

## 3M Health Care

Customer-focused solutions for OEM medical device manufacturers and suppliers



# The Trusted Source

From component selection to market introduction

3M is committed to providing the health care manufacturing community with customised solutions, based on 3M diversified technologies, that help improve your business efficiency.

**3M**

# 3M – a technology company





# Delivering Innovation, Quality, Service, Value & Confidentiality

## The Trusted Source

For over 50 years, 3M has been a leader within Health Care. During that time, our advanced technologies have contributed to the creation of more than 10,000 new Health Care products worldwide. Working in close co-operation at every stage – from initial product concept through to component supply or actual product design – 3M OEM can link various 3M technologies to product applications and offers a carefully selected line of medical grade tapes, coatings and adhesive technologies, semi finished and finished components together with selected bulk supplies of 3M branded products to medical device manufacturing, design and supply industries.

## Supporting you to achieve market success

When it comes to product commercialisation, our expertise in regulatory documentation is second to none. We undertake extensive product testing and provide clinical support packages to enable you to bring your product to market as efficiently and as cost-effectively as possible. What's more, our confidential approach consistently safeguards the integrity of your product development process.

## Partnering with the medical industry

### •••• Innovation

With cutting edge concepts in medical tapes, adhesive technology and speciality components, 3M Health Care offers innovative product characteristics across a wide range of medical applications. In addition, our selection of single-use surgical products is in constant demand from medical kit and procedural pack assemblers worldwide.

### •••• Service

With access to the latest systems in logistics management, our customer service network will provide continuity in forecast and demand control ensuring delivery of your component, when and where you need it.

### •••• Value

We offer solutions, technologies and services to meet your medical device product requirements – from initial component selection right through to final market introduction. As well as in-depth technical and commercial expertise and advice, we offer a complete customisation service. We can supply standard samples and flexible minimum order quantities to help you get your project started and we also provide all the necessary documentary support for regulatory and clinical requirements.

### •••• Quality

We operate to high professional and ethical standards that ensure the quality and consistency of products and technologies. Quality is of paramount importance at our production facilities as is support of our Technical Service in meeting the appropriate safety, clinical and regulatory requirements of our customers. As part of a global organisation renowned for its innovation, quality and service, we can also call on our parent group's Europe-wide technical service and worldwide laboratory resources to further advance your material selection, conversion and manufacturing processes at any time.

### •••• Confidentiality

We believe that absolute confidentiality is critical to maintaining a professional and successful relationship with our clients. You can rely on our dedicated service and process standards to safeguard the integrity of your product during development and manufacture, right through to market release.

3M Health Care is the trusted source for the identification of suitable Health Care technologies to enhance your final product.

# Innovative products for a wide range of applications



## General Surgical and Medical Devices

### Product and function attributes

3M Health Care has a broad experience in the development and production of surgical and medical devices. These can be found in hospitals and clinics around the world, where they have been tried, tested and trusted for years.

3M offers many tape and film components from which to choose when constructing your device - from professional wound care dressings to device attachments to strapping.

Most of our adhesives and tapes are designed to be 'skin friendly' where the devices are attached to patients. Other adhesives and tapes are intended specifically for the construction of a variety of devices made from plastic films, foams, fabrics and treated fabrics.

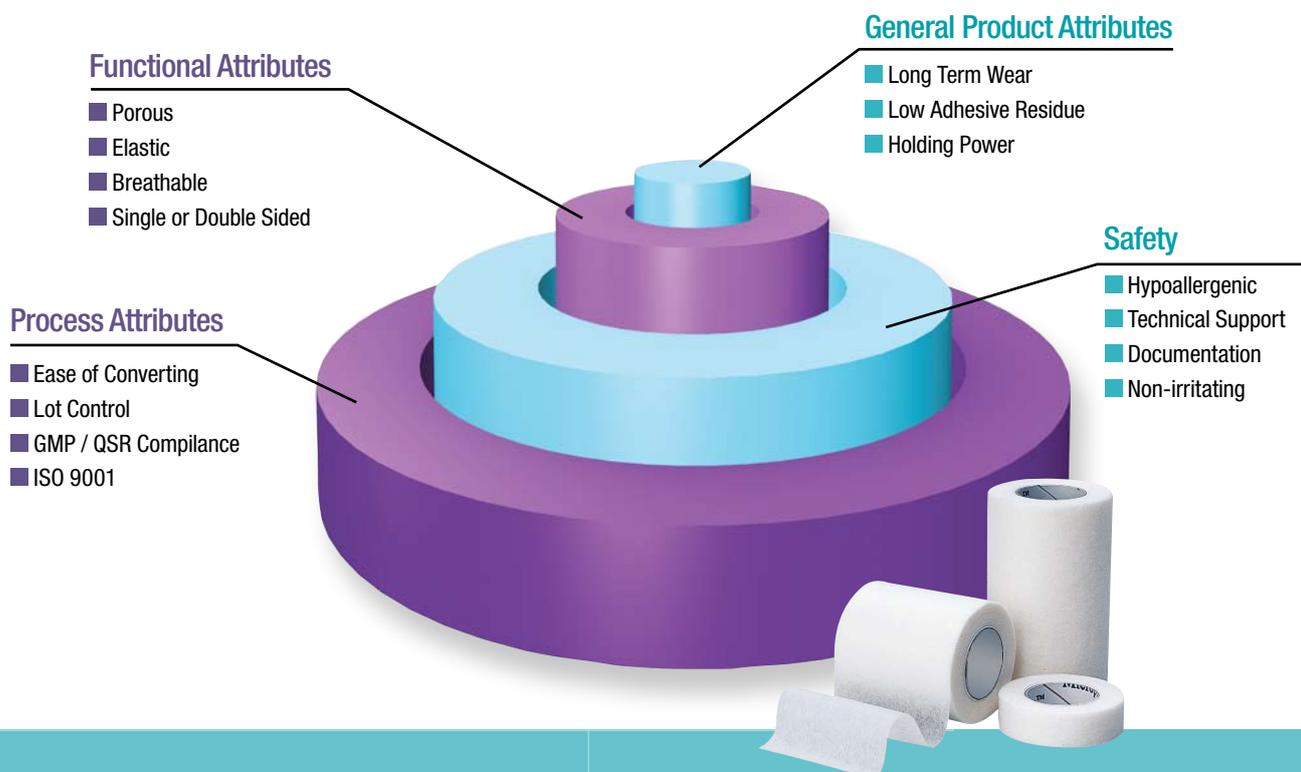
This comprehensive selection includes components for:

- Wound care dressings
- Disposable surgical drapes and gowns
- First aid dressings
- Electrodes
- Ostomy and continence devices
- Personal care and Health Care consumables
- Diagnostics
- Cosmetic and skin care products
- Stick-to-skin solutions

### We talk more than product attributes

By selling the right components for your ideas 3M does not only look at the general product or the functional attributes. Our teams offer you also the safety requirements needed to develop

your medical device. In addition to that we have strong process control which will guarantee stability in your manufacturing process.



Wherever  
you are  
— whatever  
you need



## Customisation and Private Label Solutions

### Specify your own branding or logo

Many of our customers specify that their own branding or logos should appear on the finished product. 3M can offer a wide range of surface printing techniques that will allow you to customise your product as you wish. We can apply your designs to bulk components and semi-finished products, or we can supply a full Private Label service, including both individual unit and bulk packaging.

### Vertical integrations

Our technical capabilities include slitting, die-cutting, laminating and re-winding. We can help you to accelerate or simplify the manufacture of your finished product by converting or customising your selected 3M raw materials prior to delivery. This can also substantially reduce your costs by removing the need for capital investment in additional processing and production equipment, and provide you with a lean supply chain management.



### A global company with local support

With 3M converting module facilities and major distribution centres strategically located across the globe, our customisation capabilities and technologies can be easily and quickly matched to your specific requirements.

All our 3M manufacturing locations are compliant with the latest GMP and ISO standard norms.

Our main production sites are located in:

- China (Shanghai)
- Germany (Kamen)
- Poland (Wroclaw)

- Thailand (Bangkok)
- US (Brookings)





# A single source supplier and trusted partner



## Diagnostic and Bio Analytical Device Components

Typical uses include construction of blood glucose and coagulated lateral test strips. 3M diagnostic tapes are constructed with finely 3M engineered, low profile, selected adhesive systems especially formulated for diagnostic and bio analytical applications that minimise the potential for chemical or optical interference during use or analysis. In addition 3M diagnostic tapes are available with a variety of backing materials, allowing a wide range of flexibility in

matching the right tape to your specific processing and design needs. The 3M hydrophilic range of coated films (typically used for fluid transportation) will provide fast and effective movement of liquid samples through your device. Designed with consistency in film thickness and flow rate, the treated polyester films allow the efficient transport of fluid to the test site, enabling rapid and accurate results.

### Cover Tapes

Designed specifically as seals and laminates for drug discovery and molecular diagnostic tools. Films and adhesives to address evaporation control for micro/nano fluid storage and mixing, films with low autofluorescence that allow for card or plate detection through the seal, adhesives that withstand the chemistries used for molecular diagnostics and drug discovery.

### Integrated Microfluidic Consumables

We take a collaborative approach in which a fully integrated consumable or components can be developed specifically for your application. Our engineers and scientists will collaborate with your technical team to ensure that the best possible solution is realised. Technical solutions including Bio compatible adhesives, films, and microfluidic substrates with low autofluorescence are part of our offering. Adhesives that are compatible with the chemistries and temperature cycling used for molecular diagnostics and drug discovery applications.





## Custom Procedure Kits and Tray Packs

3M products are used by surgeons and health care communities around the world.

3M has always made use of innovative technologies to create a highly advanced range of single-use surgical products designed to deliver the highest levels of performance and reliability.

3M offers a wide variety of innovative, market-leading, branded health care products to enhance the quality of your standard and custom procedure kits and trays.

## Medical Sterilization Specialties

3M Medical Sterilization Specialties (MSS) is a business within 3M Health Care. We recognize that many of our Sterilization assurance products have an application in industrial sterilization. Our business is focused specifically on the needs of Industrial Sterilization customers. As a medical device and pharmaceutical manufacturer ourselves, we have the same rigorous compliance and productivity requirements that drive your business.

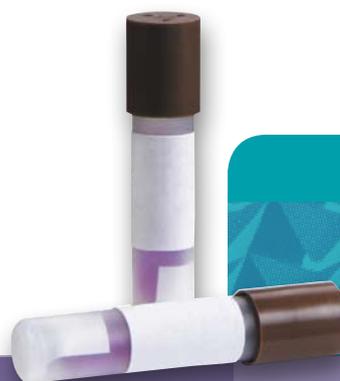
3M Medical Sterilization Specialties has the unparalleled benefit of the wider 3M organization to support our products. Access to state-of-the-art R&D laboratories and Corporate Technology Centre combined with our renowned capabilities in

technical excellence and 3M Innovation, provide a unique blend of skills to bring to the market highly innovative solutions for the health care manufacturing environment.

3M Medical Sterilization Specialties is a global leader in the manufacture and supply of biological and chemical indicators for monitoring sterilization processes.

If you wish to learn more about these products, do not hesitate to contact our local experts.

Handling your  
business  
as if it were  
our own



# Regulatory and Critical Compliance

## Service and safeguards to ensure your success

To save you time, all of our products are extensively tested for their ability to meet appropriate safety, clinical and regulatory requirements. The strength and reputation of 3M's clinical, regulatory and product support documentation is designed to allow you to integrate our raw materials into your final product with maximum efficacy and minimum effort.



- 3M products are supported by:
- Clinical safety data summaries
  - Full product specifications
  - Certificates of conformance (COC)

## Our product Testing reduces your costs and can help get your product to market faster.

To save you time our products have already been tested for safety:



- The test can include:
- Cytotoxicity
  - Primary skin irritation
  - Cumulative skin irritation in humans
  - Repeated insult patch testing in humans
  - Skin adhesion studies
  - Sensitization

All of our products are supported by clinical safety data summaries and full product specifications, together with certificates of conformance.



## Product Listing



Whether you're looking a launch to new product, enhance an existing one or customise the contents of a surgical procedure pack, we can supply all the products, advice and expertise you need. So just give us a call.

### ... Double Coated Tapes and Transfer Adhesives

For Construction purposes - Double coated tapes and transfer adhesives allow you to build custom laminates using a wide variety of materials. We have double coated tapes and transfer adhesives designed for stick-to-skin, stick-to-device, or both types of applications.

A wide variety of choices to provide the adhesion you require as well as to create the desired appearance. Tapes range from breathable to occlusive and gentle to aggressive adhesion in double coated versions.

### ... Single Coated Plastic Tapes

A wide variety of choices to provide the adhesion you require as well as to create the desired appearance. Tapes range from breathable to occlusive and gentle to aggressive adhesion in single coated versions, A wide variety of choices in secural tapes. Many of our tapes can be attached to devices using heat, ultrasonic or radio frequency sealing techniques. Designed for stick-to-skin, stick-to-device, or both types of applications. Printable options are available.

### ... Non-Woven and Woven Tapes

Provide excellent conformability and breathability for extended wear applications or therapeutic devices and are designed for stick-to-skin, stick-to-device, or both types of applications. A wide variety of choices in secural tapes. Many of our tapes can be attached to devices using heat, ultrasonic or radio frequency sealing techniques . Printable options are available to display your own branding.

### ... Hydrocolloid & HydroGel Adhesives

An ideal option in skin friendly attachment is a hydrocolloid adhesive system. These are gentle to the skin over longer wear durations, provide skin hydration, and easily release from the skin. Due to their thickness, they also provide a cushioning effect.

### ... Diagnostic & Bio Analytical Device Tape & Components

Our range of 3M treated film technologies, supported by our finely engineered 'low profile' single and double coated adhesive tapes are specifically designed for inclusion into Diagnostic and Bio-Analytical (Microplate) devices.

### ... Flexfoam Wire Closures

Medical Fastening Systems, Low profile conformable Hook and Loop - gamma stable offering are discrete, secure and simple to use. Flexfoam wire closures, ideal for pouch closure systems, are secure and simple to use, available in two colours and can be customised to length.

### ... Release Liners and Specialty Films

Standard silicone-treated paper release liner. Unique 3M fluoropolymer release coatings on clear polyester film suitably designed to work with silicone adhesive systems.

Innovative  
technology  
you can rely on



## International Locations

### Argentina

3M Argentina S.A.C.I.F.I.A.  
Tel.: 54-11-4339-2400  
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### Brazil

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### Canada

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### Chile

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### New Zealand

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Fax: 511-224-3171

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**Product and Safety Information:** User is solely responsible for determining the suitability of 3M samples and products for the intended use including any necessary safety or toxicity assessment. 3M will provide Material Safety Data Sheets and results of toxicity testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

**Notice:** Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendations to practice any invention covered by any patent, without authority from the owners of this patent.

**Warranty Information:** All statements, technical information and recommendations herein are based on tests 3M believes to be reliable, but the accuracy or completeness thereof is not guaranteed. 3M warrants only that products will meet 3M's specifications at the time of shipment to the customer. 3M does not offer any other warranty and does not warrant the performance, safety or such other characteristics of Products in combination with other materials. 3M specifically DOES NOT warrant Products for any intended or unintended uses (whether or not foreseeable); for compatibility or suitability with other components or compatibility with any methods of manufacture or conversion. The foregoing warranty is made in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability, fitness for a particular purpose and freedom from non-infringement.

**Limitation of Remedies:** If products are proven not to meet 3M's specifications, the sole and exclusive remedy available and 3M's only obligation shall be, at 3M's option, to replace such quantity of Products which are proven out of specification or to refund the purchase price paid for Products.

**Limitations of Liabilities:** The remedies provided herein are exclusive remedies against 3M for any alleged or actual nonconformance to specifications or defect or other failure in products or for 3M's performance of its supply obligations. Under no circumstances is 3M liable for any direct, indirect, incidental, special or consequential damages (including lost profits) in any way related to the product under any theory of law including, but not limited to, negligence and strict liability.

Please visit us at: [www.3m.com/medicalspecialties](http://www.3m.com/medicalspecialties)



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