

# GENERAL SEAL

EXCELLENCE IN ENGINEERED SEALING SYSTEMS  
*...since 1980!*



ISO  
**9001:2000**  
CERTIFIED COMPANY

 **GENERAL SEAL**  
COMPANY PVT LTD

GENERAL SEAL

## The Company

General Seal is one of the largest manufacturers of Mechanical Sealing Systems for Marine, Off-shore and Industrial applications. Established in 1980, the company's 8400 sq.ft. manufacturing facility bristles with state-of-the-art machinery and equipment from the best sources worldwide.



Over the years, the company has vigorously pursued a policy of continuous reinvestment in plant and machinery and infrastructural facilities. This constant drive for modernisation and upgradation has enabled the company to maintain a position of unsurpassed pre-eminence in the field of seal making.

Combining the pursuit of engineering excellence with a neversay-die customer service has enabled the company establish synergic rapport with customers worldwide.

## The Hardware

The company's manufacturing facility incorporates a great many advanced CNC & VMC machinery, exclusively devoted to mechanical seals manufacturing. Among these is the captive Advanced High Energy Plasma Thermal Spraying facility with 80 kW Mach-II ratings for production of super-coatings for wear-resistant surfaces. The 250-mm CNC Chucker with advanced computer control represents one of the heaviest production machines exclusively devoted to seal making. The Hydraulic Universal Cylindrical Grinder too represents one of the biggest machines in the business, capable of giving accuracies to within 1-2 microns. The large Flat-lapping machine with pneumatic loading, water-cooled lap plate and self-correcting flatness device helps produce accurately finished flat surfaces, fast. The Micro plasma Welding machinery enables manufacture of metal bellow seals for high temperature application.

## The Technology

Right from the start, the design, manufacturing and quality inspection parameters are optimised to deliver significantly enhanced customer satisfaction beyond today's standards.

The computerised design and drafting system incorporates the latest CAD software for accurate setting up of design parameters. This enables upgrading of designs even in cases where customer-specified seals are to be manufactured, enabling real improvement in quality and performance over the original OEM product.

The company sources its raw material from the best manufacturers world-wide. Rigid testing and inspection procedures on raw material and goods-in-process with on-line quality compliance checks on 100% of the components are designed to assure that the customers receive a product of the highest international standards.

## The Quality

Continuous investments in production and quality measurement, inspection and testing



equipment every year assures complete conformance to the Quality standards set by ISO 9001:2000. All measurement equipment are calibrated in house on industry-standard calibration instruments of world fame. Frequent renewal of measuring equipment and an active programme of re-calibration of Calibrating Equipment themselves on due dates is carried out with utmost dedication so that no scope is left for doubt as to the product's technical integrity. A major feature is the traceability of finished goods to original stock sources which helps in analysis of seal breakdowns.

## The Commitment

The success of an enterprise hinges on basic customer satisfaction. From the inception, our effort has been to meet the customer's requirements of standardisation, avoidance of multiplicity of seal designs, simplification of the complex world of seal handling, rapid delivery of goods and services, and economic pricing.

Backed by our impressive array of manufacturing facilities, we have ensured delivery of complete systems of complex seals from the design to the despatch stage in incredibly short periods. When customers need critically urgent deliveries, we are there on schedule, without fail, every time. Such total commitment to customer's cause has been well repaid by the near-total loyalty of our customers.

## The Range

The company makes diverse ranges of single and double unbalanced, balanced and cartridge seals, having features unmatched by the competition. Besides, a special range of seals specifically developed as per customer requirements testify to our unwavering commitment to satisfy customer needs. These tailor-made designs incorporate many advances and innovations over the originals and outlast these originals by many times over, without compromising performance or cost effectiveness.

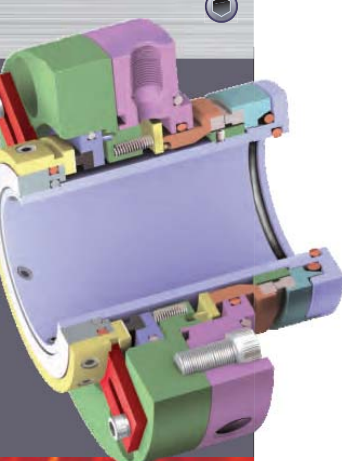
## The Service

We have a highly developed customer interaction programme that aims to keep customer's equipment on-line on-demand. All seals reaching the customer are designed to provide thousands of hours of trouble-free service. We have a crack team of highly experienced engineers with decades of accumulated actual hands-on experience in maintenance of rotating equipment with special emphasis on sealing systems. We assist in trouble-shooting of seal breakdowns and provide authoritative advise on remedial action. We coordinate with maintenance staff of our customers to guide and supervise correct seal installation during maintenance schedules.

We impart training to customer staff on the nuances of seal handling and installation which helps extend seal life beyond the next planned PMS cycle.

The concepts of sealing technology are working well in practice.

We make good seals, users call them the best.



# Our Infrastructure



11-KW CNC Lathe for rapid Production of seal components



Autocad - based design / drafting facility



20 HP CNC chucker for heavy stock removal



State- of- the- art facility for Metal Bellow Seals welding



20 HP, 4 Axis Vertical Machining centre for complex milling / drilling operations



Advanced High-energy Plasma -Thermal spray system for production of wear - resistant coatings



Universal Hydraulic Cylindrical Grinder with Diamond wheels to machine hard seal components



Administration office



OUR SEALS HAVE BEEN PROUD EXHIBITS IN REPUTED INTERNATIONAL EXPOS

 <b>CHEMTECH</b> <small>WORLD EXPO 2000</small>	 <b>defexpo</b> <small>DELHI 2002</small>	 <b>SMM</b> <small>SHIPBUILDING, MACHINERY &amp; MARINE TECHNOLOGY INTERNATIONAL TRADE FAIR HAMBURG - 2002</small>	 <b>MIDDLE EAST CHEMTEX</b> <small>2003</small> <small>Special Focus on: Power Generation, O &amp; M, T &amp; D and Electricals</small>
Bombay - 2000	Delhi - 2002	Hamburg - 2002	Dubai - 2003

 <b>ACHEMEX</b> <small>19-24.5.2003</small>	 <b>ACHEMEX</b> <small>15-19 May 2006</small>
Frankfurt - 2003	Frankfurt - 2006

# GENERAL SEAL



C-01 / V-04 / Y-07

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*...since 1980!*

PLOT NO. D-29/10, MIDC-TTC INDUSTRIAL AREA, NEAR TURBHE TELEPHONE EXCHANGE,  
 NEW MUMBAI - 400 705, INDIA.  
 TEL.: (22) 27672687, 27686662, 27634265, 27634129, FAX.: 91-22-27632839, 27610380  
 Email : info@generalseals.com Website: www.generalseals.com