



R.S. Hughes knows that navigating through the vast network of products within the aerospace industry can be a challenge.

That's why we bring together a broad range of product offerings to guide buyers in this space. Whether you're an engineer focused on moving your company's product solutions to the next level of performance and safety, or you're on the field keeping equipment operating at the highest standards, **look to R.S. Hughes as a partner for your success.** **(AS9100 certified distributor)**

Backed by products from the industries leading manufactures such as **3M, Henkel, Momenive, Kimberly-Clark, Brady** and many more. Choose R.S. Hughes for results based solutions



Converting Services

From concept to manufacturing, Saunders works with you to deliver innovative and cost effective products.



Slitting

Slitting creates rolls by cutting down wider rolls to narrower widths. Depending on the material, widths of 1/16" or narrower can be achieved.



Sheeting & Cut to Length

Sheeting cuts adhesives and other flexible materials to any conceivable square or rectangular shape commonly with no tooling expense.



Laminating

Laminating is the process of bonding multiple substrates together to achieve improved strength, stability and appearance.



Flexographic Printing

Flexographic Printing uses cylinders, raised rubber plates, and ink to create custom branding, printed liners, and messaging on various substrates.



Die Cutting & Kiss Cutting

Die Cutting creates custom individual shapes. Kiss Cutting leaves custom shapes on a carrier liner so parts are supplied in roll or sheet format.



Rewinding

Rewinding creates custom length rolls at desired widths and diameters that can reduce material changeover and eliminate waste.



Kitting & Assembling

Kitting is a value added service to package various components to create a unique part set. We also offer product assembly options.



Laser Cutting

Laser Cutting is a great option for creating intricate shapes out of challenging materials and allows for fast turnarounds with no tooling.



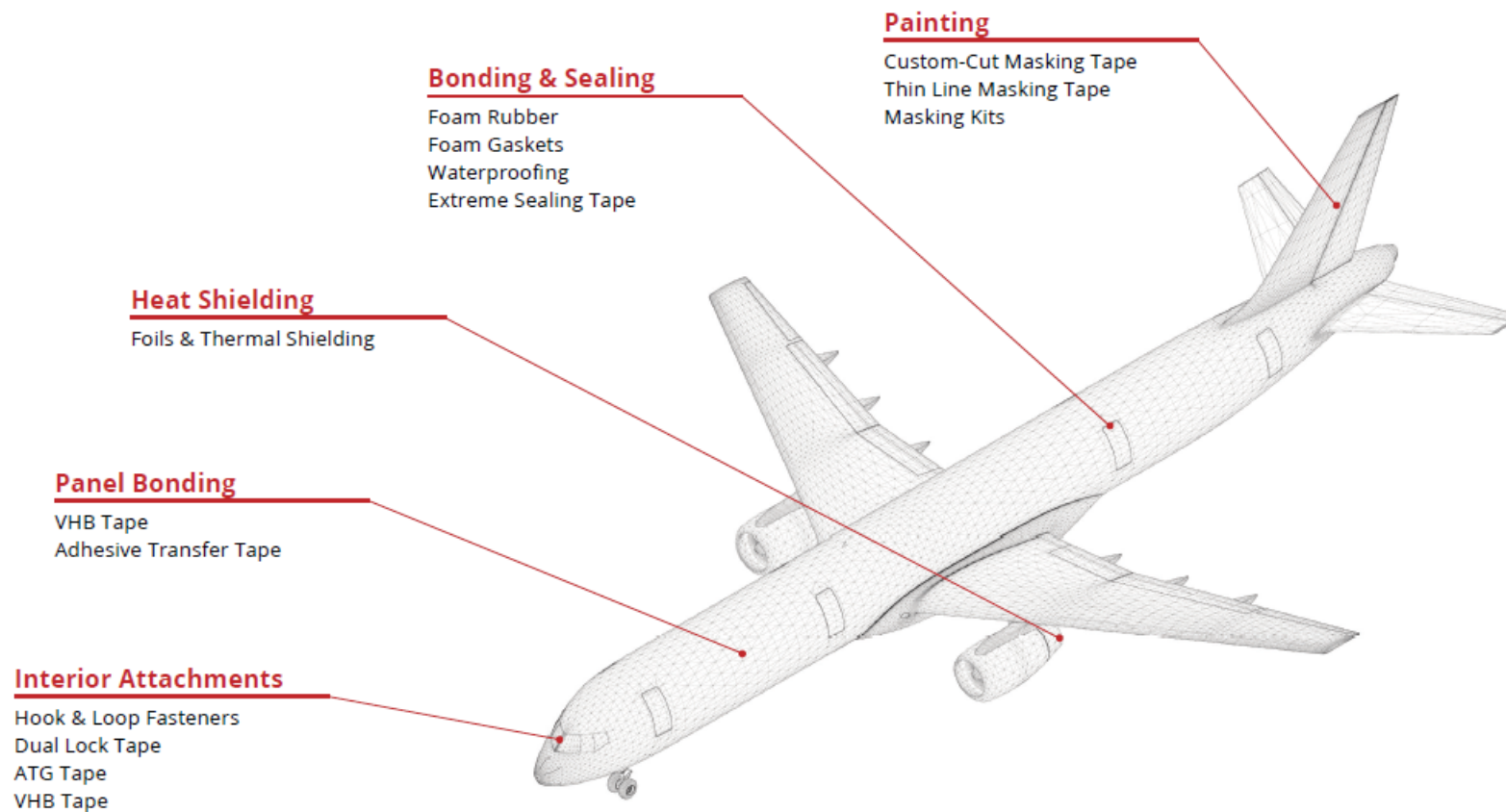
Digital Cutting

Digital Cutting uses blades to convert substrates with tight tolerances. It is a great solution for large format parts and is excellent for prototyping.

Tape Applications for Aerospace

Saunders offers a wide range of tapes, films, and foams for a variety of applications for plane and train manufacturers. These solutions include: Surface protection, product mounting, wire harnessing, and more.

- Anti-slip
- Cable harnessing
- Floor marking
- Labeling or marking
- Insulating
- Masking and pin striping
- Product mounting
- Permanent securing of parts
- Protective strips on floors
- Seam sealing
- Securing carpets with removability
- Surface protection of exposed areas
- Temporary surface protection
- Vibration and noise dampening



3M Aerospace Solutions- Interiors



Cabin Structures

Our full range of adhesives, compounds and fillers can help you achieve the ultimate balance of weight, strength and aesthetic appeal in aircraft cabin design.



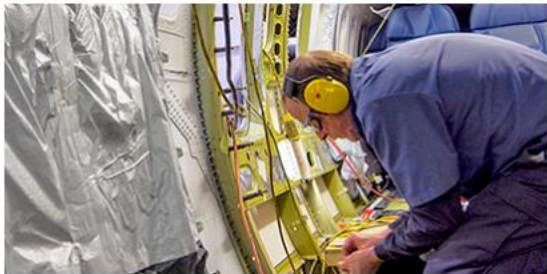
Cabin Protection

3M polyurethane protection tapes and films enhance corrosion resistance and protect interior components while meeting exacting design and aircraft specifications.



Seating

Learn about 3M solutions for composite first-class aircraft seating structures, thermoplastic tray tables, fabric bonding, reclosable attachment and more.

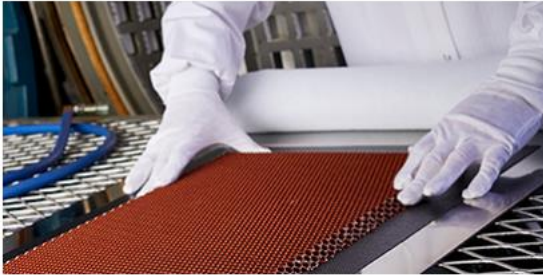


Thermal Acoustics Systems

Advanced materials improve passenger comfort and the reliable operation of aircraft components.

With the right solutions, every challenge in aircraft interiors – every void, every bracket, every veneer and every monument – becomes an opportunity.

3M Aerospace Solutions- Structures



Composite Parts

3M delivers complete integrated solutions for fabricating, bonding and protecting composite structures to meet exacting aircraft design requirements.



Metal Parts

Partner with 3M - an aerospace company deeply rooted in metal fabrication, preparation, protection and bonding. Learn more about our solutions.

Optimizing designs, meeting stringent build-to-print requirements and cutting weight are just the start to truly setting you apart. Explore 3M aircraft structural solutions now.

3M Aerospace Solutions- Engines



Fan/ Compression

Protecting aircraft engine components from forces like erosion and temperature is just the start. Find out more about 3M cold-side aircraft engine solutions.



Structure Nacelle

Our deep expertise in surfacing and surface protection can make your aircraft nacelle designs durable, lightweight and efficient to produce. Learn more.

Fabricating and bonding to composites, high-temp adhesive films, surface protection...3M has invented and reinvented in key areas of aircraft engine design and integration.

3M Aerospace Solutions-Assembly & Completion



Painting

From stripping to final touch-ups, 3M aircraft painting and paint removal solutions can save time, expense and rework all the way through the process.



Interior Assembly

When solutions for interior sealing, acoustics and corrosion protection arrive with efficiency built in, you gain a true advantage in aircraft assembly. [Learn more.](#)



Structural Assembly

The adhesion, sealing and protection solutions that 3M delivers for aircraft structural assembly have something extra built in: efficiency, and peace of mind. [Learn more.](#)

When it all comes together, let 3M help ensure it bonds efficiently and stays that way with a full range of sealing and surface protection solutions.

3M MRO



Abrasives

Engineered to last longer, 3M's diverse and distinct family of abrasives help return surfaces to their original state.



Aircraft Painting

Achieve a clean and smooth surface to apply paint and decorative livery with a breadth of 3M™ aircraft painting solutions.



Cleaning

Prevent corrosion and inspire confidence with an extensive offering of 3M™ products that will help you clean surfaces inside and out.



Composite Repair

To ensure the strongest and longest lasting bond, rely on 3M and our vast offering of tapes, abrasives and adhesives designed for composite maintenance.



Corrosion Management

Preventing and removal of corrosion is critical to ensuring the long-term viability of an aircraft. Rely on 3M's corrosion management solutions.



Electrical Systems/Maintenance

Protecting electrical systems from the elements ensures critical systems function properly. Trust 3M™ electrical tapes to get the job done.



Engine Overhaul

Engine overhaul is key to prolonging the life of an aircraft and making the aircraft safer to fly. 3M offers excellent solutions for your engine overhaul needs.



Personal Safety

Help protect employees during the heavy check process with 3M products for personal safety. Our robust catalog of personal protective equipment can help your team get the job done safely.

3M MRO



Sealing, Bonding and Joining

Proper sealing of critical aircraft parts and structure ensures effective bonding and joining of nonstructural components. We offer a variety of solutions designed to work in the harshest conditions.



Specialty and Processing Aid Tapes

To deliver maximum efficiency during the heavy check process, rely on 3M™ tapes to ensure parts are properly labeled, protected and processed.



Surface Protection

Make surfaces look better and last longer with 3M. Our category-leading solutions help protect and preserve surfaces on aircraft and in your facility.



Acoustic Solutions for MRO

Industry-leading proprietary materials engineered to control typical in-flight airborne noise and structural vibration over a wide range of temperature environments.

Solutions in every major category to help you get from start to finish.

Aerospace Identification Solutions

Reliable, transparent and easy to use identification solutions

The aerospace industry is complex and global. This means you need reliability, transparency and ease of use when it comes to tracking your components through the teams of suppliers and delivery systems you use every day.

Efficiency savings at all levels

Smart part marking, including RFID part marking, is the answer to the growing need for efficient and error-proof identification and management of aircraft components. The scope of efficiency savings generated is realised at all levels of aircraft manufacturing and assembly, from part creation to customer operations.

Original Equipment Manufacturers:

- electronic part birth records
- improved delivery processes

Airlines:

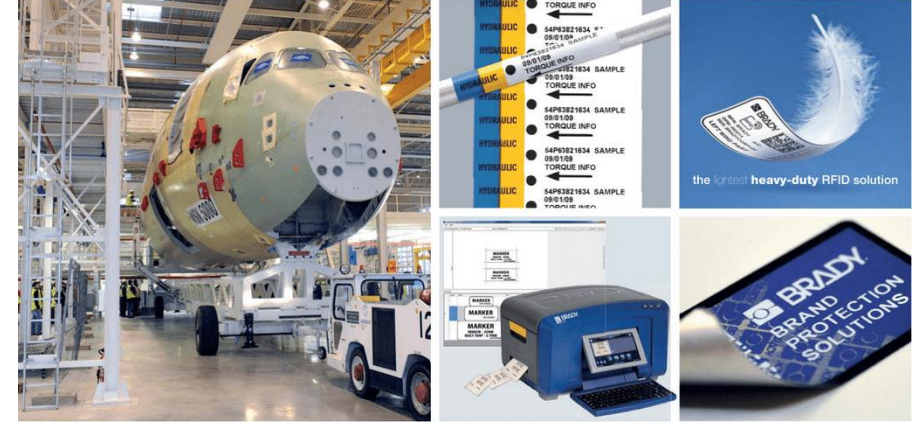
- efficient safety equipment checks
- reliable compliance information

Aircraft manufacturers:

- digitally enabled part information
- streamlined record keeping

Maintenance & operations:

- seamless part maintenance data exchange
- dependable part identification and traceability





Aerospace Identification Solutions

Aircraft tubing identification [-View Compliance-](#)

Brady B-999, B-990 and B-992 Fluid Line Tapes are constructed of a flexible, polyester film. Designed for aircraft tubing identification, these tapes offer exceptional performance, high tensile strength, and are resistant to high temperatures and harsh chemicals like Skydrol®.

Aircraft electrical wire & cable adhesive wrapping [-View Compliance-](#)

Brady B-437, B-642 and B-637 wrap-around label materials are constructed of polyvinyl fluoride (Tedlar®) tape for high chemical resistance, low smoke and toxicity release, and exceptional self-extinguishing properties. Continuous operating temperature: 275°F (135°C).

Aircraft heat shrinkable wire & cable identification [-View Compliance-](#)

Brady B-342, B-344, B-345, B-7642 and B-7646 were designed to meet rigorous aviation flammability, smoke and toxicity requirements. These irradiated, printable heat shrink tubing materials are available in various colors and 2:1 or 3:1 shrink ratios. Temperature range: -95°F to 500°F (-70°C to 260°C).

Aircraft cable bundle identification tags [-View Compliance-](#)

The Brady B-508 Nomex® Tag provides exceptional resistance to heat, solvents and tears, with a -95°F to 265°F (-70°C to 130°C) temperature range. For zero-halogen applications, B-7643 Thermoplastic Polyether-Polyurethane is an option when temperature resistance is not also required.

Wrapor™ wire marking system [-View Compliance-](#)

Increase efficiency at least 5x over with the Brady Wrapor wire marking system. Engineered to automate printing and application of Brady wrapping materials, Wrapor can be used as a standalone system or an integrated production component.

Automated sleeve applicator

Built for durability and the flexibility to match evolving production demands, the Brady BSP®45 Assisted Sleeve Applicator was designed to simplify high-volume sleeve application in any environment. Significantly reduces manual labor through automated sleeve positioning.

Functional & informational labeling solutions [-View Compliance-](#)

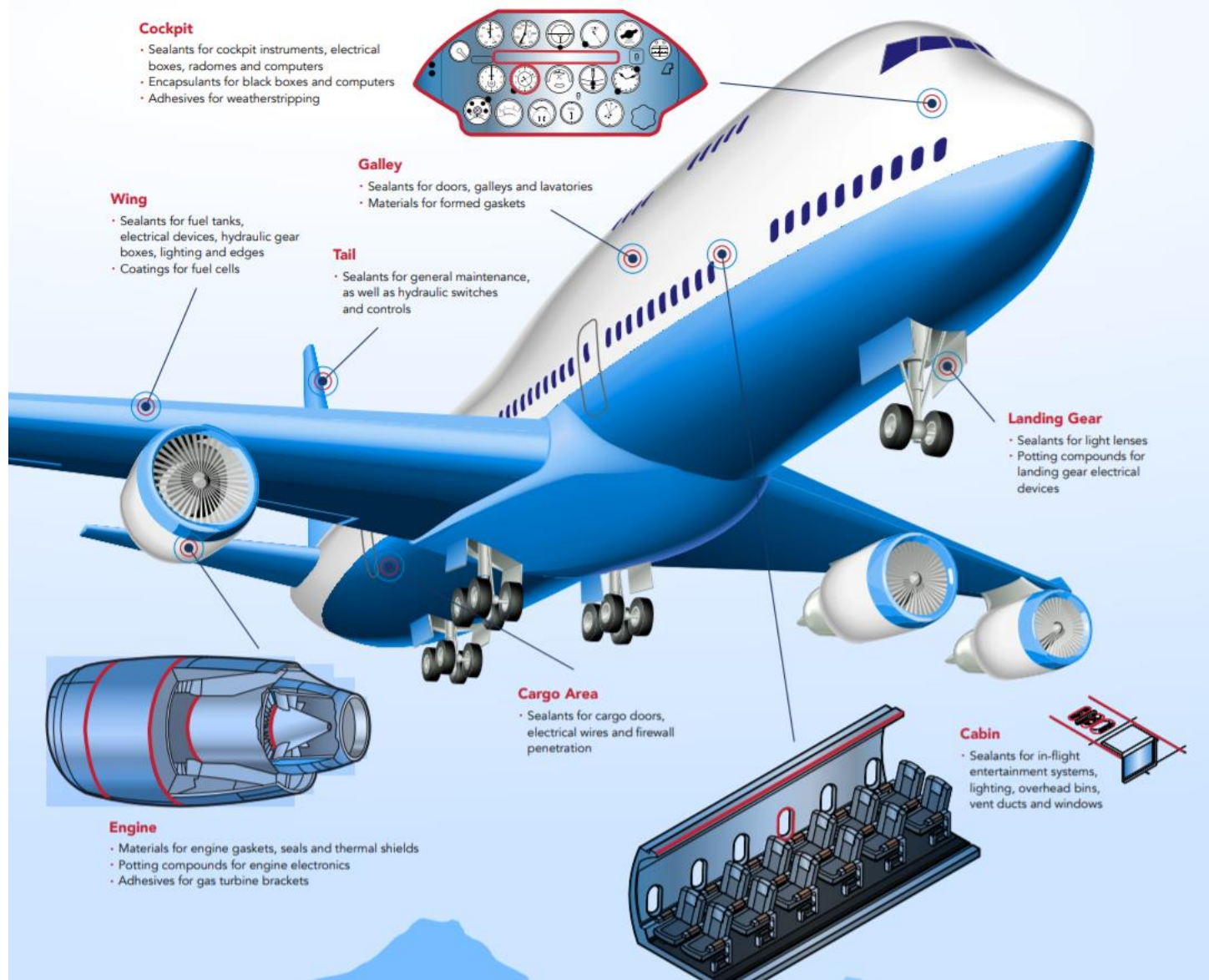
Alongside the in-house capacity to create and prototype new materials, Brady also offers a range of qualified substrates. Brady B-423, B-724, B-428, B-457, B-483, B-489, B-7552, B-787, R4300 and R6000 meet approval on aerospace QPLs. Compliant with Spec 2000 Chapter 9-4 and 9-5.

Metal nameplate alternative [-View Compliance-](#)

Brady B-7593 is a cost-effective metal nameplate alternative and does not require riveting or fasteners, and offers exception imprint and surface resistance. Constructed of print-ready polyester with a double-sided adhesive tape, compressible foam carrier and permanent acrylic adhesive.

Aircraft cabin place cards

Engineered for solvent, water and abrasion resistance, Brady B-141 is constructed of print-ready polyester that to support resilient, multi-colored signs, labels and markings for the internal aircraft cabin.



MOMENTIVE™

For decades, Momentive high-performance silicones have enabled our customers to achieve the impossible – from protecting critical aviation components to helping to make history on every manned U.S. space flight. Whatever your mission, Momentive has the knowledge, experience and vision to help you make it happen.



One-Component, Room-Temperature Cure Adhesives and Sealants

Legacy RTV and FRV adhesive sealants have supported countless applications for thousands of flight hours.



Two-Component, Room-Temperature Cure Adhesives and Sealants

SnapSil* and other RTVs streamline component assembly, maintenance and repairs.



Optical Coupling Agents

InvisiSil* optically clear encapsulants, gels and elastomers enhance display and optical device clarity.



Thermally Conductive Silicone Grease Compounds

SilCool* grease compounds draw heat away from electronics, improving reliability and efficiency.



Thermally Conductive Silicone Adhesives

SilCool adhesives deliver good structural adhesion and low thermal resistance for thermal interfaces.



Potting and Encapsulation Materials

Dielectric materials protect electronics from moisture, contaminants, plus thermal, vibration and mechanical stresses.



Momentive's versatile room-temperature vulcanization (RTV) silicones, adhesives, sealants and more offer excellent temperature performance, dielectric properties and weatherability to support numerous aviation, aerospace and electronics applications.



Tools for the Aerospace Industry

Dynabrade Inc., the worldwide leader in abrasive power tool technology, presents an incredible variety of pneumatic tools for use in the aerospace industry. Providing countless application solutions, these top-quality tools reduce production time as they improve your final product!



Abrasive Belt Tool I



Turbine-Driven
Pencil Grinder



Dynabrade Die Grinder



Right Angle Disc Sander



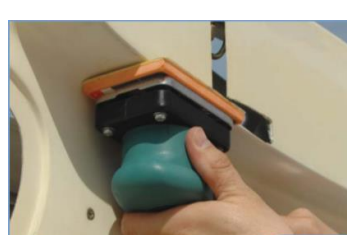
Cut-Off Wheel Tool



Dynastraight®
Finishing Tool



Pistol Grip Drill



Dynabug® II



Dynafine® Detail Sander



Rotary Buffer

APPLICATIONS

Manufacturing

- Finishing of turbine blades
- Turbine radius work
- Blending and finishing of small blades and parts
- Blending of inner curves
- Deburring of aerotubes
- Removal of weld residue
- Large burr removal
- Cast finishing
- Inlet hole deburring

Maintenance & Repair

- Blade repair
- Impellor repair and blending
- Vane repair
- Refurbishing of brake rotors
- Grinding and leveling welds
- Engine repair
- Surface conditioning under lap joints
- Repair of landing gear
- Corrosion removal in hydraulic pipe joints
- Cutting down hard-to-reach rivet backs or heads

3M Aerospace Solutions- Categories



Abrasives



Paints & Coatings



Acrylic Adhesives



Activators, Primers & Etchants



Aerospace Chemicals & Wipes



Aerospace Coatings



Aerospace Tapes



Cleaning Wipes



Dispensers & Application Equipment



Gasket Sealants & Adhesives



Hand Deburring Tools



Personal Protective Equipment (PPE) Apparel



Release Agents



Taps



VHB Tapes