



“QUALITY AND RELIABILITY ASSURED”.

QUALITY MECHANICAL SEALS

Quality, Design, Manufacture, Materials, Inspection, Assembly provided by Electronic Systemisation of Product Specification and Supply, are critical to the Mechanical Seal's Capability, performance and life. Vulcan fully understands the true meaning and importance of Quality and have long practiced the principle of Total Product and Supply Quality, through a dedication to installing built-in reliability and quality into every aspect of our company. Electronic production, inspection and process control is integral to every area of our production and logistics. The foundation for this Total Quality Philosophy is our focus upon investment in and development of world class manufacturing facilities, electronic processes and our Design, Technical and Material Standards.

RELIABLE PRODUCT

There are many alternative mechanical seal suppliers around the world. At first sight, their product may look similar but often lacks the many vital aspects which go to make a Quality Mechanical Seal. Failures in supply, fitting or operation can often result. The key is surety, safety, reliability and the resultant seal capability, performance and life. We pride ourselves on being The Most Cost Competitive, Lowest Total Cost Provider of Quality Mechanical Seals.

Vulcan welcomes visitors to view all of our production and distribution facilities, to see for yourselves the Total Quality and Customer Satisfaction Policy, which is central to our success.

LASER MARKING

Reliable identification of product is useful and can add to seal quality and reliability. Vulcan has invested in, high specification and cost, laser etching machines to mark both elastomer and Stainless Steel components. We provide this as a service to individual customer contract specification and are increasing it's use throughout our product range.

IN HOUSE PRODUCTION OF QUALITY MATERIALS

Vulcan are the world's most vertically integrated mechanical seal manufacturer. This has naturally followed from our policy and dedication to specifying optimum material standards. Then developing our in-house manufacture of these materials and subsequent components.

As a result, not only is every Vulcan Standard Mechanical Seal solely produced in our own Vulcan factories but also practically all of our component parts and materials. We consider material manufacture and development to be fundamental to the quality, performance, reliability and economy of our mechanical seals.

SINTERED SILICON CARBIDE MANUFACTURING

Vulcan have for over a decade manufactured Reaction Bonded Silicon Carbide for use within our seals. In 2004, following agreement with a global manufacturer and supplier of Carbides, Vulcan purchased an entire Silicon Carbide production plant, as part of a purchase, installation and technology swap and supply agreement.

As is our practice, we then rapidly developed this plant and facility, adding equipment such as new more efficient furnaces, isostatic presses, over forty CNC internal and external grinders, and a test and electronic inspection facility. We also subsequently opened and developed the in-house expertise and infrastructure to manufacture our own raw material, Sintered Silicon Carbide powder.

Our goals in these developments is not just to become a manufacturer and supplier of Silicon Carbide components but to incorporate the optimum quality materials, reliability and cost control into our mechanical seals.

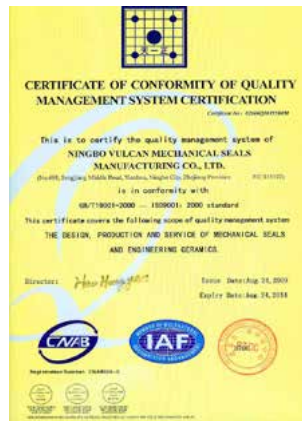
Note;

Please note that constantly developing legislation and Vulcan practices, may affect the advice given in this brochure. All of the information supplied within is given in good faith and in Vulcan's best judgment and is meant for guidance purposes only. We make no warranty that any Vulcan part will perform satisfactorily in a given application and would strongly recommend an independent evaluation prior to acceptance. Vulcan reserves the right to amend all statements, dimensions and technical data without prior notice.

'IN-HOUSE' QUALITY ASSURED

All Vulcan Mechanical Seals are manufactured in Vulcan's advanced factories, as are practically all our components and materials. We are highly vertically integrated with consequent close control of our production, costs, quality and logistics.

NB Vulcan Mechanical Seals Manufacturing Company Limited is certified to ISO 9001.2008 and our world-wide distribution centres to ISO 9001.2008. Modern, increasingly automated, machinery is utilised to produce our designs, via carefully controlled, advanced management and production procedures. Each stage of production, assembly and inspection, is governed by electronically documented and managed, extensive and intensive, Inspection Systems and Forms.



VULCAN® QUALITY SERVICE

Our Mechanical Seal programme is designed to be totally responsive to all customer requirements. A vast array of types, sizes and materials are held in computer automated stock to enable same day despatch. The seals have been designed for maximum technical efficiency and reliable use. All product and any conceivable information required is provided on our Web Portal.

All components are inspected before supply. Vulcan work to established Quality Control Procedures and the company system, is approved to ISO 9001.2008. Vulcan operate a company T.Q.M. Programme to constantly monitor and improve performance.

Our policy of total customer service is further enhanced by the widest range and largest stock of seals in the market, essentially all Guaranteed Ex-Stock, plus an extensive network of distributors.

VULCAN'S POLICY IS A CONTINUOUS COMMITMENT TO DEVELOPING OUR PRODUCTION, INSPECTION, PRODUCT, PROCESS AND MATERIALS CAPABILITIES, THEN INTEGRATING THESE WITHIN OUR ELECTRONIC SYSTEMS AND LOGISTICS.