



Rubbercraft designs, develops and manufactures precision engineered custom elastomeric parts, components and systems



## FLEXIBLE TOOLING FOR COMPOSITES

As a business partner, Rubbercraft delivers added value through a complete package which encompasses every stage from the initial polymer science, compounding, engineering and development through to a final component solution.

Whether build-to-print, or design to spec, we can design, manufacture, assemble, test and install. It's an efficient, seamless and effective approach designed to exceed customer expectations.



Rubbercraft satisfies the stringent demands of safety critical processes.

Rubbercraft is ISO/AS approved for the design of elastomeric components. Our ISO 9001/ AS9100 accreditations signify quality without compromise and we hold numerous other quality certifications and industry approvals.

To view our extensive range of capabilities: [www.rubbercraft.com](http://www.rubbercraft.com)

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*“ Rubbercraft draws upon the global strength, presence and expertise of Group members. ”*

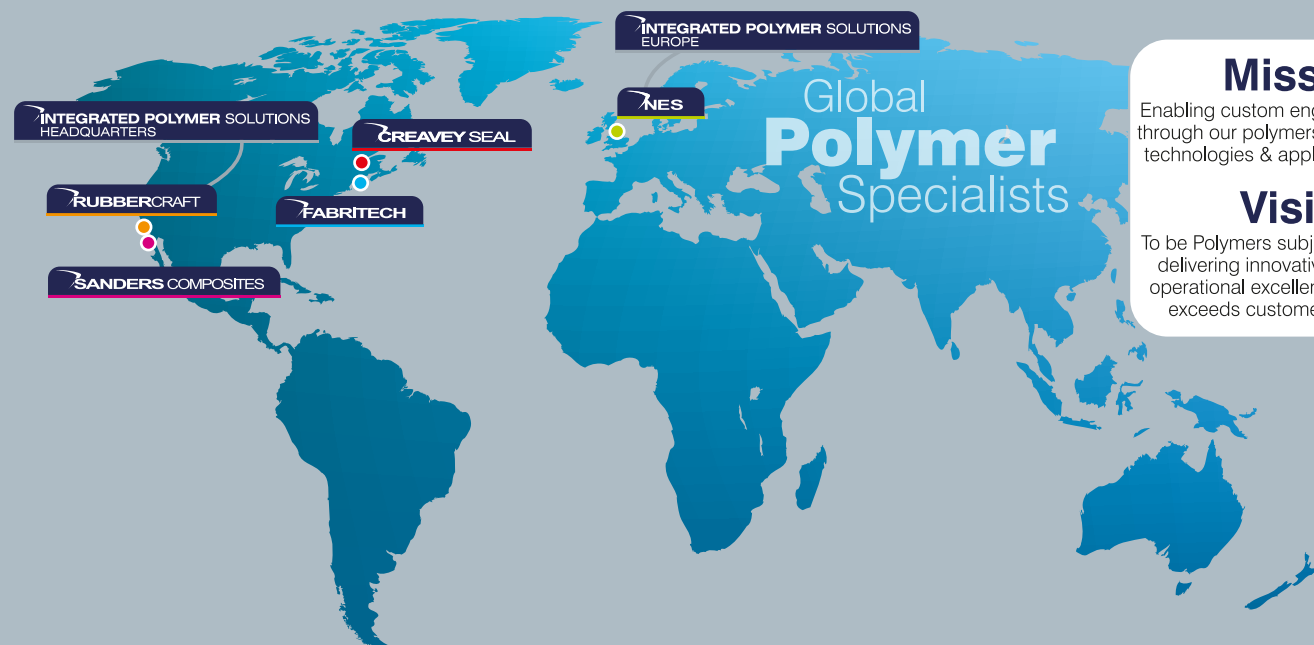
### Mission

Enabling custom engineered solutions through our polymers material science, technologies & applications expertise

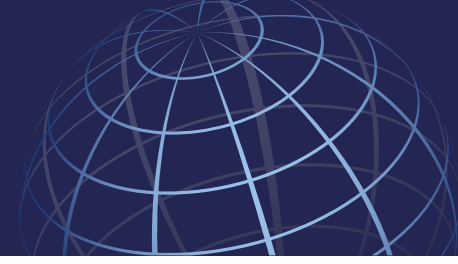
### Vision

To be Polymers subject matter experts delivering innovative products and operational excellence that meets or exceeds customer expectations

PART OF  
**INTEGRATED POLYMER SOLUTIONS**





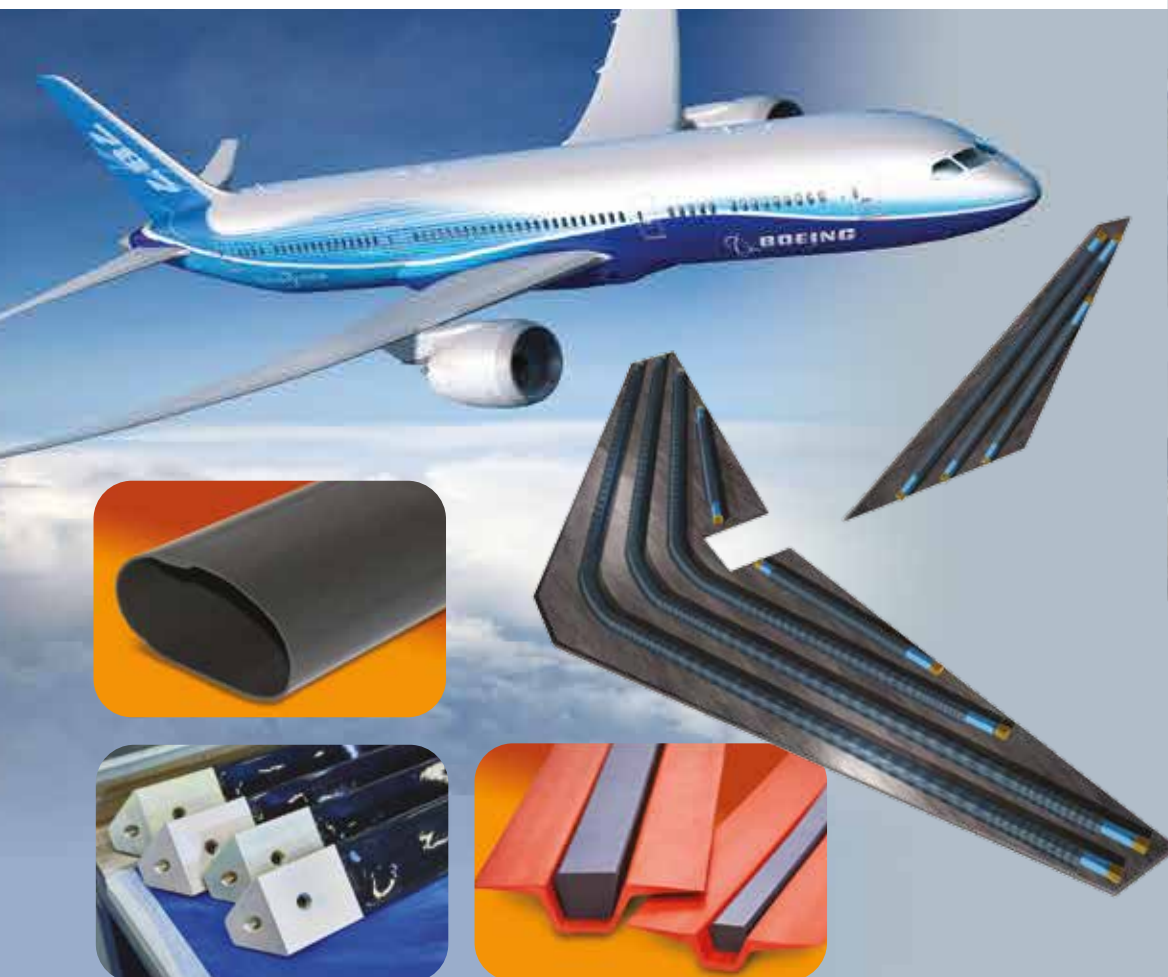
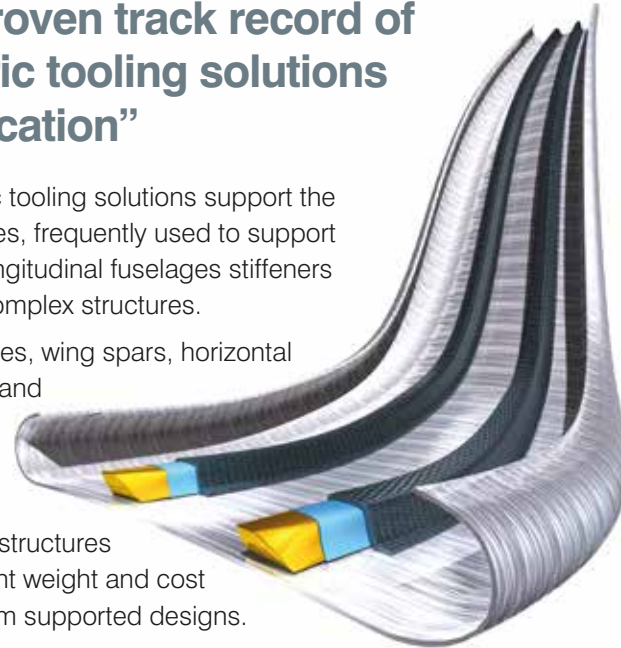


## “A history of achievement a future of innovation, Rubbercraft has a proven track record of supplying elastomeric tooling solutions for composites fabrication”

Rubbercraft’s advanced elastomeric tooling solutions support the composites manufacturing processes, frequently used to support co-curing or co-bonding integral, longitudinal fuselages stiffeners and for fabrication of single piece complex structures.

Applications include winglets, nacelles, wing spars, horizontal stabilizer stiffeners, fuselage, doors and other complex shaped components that require trapped tooling such as bladders or mandrels.

Our tooling is used for hat-stiffened structures hollow elements, providing significant weight and cost advantages over honeycomb or foam supported designs.



### ENABLING

**Next generation designs** - incorporating complex geometries

**Multiple tooling approaches** - for flexible, tailored solutions

**Co-cured & co-bonded applications** - for sound & successful interfaces

**Autoclave and OoA processing** - for high performance, reliable structures

### PROVEN

**Satisfying the stringent demands** - of safety critical applications

**A proven pedigree** - more than 30 years of exceeding client expectations

**Performing** - to deliver risk reduction

**The product of choice** - for demanding industries like aerospace

**Building a reputation** - with tooling used to build 3000+ composite products

### DURABLE

**Built tough and designed to last** - with robust resistance to resin attack

**Lasting value** - with high damage tolerance

**Reusable** - for added value

**Compatible** - with autoclave processing temperatures

### SCALABLE

**From development to production** - an efficient, seamless transition

**Evolved production process** - leading to labour cost savings

**Smooth work flow** - significant benefits



### FACILITIES



- Purpose built, 140,000sq foot factory for product development, new product integration, low and full rate production
- On site laboratory for quality and specification compliance
- AS9100 certified including design
- Flexible capacity deployment

### EQUIPMENT



- Extra long press capacity for full fuselage support
- Bladder and mandrel tooling in fully tailored dimensions per project
- Computer controlled autoclaves and ovens
- Extrusion for tooling seals – silicone, EPDM and Viton specific
- Catia and Solidworks 3D modelling software
- Material prep calendars
- Full materials laboratory
- Optical 360 and roamer arm inspection equipment

### PRODUCTS & SERVICES

- Development of elastomeric solutions to support a wide range of composites manufacturing processes and structures
- Elastomeric bladders for complex, integrated composites structures
- Elastomeric mandrels to form stiffened composites skin structures
- Elastomeric cauls and intensifiers to reduce per-ply thickness variations
- Reusable Vacuum bags from Rubbercraft are used to form a wide range of composite parts
- Our ability to mold, seam or extrude elastomers and utilize specific reinforcements to tailor product behavior and customize elastomer formulations with unique characteristics ensures that Rubbercraft recommends the optimal solution for each application

