

# JM

# Manufacturing excellence

Working with customers to secure high performance every time

**Johnson Matthey**  
Inspiring science, enhancing life

# Modern gauze manufacturing processes, producing clean, consistent catalysts

## Situation

A high-performance catalyst gauze is very important to all our customers, and by purchasing a gauze product from Johnson Matthey (JM), customers can be confident of receiving high quality, consistent products every time.

## Quality in manufacture

With all catalyst reactions occurring at the surface of the metal wires, it comes as no surprise that one of the key components to a high performing gauze is cleanliness. JM has developed manufacturing processes which give the cleanest possible surface, which is checked before release to the customer to a tight impurity specification.

Wire structure is a key part of conversion efficiency, and checks are carried out on wire properties throughout the process. Our packs are tailored specifically to customer requirements, selecting from over 50 combinations of alloy and knit structures. To ensure the customer gets the best possible product finish, our knitting and weaving technicians manually check the gauze structure and specification for every customer product.

Fast and efficient manufacturing facilities enable us to offer a rapid delivery service when it matters. Manufacturing operations receive continual investment to ensure we can produce products at the highest rate, and best value for money. We have a reputation for rapid response to emergencies and can produce a catalyst replacement within only 2 working days.

We understand that plants have different loading equipment and site characteristics, and we make every effort to deliver according to customer needs. We can supply gauzes individually, or welded together as pack, depending on your preference. If you have special requirements on the type of former or packaging, please speak to us and our engineering team will be happy to help.



## Case Studies

### Gauze emergency

In a recent example, a customer plant suffered a lightning strike, resulting in contamination being distributed on the gauze surface. JM were able to dispatch new gauzes within 2 working days, and the plant was completely operational within 3 working days.

### Customer delivery

Another customer required a specific loading system, due to the large size of their gauzes. JM designed and manufactured a bespoke former, and helped the customer perform loading trials. The new former is now in regular use and has resulted in a consistent, efficient gauze changeover, with a reduction in health and safety risks.

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For further information on Johnson Matthey, please contact your local sales representative or visit our website.