



severe service ball valves
custom designs
repairs & modifications



Custom Severe Service Valve Solutions

ABOUT US

We provide custom engineered valve solutions for severe service processes. Our selection of severe service ball valves can be custom engineered for your application. Our severe service product line is manufactured in-house. They are not cast, but machined out of forged bar.

VALVE SOLUTIONS:

- CUSTOM VALVES
- REPAIRS
- MODIFICATIONS
- TESTING



CUSTOM ENGINEERED QUALITY

We customize severe service ball valves to suit any unique application. The durability and reliability of our products have been proven in some of the harshest slurry and chemical environments on earth.

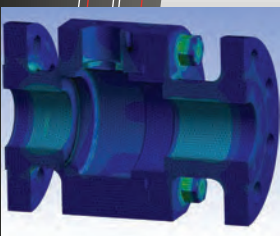
PRODUCT LINE:

- Nevada Slurry Valve
- 3-Pc Ball Valve
- Econo-Line Metal Seated Valve
- High Pressure Valve



SERVICES

- We service new and used valves
- Hydrostatic & Pneumatic Pressure Testing
- Oxygen Service Cleaning
- On-site/Off-site Installation Support
- On-site/Off-site Troubleshooting
- Valve Disassembly, Analysis, Repair, and Rebuild
- Actuation system mounting/installation
- CNC & Manual Machining
- Grinding
- Thermal Spray Coatings
- Lab Analysis of Coatings
- Non Destructive Testing
- FEA can be provided for existing or new valves





APPLICATIONS

Our severe service valves will satisfy your unique needs. We have proven applications in Autoclave Operations, Mining and Chemical plants.

QUALITY CONTROL/QUALITY ASSURANCE

Our 5 in-house inspection specialists measure the quality of our work throughout the manufacturing process, as well as final product testing.



ASNT NON DESTRUCTIVE TESTING

MAG-PARTICLE MT TESTING

ULTRA-SONIC UT TESTING

LIQUID PENETRANT LP TESTING

METALLURGICAL LABORATORY

One of our strengths is our in-house metallurgical laboratory which we use for research & development, quality control and failure analysis of thermal spray coatings. The coated ball, seat and other components in our valves are their unique advantage. We pride ourselves in supplying the highest quality coatings in the industry and our laboratory ensures the quality and consistency of those coatings.

Thermal Spray Powders

Apparent Density ASTM B212

Flow Rate ASTM B213

Sieve Analysis ASTM B214

Hardness

Knoop & Vickers (ASTM E384)

Rockwell (B and C) ASTM E18

Thermal Spray Coatings

Adhesion ASTM C633; QSLP 01

Area Percentage Porosity ASTM E2109; QSLP 03

Metallographic Preparation ASTM E1920

Bondline Contamination QSLP 05

Coating Thickness ASTM B487

Shear Strength Tensile Test

Taber Abrasion Testing ASTM F1978, 18508-1

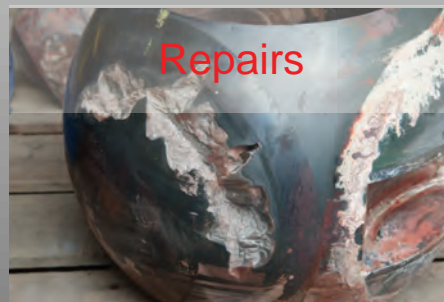
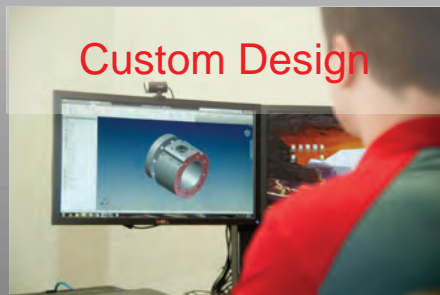


SEVERE SERVICE BALL VALVES CUSTOM DESIGNS, REPAIRS & MODIFICATIONS



Custom Design, Repairs & Modifications

We understand our customers' precise needs and strict deadlines. That's why our valve specialists provide an array of services from custom designs to modifications and repairs. From raw metal to finished product our products are manufactured in-house.



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