



CNC PATTERN, TOOLING & PROTOTYPING CENTRE

With over 30 years industry experience, we provide innovative design solutions from concept through to prototype development and testing, to final ready-to-manufacture product design using the latest CAD, CFD, and FEA techniques. We have experience of designing single-piece parts through to complex assemblies with specialist knowledge of lightweight, robust composite structures.

Advanced integrated Technologies

CAD DESIGN

TOOL DESIGN

CNC 5-AXIS MACHINING

PATTERN MAKING

SURFACE FINISHING

COMPOSITE & METALLIC
TOOLING

JIGS & FIXTURES

CMM INSPECTION

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Design & Manufacture

- CAD - 4 x CAD Workstations
- CAM – 1 x Rhino CAM, 1 x MasterCam Workstation
- Multicam - 5 Axis Routing, 5.5m x 2.1m x 1m
- CMS Ares – CNC 5 Axis Routing, 3.6m x 1.75m x 1.25m
- 1x Autoclave 3.5m Diameter x 6m long
- 1x Autoclave 1.5m Diameter x 3m long
- 3x Curing Ovens
- Javelin MRP System - real time collection
- Machinable materials - Epoxy and polyurethane tooling block, aluminium and other soft metals, rigid foams, Tufnol, composite materials, acrylic and plastics
- Pattern, Tooling and jig manufacture
- Full structural composite capability
- Composite repair capability 6m long
- Structural hot and cold bonding
- Integration of electro/mechanical assemblies
- Controlled manufacturing areas
- Large Assembly Hall, covered by 2 tonne gantry, 22m x 7m x 7m
- Ultrasonic Degreasing
- Inspection, CMM, 2x Faro Arms,
- Creaform MetraSCAN 3D CMM
- 1500sqft Clean Room
- ISO2001:2015

