

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

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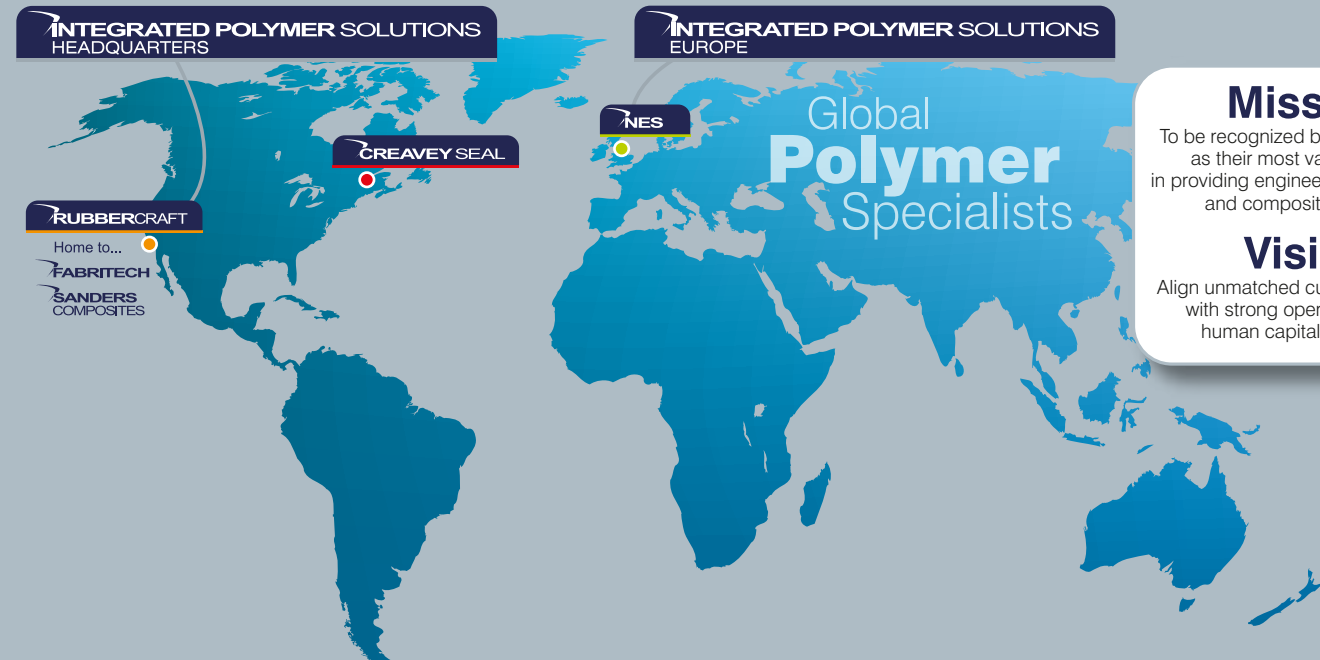
“ Rubbercraft draws upon the global strength, presence and expertise of Group members. ”

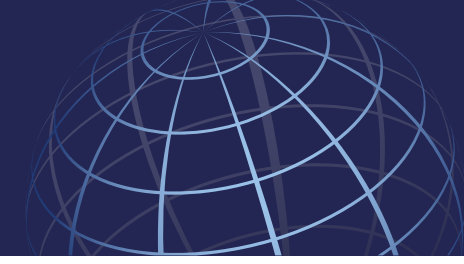
Mission

To be recognized by our customers as their most valued partner in providing engineered seal, gaskets and composite solutions

Vision

Align unmatched customer intimacy with strong operational and a human capital foundation



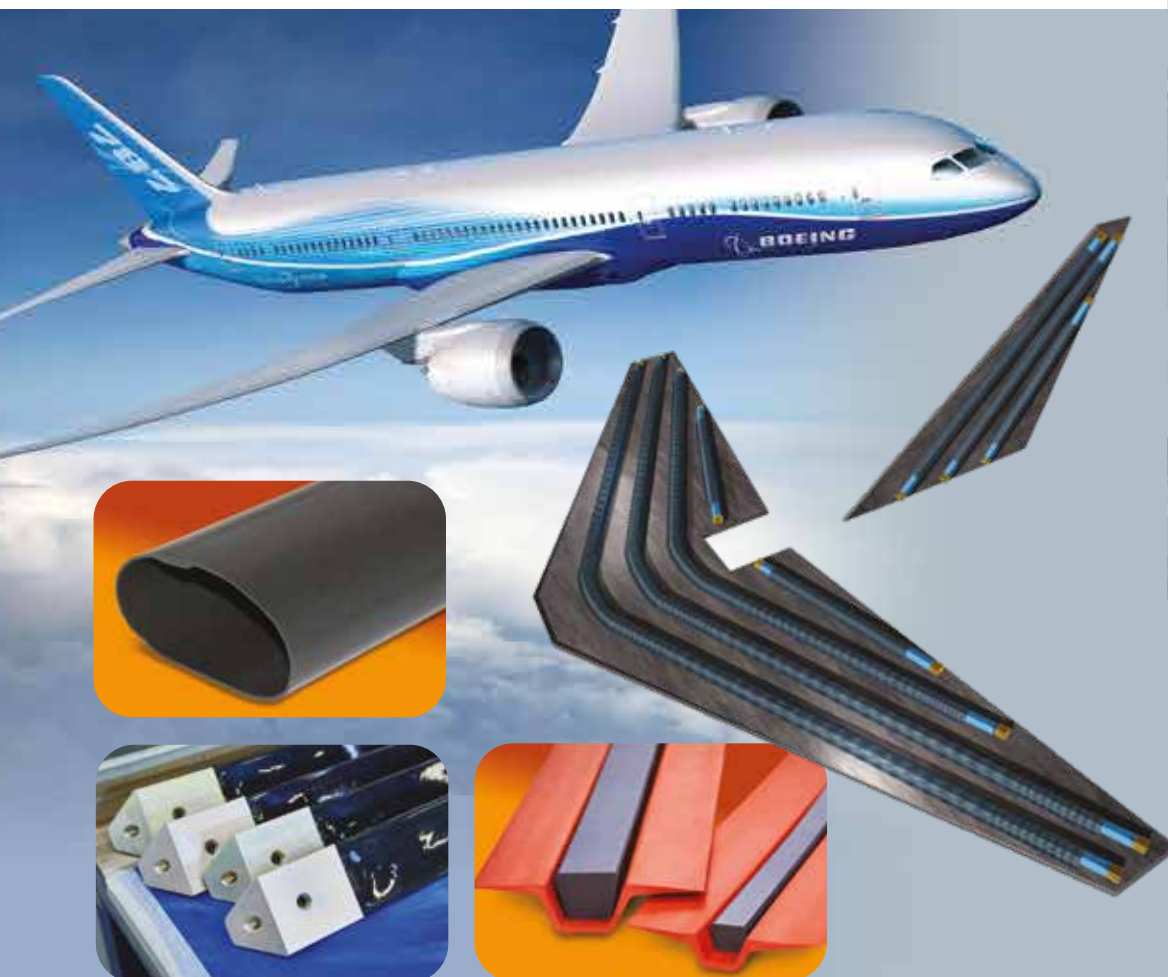
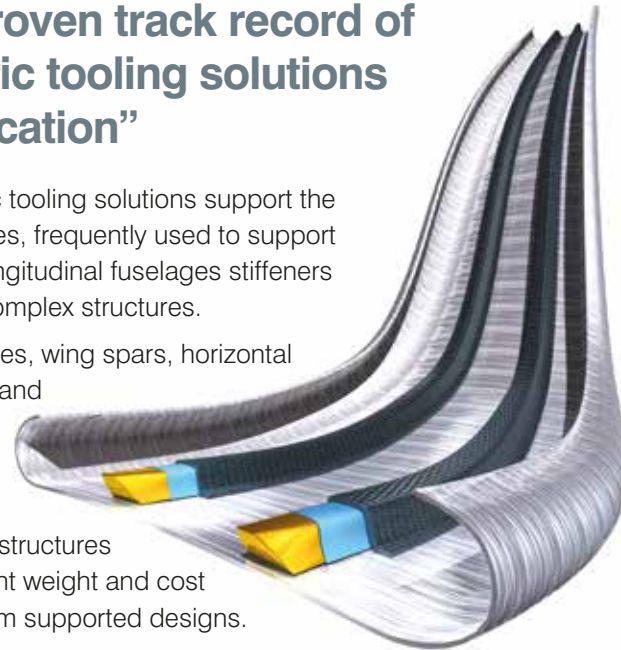


“A history of achievement a future of innovation. Rubbercraft has a proven track record of supplying elastomeric tooling solutions for composites fabrication”

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

