

# Advanced Solutions for the Pharmaceutical Sector

## Morgan Advanced Materials

**Morgan Advanced Materials is a global materials engineering company which designs and manufactures a wide range of high specification products with extraordinary properties, across multiple sectors and geographies.**

**From an extensive range of advanced materials we produce components, assemblies and systems that deliver significantly enhanced performance for our customers' products and processes. Our engineered solutions are produced to very high tolerances and many are designed for use in extreme environments.**

**The Company thrives on breakthrough innovation. Our materials scientists and applications engineers work in close collaboration with customers to create outstanding, highly differentiated products that perform more efficiently and reliably to extend MTBF.**

**Morgan Advanced Materials has a global presence with more than 9,000 employees across 50 countries serving specialist markets in the energy, transportation, healthcare, electronics, security and defence, petrochemical and industrial sectors. It is listed on the London Stock Exchange in the engineering sector (ticker MGAM).**

## About our pharmaceutical capabilities

**Morgan products are an integral part of everyday life. Our tribologically superior materials are critical components in a wide range of domestic, industrial, and aerospace mechanical systems of rotating equipment where components are exposed to the effects of friction, erosion, temperature, and corrosion. The quality of our advanced materials is recognized over generations of successful use and our materials are manufactured and supplied worldwide, utilizing our global footprint.**

**Our manufacturing sites are ISO 9001 accredited, and where required ISO 13485 certified, for the production of components for medical applications. We are also AS9100C certified. Leveraging these accreditations and capabilities, and responding to a defined need in the pharmaceutical sector, Morgan has developed a high-duty mating pair material family that is certified to USP Class VI, Chapters <87> and <88>.**

**Morgan continues to develop materials to meet the rapidly expanding demands of these and other technologically advanced markets. Contact our Application Engineering team to discuss your application!**

### Typical applications

- WFI DISTRIBUTION PUMPS
- PURIFIED WATER LOOPS
- COMPOUNDING
- API DEVELOPMENT
- PRODUCT TRANSFER PUMPS
- TABLET COATING PUMPS

### Advantages

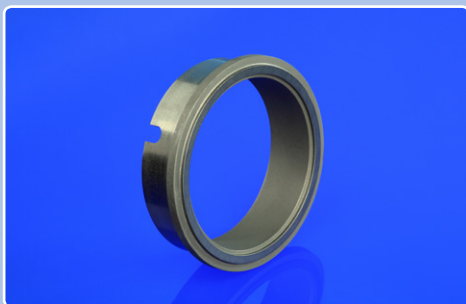
- DEVELOPED TO COMPLY WITH PHARMACEUTICAL AND BIOTECH REQUIREMENTS
- USP CLASS VI, CHAPTERS <87> AND <88> CERTIFIED
- HIGH PERFORMANCE MATERIALS

# INTRODUCING OUR NEW USP CLASS VI APPROVED MATERIALS FOR THE PHARMACEUTICAL MARKET

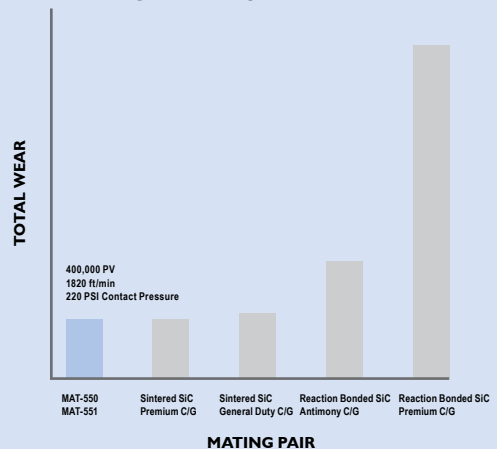


## MAT-550 / MAT-551

Outstanding performance for pharmaceutical applications

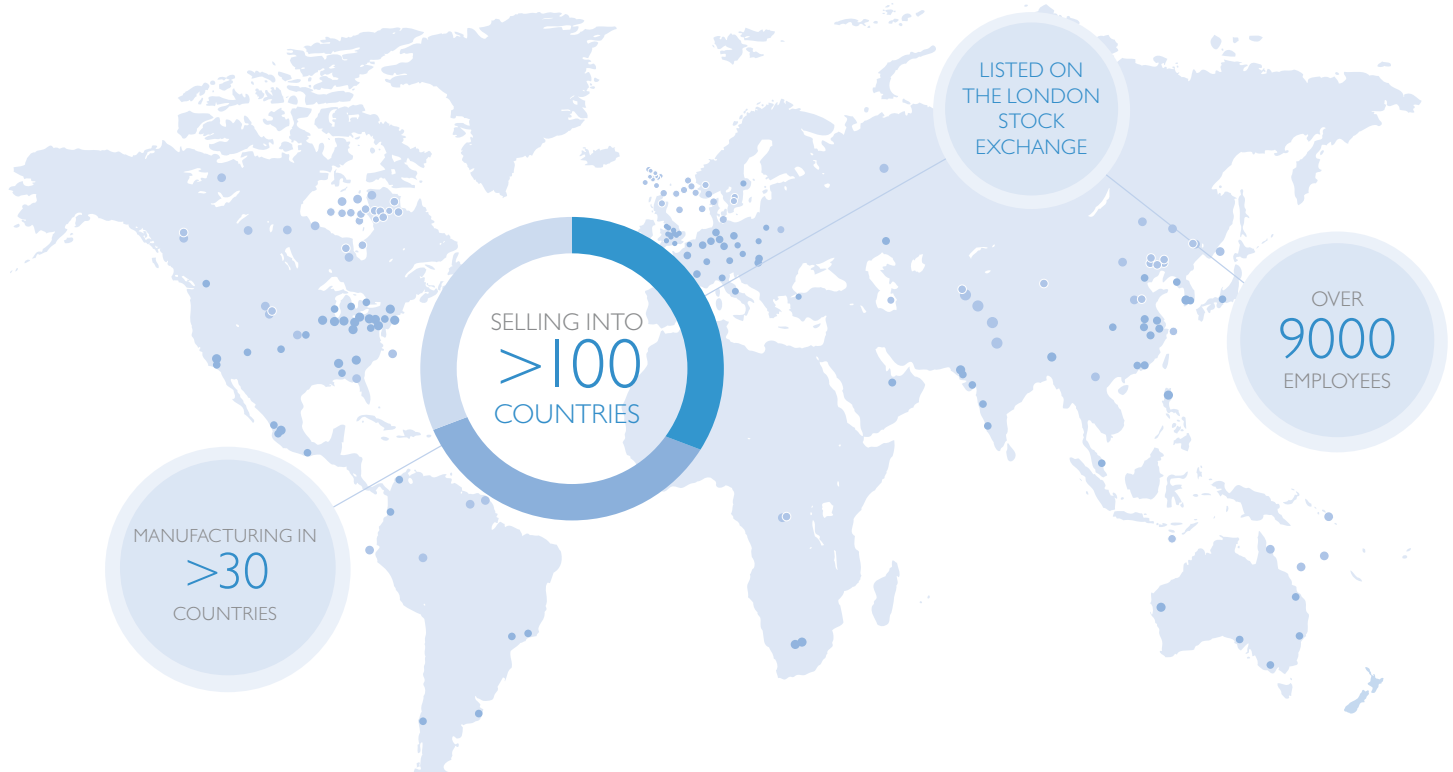


Mating Pair comparison at 400K PV



USP Class VI Certified - Chapter <87> and Chapter <88> - Tested and Approved

MORGAN ADVANCED MATERIALS



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