



Solutions
across
every manufacturing process

Introduction

3M Automotive delivers market leading products and cost-saving solutions that allow vehicle manufacturers to improve design, safety, comfort and performance. For more than 100 years, people from all around the world have looked to 3M for products and ideas that solve problems

and make activities more efficient. With three worldwide Automotive R&D centres and experienced local country support, we constantly strive to meet the demands of the industry and deliver innovative new products.

Certified to ISO TS 16949 we develop products and solutions in partnership with our customers to help increase vehicle production efficiency.



Body in White

“Complete structural joining and sealing solutions”

3M Structural Adhesives provide complete structural joining and sealing solutions for vehicle manufacturing. Our range of tapes and adhesives are used to solve complex bonding problems for vehicle manufacturers and tier suppliers. We have developed products allowing us to join a wide range of materials used in vehicle production, from treated steel to aerospace style composites.

Our one and two part adhesives also help to reduce weight and enable impressive vehicle design.

No read-through bonding, increased crash performance and bespoke production line delivery systems are included in our offering.

Some key BiW products are:

- 2-Part Epoxy Structural Adhesive
- Structural adhesive films
- Acrylic Foam Tape
- Melt Sealing Tape
- 2-Part Acrylic and Polyurethane Adhesive
- Abrasives
- Pre-Applied Fastener Adhesives



Paintshop

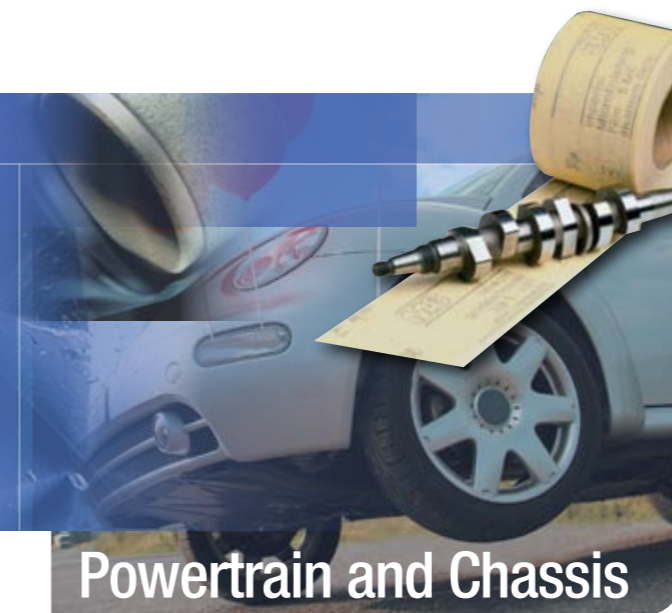
“Create the perfect finish, then protect it”

High quality surface finishes can be achieved using 3M Abrasives and Polishes in BiW and Paintshop areas. Reduce the need for repair work and reduce defects using our complete finishing systems. Vehicle appearance can be enhanced or protected using 3M Paint Protection and Paint Replacement films. These products can be engineered to fit bespoke applications, maximising effectiveness whilst reducing costs:

Some key paintshop products are:

- Abrasives
- Polishes and buffing pads
- Masking tapes and films
- Paint preparation systems
- Wipes and cleaning materials
- Blackout Films
- Paint Protection Films

3M have an extensive range of consumable products which are used in many of the production processes. We have solutions for other manufacturing areas such as coveralls, respiratory protection, safety eyewear and anti-fatigue matting.



Powertrain and Chassis

“Driving innovative solutions”

Protect ceramic catalysts from mechanical and thermal damage with 3M™ Interam™ Mat products. Our range of high temperature adhesives achieve secure bonding in this demanding environment. Our range of fine abrasives can be used to achieve that perfect finish for cam or crank applications.

3M have introduced a new Wheel Balancing Weights system. Get the precise weight you require from an easy to use system using 3M attachment technology. This system also helps to reduce inventory levels and can lower the total cost of application.

Some key powertrain and chassis products are:

- 3M™ Interam™ Mat
- Wheel Balancing Weights
- High Temperature Adhesive



Assembly

“Specialised solutions for process efficiency”

It's the small things that can make a big difference to speed, quality and cost on the production line. 3M has years of experience in delivering innovative customer solutions to improve production assembly processes. 3M products can help improve the cabin environment and driving experience and help manufacturers improve efficiency during the assembly process.

The 3M specialist range of 3M Acrylic Foam Tapes and Primers can ensure body side mouldings, sills, spoilers and door seals are attached securely and quickly to different paint surfaces and materials. 3M Glass Bubbles can be added to plastic components to reduce weight and improve strength.

Some key interior products are:

- 3M™ Thinsulate™ Acoustic Insulation - potential to reduce weight and cost
- Anti Buzz, Rattle and Squeak products
- Cabin Air Filtration product range
- Interior and Ambient lighting
- Specialist Tapes and Adhesives
- 3M™ Dual Lock™ Reclosable Fasteners

Some key exterior products are:

- Acrylic Foam Tapes and Primers



3M Automotive Services

3M Automotive currently supplies all major vehicle manufacturing plants in the world and many key tier suppliers. Our technical, quality, logistics and customer service teams help to ensure efficient product selection and delivery.

We have laboratories in the UK and across the world and regularly conduct testing and new product development for OEM customers including:

- **tear down tests and optimisation**
- **environmental, accelerated weathering**
- **adhesive strength testing and material fatigue testing**

In order to meet the high demands of our customers we regularly develop products to create bespoke solutions. These include die-cutting and tabbing for improving assembly processes, creating application jigs or re-formulating adhesives to meet new materials or paint systems.

Why 3M?

3M Automotive is committed to providing products and solutions to help customers achieve their business goals including:

- **enabling world class designs**
- **improving process efficiency**
- **reducing costs**
- **reducing weight**
- **gaining a competitive advantage**
- **vehicle differentiation and personalisation**
- **improving occupant comfort and safety**

3M Automotive leverage their wide range of products and technologies to provide solutions across every automotive manufacturing process.

New 3M Automotive Technologies

Tomorrow's technologies. Today.

As customer demands change, so 3M is developing products to help vehicle manufacturers achieve competitive advantages in line with efficient manufacturing processing.

Driver comfort is critical and 3M are developing interior and ambient Light Solutions coupled with improved Acoustic Insulation to create the desired cabin environment.

Increasingly customers wish to personalise their vehicles and 3M have met this demand with our Speciality Trim Parts; a cost effective technology for manufacturing customised interior and exterior trim parts.

New Wheel Balancing weights also offer cost effective and production friendly solutions.

Quality and Logistics

3M Automotive is certified to ISO TS 16949 and our manufacturing plants are ISO 14001 accredited so that we can deliver beyond our customers' expectations.

Our dedicated customer service team ensure that parts are delivered to meet customer requirements. We consistently achieve high supplier performance ratings.

Contact 3M to access tomorrow's ideas and technologies today.



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