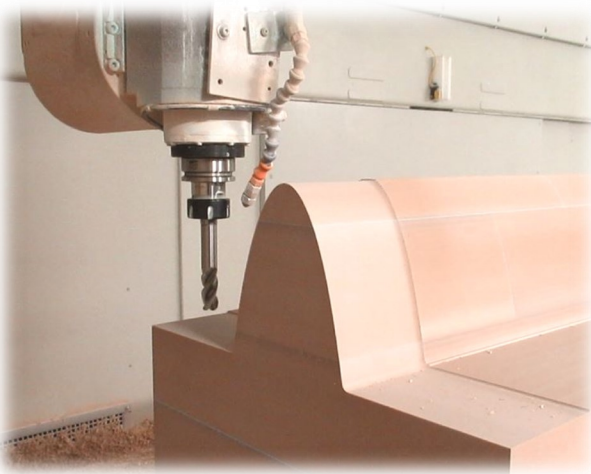


CAPABILITIES

Equipped with Hypermill CAD/CAM software, with full simulation capability from Open Mind Technology, this machine gives ÉireComposites the ability to carry out any kind of :

- Machining of aerospace components of up to 6m x 2.6m x 1.2m.
- Master patterns for renewable energy sectors and marine sectors.
- Machining of carbon, glass and aramid with thermoset and thermoplastic resins.

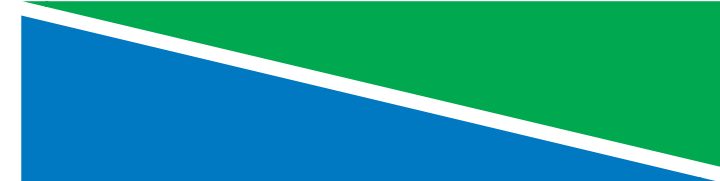


SPECIFICATIONS

Machine Bed Cutting Area	(x) 6.0m (y) 2.6m (z) 1.2m
5 Axis Rotation	(b) $\pm 120^\circ$ (c) $\pm 270^\circ$
Spindle Speed	24000RPM
Rapid Speed	(x/y) 80m/min (z) 70m/min (b/c) 9000 $^\circ$ /min



CNC Machining Centre Capability



An Choill Rua, Indreabhán,
Co. Galway,
Ireland: H91Y923

Tel: +353-91-505430
Fax: +353-91-505432
Email: info@eirecomposites.com

An Choill Rua, Indreabhán,
Co. Galway,
Ireland: H91Y923

Tel: +353-91-505430
Fax: +353-91-505432
Email: info@eirecomposites.com

CNC 5-Axis Machining

CMS Ares is a 5 axis CNC with high speed gantry machining center with a movable bridge design which allows the component part to remain fixed while the spindle makes all the 5-axis movements.

With a machining area capacity bed of 6m x 2.6m x 1.2m, It is used to machine large tooling patterns for current projects.



APPLICATIONS

- Milling
- Aperture machining
- Contouring
- Finishing
- 3-D surface machining using up to 5 simultaneously interpolated axes
- Trimming and Drilling
- Machining of fixtures and jigs

MATERIALS

- UD carbon composite panels
- Glass resin panels
- Honeycomb panels
- Epoxy tooling board
- Polyurethane Foam

PROJECTS

A sample case study for machining is the JEC Award winning Bua Saddle.

Utilizing the capabilities of the 5-axis CNC, ÉireComposites machines the unique Bua saddle in one setup using the full 3D 5 axis capability as an ongoing production part.

