stages of the development process, enabling you to save costs and move more quickly from concept to finished product.

COMPLETE SOLUTION

With extensive knowledge of the industry, our engineers can provide overall solutions, from initial design to final product. We can overcome your design problems to deliver quality products.

KEY BENEFITS

- Access to Pro/ENGINEER, producing CNC programs direct from 3D design model
- Experienced, professional engineering team
- Advice on Design for Manufacture, cost and time savings
- Verification of machining programmes with VERICUT
- Fixture design
- Direct DNC link to all machining centres
- Rapid Prototyping facility to aid Design for Manufacture.



Verification of programmes with VERICUT reduces shop-floor proving time

CASE STUDY

One of our customers required a large chassis machined from a casting. However, the casting lead-time of 12 weeks was unacceptable to meet their delivery schedule. Working alongside the designers, our engineering team re-engineered the part to machine from solid and produced a prototype within the customer's timescale requirements.

With our proven track record let us overcome your manufacturing problems using our tailored service

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INVESTOR IN PEOPLE