Materion is a global advanced materials company, dedicated to providing solutions that enable our customers’ technologies and drive their growth. Our business is structured to enhance our ability to provide our customers with innovative best total cost solutions.

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Welcome to Materion Ireland, a division of Materion Corporation. Since our establishment we have provided precision component cleaning and surface treatment to meet the exacting world standards which Medical Device manufacturing companies require. We guarantee high levels of cleanliness and surface finishes. Large and small quantities are given the same high quality service and attention. We clean a vast variety of parts that come in many different shapes and sizes, ranging from implant and surgical components less than a centimetre in length, to critical clean-room parts several metres in length.

**DEGREASING & PASSIVATION**

At Materion we have developed and validated a range of degreasing and passivation methodologies to treat components of various materials. We offer a full range of alkaline and non-alkaline degreasing solutions to ensure oils, lubricants and other contaminants are fully removed from components. Materion conforms to and certifies components to the full range of passivation options outlined in ANSI standards A967 and A380. These include:

- Citric Acid and Nitric Acid based solutions.
- Proprietary Citric Acid solutions with added chelating agents
- Nitric Acid / Sodium Dichromate solutions. Components can have the final clean and packaging carried out in a clean room environment, if required.

**ELECTROPOLISHING**

At Materion we regularly process a wide range of parts in our electro-polishing area; from decorative parts processed for cosmetic reasons, to medical and pharmaceutical components electropolished to provide a smooth surface finish to minimise microbial growth. Materion have experienced technicians on-hand and extensive fixturing available to be able to manage a wide range of part geometries.

**OTHER CHEMICAL AND MECHANICAL TREATMENTS**

Materion have an experienced PhD chemist, engineers and material scientists on staff to match the appropriate chemical treatment to the specific material and application. Current materials routinely processed include common and specialist stainless steels, aluminium and titanium. Typical chemical treatments include pickling, de-rusting and de-rouging. Materion also operate a range of bead & blasting and sand-blasting processes to achieve specific surface finishes, and can also hand-polish components to customer agreed specifications.