



Marine Hatches and Doors

Area 1 & 2 Marine Windows

Powered Roof Systems & Awnings

Bespoke Engineering Design & Manufacturing

Quality Engineering

The best kept secret in the industry

Windows | Doors | Roofs | Manufacturing | Design

Unlock Innovation with Falcon Special Products

Your Vision, Engineered.

For nearly two decades, Falcon has been the driving force behind cutting-edge engineering solutions, seamlessly transitioning from the demanding world of motorsport to the sophisticated realm of marine applications. We specialise in transforming ambitious concepts into tangible realities, offering Bespoke Design and Manufacturing Services tailored to your unique requirements.

Our extensive portfolio showcases a legacy of innovation, from pioneering flush hull glazing and advanced powered sunroof systems to intricate superyacht companionway doors and award-winning free-form hull windows. We thrive on complexity, developing custom mechanisms, pneumatic and electronic control systems and precision-engineered hardware that seamlessly integrates form and function.

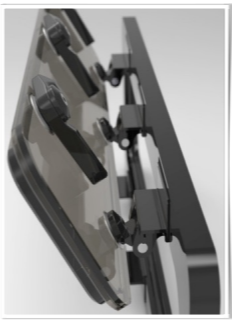
At the heart of our capability lies a state-of-the-art manufacturing facility. We leverage advanced 5-axis CNC machining for large-scale, intricate mouldings, alongside cutting-edge 3D printing in both metals and high-performance plastics for rapid prototyping and production. This is complemented by our in-house electronics expertise, producing everything from custom PCBs and motor controllers to robust CANBUS systems.

Whether you require a complete turnkey solution, from initial concept through to installation, or specialised components for an existing project, Falcon is your dedicated partner. We are committed to understanding your specific needs, applying our deep engineering knowledge and advanced manufacturing techniques to deliver exceptional quality, reliability, and truly bespoke outcomes that set your project apart.

Let us bring your most challenging designs to life.

Windows | Doors | Roofs | Manufacturing | Design

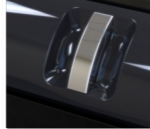
PAST AND CURRENT PROJECTS



AREA 1 - 15 & 20MM ENGINEERED ACRYLIC

CUB & SUPERCUB FLUSH PORTLIGHT

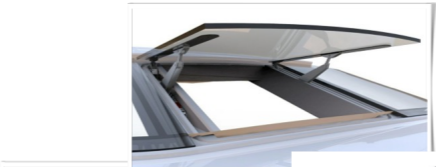
2009 - CURRENT



MANUAL OR POWERED, CUSTOM DESIGNED MECH/DRIVE/CONTROLLER/AIR SEAL/LOCKS/COMPOSITE MOULDING/DOOR, WATERTIGHT, COUNTERBALANCED

SUPER YACHT COMPANIONWAY DOOR

2011 - CURRENT



17MM LAMINATED TG - FLUSH WINDSCREEN - POWERED OPTION

SUPERYACHT OPENING WINDSCREEN

2011



AREA 1 - 15 & 20MM ENGINEERED ACRYLIC

CUB & SUPERCUB FLUSH PORTLIGHT

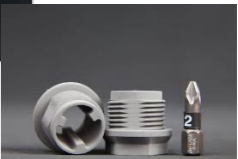
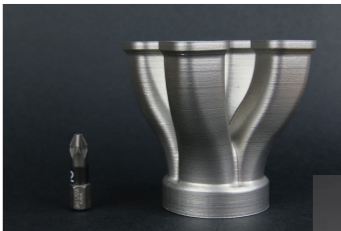
2009 - CURRENT



MOULDED TO HULL SURFACE PROFILE - INCLUDING INTEGRAL PORTLIGHT

WILDCAT FREE-FORM HULL WINDOW

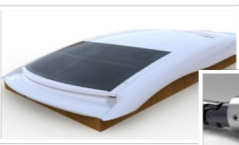
2015 - CURRENT



HIGH PRECISION, FINE DETAIL, FAST PRODUCTION
METAL/CERAMIC: 316L, 17-4PH, COPPER, TOOL STEEL, TITANIUM, ALUMINA
PLASTIC: PET-G, NYLON, PP, NYLON & PET CARBON OR GLASS FILLED

MANUFACTURING - 3D PRINTING

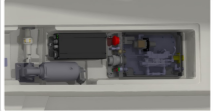
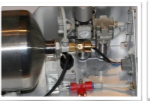
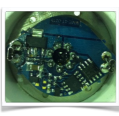
2025



CUSTOM DESIGNED - BESPOKE MECHANISM/DRIVE/CONTROLLER/PNEUMATICS

POWERED SUNROOF SYSTEM

2007 - CURRENT



BESPOKE DESIGN/MANUFACTURE OF MOTOR CONTROLLERS, PROXIMITY SENSORS, INSTRUMENTATION, DATA LOGGERS, STRAIN GAUGE & CANBUS SYSTEMS

ELECTRONICS, CONTROL & INSTRUMENTATION

2007

Other services & partners

Our links with the following Universities help us keep at the forefront of design and engineering developments:

University of Cambridge
Bedfordshire University
Imperial College

Some of the other services we offer are:

Engraving

Polishing

Bending

Riveting

3D Printing (Metal, Carbon Fibre)

5 Axis Machining

Services offered through our partners:

Laser / Water cutting

Painting, Powdercoating, Galvanising

Physical Vapour Deposition coating, Blacking, Anodising (inc Stainless Steels)



5-AXIS CNC MILLING, TURNING AND ROUTING



POLYMER, FOAM, RESIN & METAL 3D PRINTING



CUSTOM DESIGNED PASSIVE & PNEUMATIC SEALS

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We also have distributors in the EU, USA and South East Asia