



# KLINGER Valve Reconditioning



Your partner in optimizing your performance.



KLINGER Mzansi's Valve Reconditioning facility is fully equipped to repair and/or recondition most makes, types and sizes of industrial valves, including safety valves, using skills and experience acquired over many years.

Valves are a key component for the efficient operation of most industrial processes.

## OUR CUSTOMERS ARE LOOKING FOR QUALITY, FLEXIBILITY AVAILABILITY, AND COST SAVING - WE ARE DEDICATED TO EXCEED YOUR EXPECTATIONS.

- » 90% of valves consigned to the 'graveyard' or considered non-repairable, can be repaired economically;
- » Savings in excess of 60% can be achieved compared to the cost of new valves;
- » Reconditioned valves can eliminate or significantly reduce modifications to expensive pipe work;
- » Delivery is possible very quickly, often in days, rather than weeks;
- » Valuable time and significant costs can be saved during plant shutdown and maintenance.

Most work is carried out in our workshop or can be arranged on-site. Our workshop located in Sasolburg, Free State, and is certified according to the standards of ISO 9001-0044904.

The refurbishing of valves is performed in our dedicated and fully equipped workshop, enabling us to calibrate and recertify valves.



THE PROCESS	THE SERVICES OFFERED	THE BENEFITS
1) Identification	<ul style="list-style-type: none"> <li>• Valve refurbishment – gate, globe, ball, butterfly, needle, non-return, diaphragm, cock, pinch, knife gate etc.</li> </ul>	Time/Cost Ratio – Increased valve lifespan and cost-saving
2) Sandblasting	<ul style="list-style-type: none"> <li>• Safety relief valve refurbishment</li> </ul>	Maintenance plans, retainers, management systems and consulting
3) Stripping	<ul style="list-style-type: none"> <li>• Level gauge refurbishment</li> </ul>	Traceability and record-keeping at KLINGER Mzansi
4) Inspection	<ul style="list-style-type: none"> <li>• Pressure testing</li> </ul>	Certification
5) Lap and repair	<ul style="list-style-type: none"> <li>• On-site valve inspection and services</li> </ul>	115 years of combined valve reconditioning experience and expertise
6) Assemble	<ul style="list-style-type: none"> <li>• Collection and delivery services</li> </ul>	Saving downtime and turnaround time as per client's request and needs
7) Pressure test		Emergency turnaround arrangements
8) Paint		Shutdown support, planning and inspections
9) QC Inspection complete with data pack		Tailored packages and solutions
10) Release to client		Nationwide service offering
11) Follow-up call		Workmanship guarantee of 12 months

GLOBAL LEADER

LOCAL PARTNER



# KLINGER ON-SITE VALVE RECONDITIONING

Leading processors want their valve testing and repair services on-site and on-demand. KLINGER's mobile workshops are fully equipped to repair and/or recondition most makes, types and sizes of industrial valves, including safety valves, using skills and experience acquired over many years.

## READY WHERE EVER YOU ARE!

- » KLINGER offers on-site repair services for all types of valves from any manufacturer.
- » By bringing this service to you we can offer a quick turnaround, cost efficiency and minimize the impact on project scheduling and equipment.
- » Reducing your downtime and maximizing the efficiency of your shuts.

Our Mobile Valve Reconditioning Workshop set-up includes:

- » Test bench clamping system
- » Work stations for valve assembly and disassembly
- » Computer registration system
- » Low/high pressure air compressor station with storage system
- » Jib crane (500kg)
- » Tool room metal turning lathe with D.R.O
- » Portable machines for grinding and lapping
- » Office desk and small workbench
- » Large tool and component storage shelves
- » Documentation cupboards
- » All necessary accessories
- » Electrical installation
- » 33 Square metres working space

**Our capabilities include in-house or on-site repair, service and testing of pressure relief valves, actuated and manually operated isolation valves.**

- » Valve reconditioning – gate, globe, ball, non-return, pinch, knife etc.
- » Safety relief valves reconditioning.
- » Seat lap and repair
- » Pressure test
- » Trevi testing – On-line safety valve testing
- » QC complete with data pack
- » On-site in-situ machining
- » Pre and post shutdown valve VOC leak surveys
- » Passing valve surveys

Our Mobile Valve Reconditioning Workshop Capacity

When KLINGER assess a plant's valve repair needs, mobilize a crew with the right people, tools and parts, and get on-site to solve valve problems quickly and efficiently, the plant saves time and money.

## VALUE ADD:

- ✓ Assets remain on location
- ✓ Increased control
- ✓ Increased efficiency
- ✓ Elimination of the potential for miscommunications
- ✓ Eliminating the potential for damages sustained during shipping
- ✓ Reduction in time required for turnaround/shutdown servicing



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