



QUALITY WITH
PERFECTION AND
DEDICATION

ON-SITE-IN HOUSE
VALVE REPAIRING SERVICE PROVIDER

TECHMATION CONSULTANCY

We are the premium Quality Industrial Valves & fittings Manufacturer & Supplier Pan India, Gujarat, India

Company Overview

Techmation consultancy have passed through experience of past "two decades of development in valves engineering. With this manufacturing of precision industrial valves have built up an enviable position in industry. Our presence includes fields such as chemical, pharmaceuticals, water, oil & gas, food & beverage, dairy, petrochemicals etc.

We are known as one of the leading manufacturers and suppliers of different types of valve fittings such as ball valves, butterfly valves, safety valves, gate valves, globe valves, diaphragm valves, check valves, pupi valves, ptfe lined valves, forged forged valves, and many other valves products.



We Have 15+ Years Work Experience

Market sectors

Technical valves for all applications, but the main focus is in oil & gas, chemical, petrochemical, pulp & paper, Pharmaceutical and energy sectors.



Oil & gas



Chemical



Food &
beverages



Pulp &
paper



Pharmaceutical



Energy

100+ Satisfied Customers



Maintenance & Repair

Whether your valves need planned maintenance or significant refurbishment, we can help you ensure that they are running effectively. We offer a comprehensive range of servicing options across our full range of valves, trims and equipment.

We have the facilities, expertise and flexibility to ensure that your valves are maintained safely, effectively and promptly.

We undertake valve maintenance jobs related to repairing, servicing and maintenance of various types of valve operations like manually, pneumatically, electrically, or hydraulically operated control or on-off valves (all sizes and all ratings), which are used in chemical, petrochemical, fertilizer, pharma, sugar, water works, pipeline division & power plant industries.

Valve Modification & Refurbishing

We are specialized in modification and refurbishing of all types of control valves (International or Indigenous make) viz. Pneumatically and manually operated valves like gate, globe, check, butterfly, piston valve, ball valve, lubricated and non-lubricated plug valves, diaphragm valve, pressure reducing valves, pressure safety valves, pilot operated safety valve, breather valve and all types of actuators like rotary, on/off, pneumatic, hydraulic cylinders, electric actuators etc.



Supply & Repairs of Accessories

We also undertake contract for mounting, tubing & calibration of various accessories like valve positioners, air filter regulators, limit switches, solenoid valves, air lock relays, volume boosters, I/P Converters.

Special Parts

We also develop parts of valves which are no more supported by the OEMs like, valve body-bonnets, plug, seat, cage, actuators cover, rubber diaphragm and other parts etc.

Valve Testing Services

We offer the hydrotesting of the repaired valves as per their body ratings and as per the leakage standards with special hydraulic test benches.

- ✔ **Control valve: Seat leakage Classification**
(In accordance with ANSI/FCI 70-2 and IEC 6055344)
- ✔ **Mechanical valve: API 598**
- ✔ **Safety Valve: API 527**

Valve Maintenance Workshop Setup

We also have setup our workshops inside clients' premises for year around maintenance of valves.



Maintenance & Repair

TECHMATION does complete overhauling, repairs & maintenance of 30,000+ valves per annum, irrespective of the size, pressure class, type and make and in least possible time.

We manufacture & “supply specially designed valve components as per drawing or sample like valve body, trims, other parts & accessories, both in hard materials like SS, MS or Nickel alloys or soft materials like Rubber, Teflon, etc.

- **We Repair IBR approved valves**

Valve Asset Management

We provide complete solutions of valve requirements, right from selection to purchase to maintenance & can manage any time availability of complete valves and its spares.

- **Mobile Workshop**
- **In-situ Valve Repairing**
- **Valve Testing Equipment**
- **Revamping Projects – Shut Plant To Be Restarted**
- **Plant Relocation Services**
- **Valve Spares Development & Manufacturing**
- **Valve Modifications**
- **Certifications, Approvals – For Valve Maintenance**
- **Collaboration With International Manufacturers – For After-service Support**
- **Refurbished Valves**



Techmation Valves & Automation

Techmation Valves & Automation is a leading industrial valve repair, maintenance, and automation service provider based in Vadodara, Gujarat. We specialize in overhauling and refurbishing various types of valves, ensuring they operate at peak performance.

Our skilled technicians and state-of-the-art facilities enable us to deliver high-quality valve repair solutions tailored to meet the unique needs of our clients.



Expertise & Experience

Over a decade of experience in the valve repair industry.

Modern workshop equipped with advanced tools & machinery.

State-of-the-Art Facilities



Skilled Technicians

A team of highly trained & certified technicians dedicated to excellence.

Focused on delivering timely, efficient, & cost-effective solutions.

Customer Commitment



VALVE REPAIR DURING SHUTDOWN



Shutdown is the best time to inspect, repair and service your valves to ensure reliable performance, safety & avoid unplanned breakdowns.



Scope of Work



Valve dismantling & inspection



Seat & trim repair / replacement



Actuator checking & calibration



Leak testing & performance validation



On-site troubleshooting

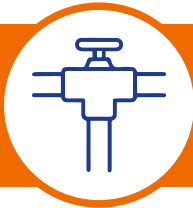


EXPERT VALVE REPAIRING SOLUTIONS



**Restoring Performance.
Ensuring Reliability.
Extending Valve Life.**

Our Solutions



Valve Supply

Wide range of
Industrial
Valves for every
application



Automation Solutions

Smart &
reliable
automation
for improved
performance



Valve Repairing

Expert repairing
of all types of
industrial valves



Positioners

Smart & Electro
Pneumatic
Positioners

Techmation is a trusted name in the field of industrial valves and automation solutions.

We are committed to delivering high-quality products, precision engineering, and reliable services to meet the evolving needs of various industries.





Team Execution

- Our dedicated team of 24 skilled professionals worked in perfect coordination during shutdown.
- Time-bound execution under shutdown pressure.
- Strict quality control and safety standards.
- Ready-to-operate valves before plant restart.

Our Valve Repairing Services



Inspection & Assessment

Detailed evaluation to identify issues



Dismantling & Cleaning

Thorough cleaning of all components



Repair & Replacement

Damaged parts repaired or replaced with best quality spares



Testing & Calibration

Hydro & functional testing for leak-proof performance



Reassembly & Commissioning

Precision reassembly & final performance check

**PRECISION
REPAIR**

**TESTED
PERFORMANCE**

**TRUSTED
RESULTS**



VALVE MODIFICATIONS

TECHMATION VALVES are specialists in carrying out modifications to valves including the change of trim materials for stems, discs, and seals to cater for change in service applications as well as the trim dimensions to change the quantum of flow within permissible limit.

Valve Flow Coefficient (Cv) Modification:

Valves can be utilized for different application of flow parameter by changing the aperture of valve seat and thus by changing (Cv) co-efficient of Valve. This may lead to reduce Capital inventory of the valves and save the operational cost.

Hard facing of the Trim Set:

The mating surface of the Plug, Seat, and cage of the Valve should be very hard and tough to withstand against constant erosion caused by hazardous chemical composition, system pressure & Velocity of the fluid and continues operation of the valve. The hardness can be by Hard facing of these components by using stellite welding process. Stellite is Cobalt based alloy. Various grades of stellite rods having different hardness based on the metallurgical proportion of Cobalt, Nickel, Tungsten, Molybdenum, Carbon etc.

The components are custom fabricated as per the original design while taking into consideration the mechanical and chemical properties of the changed materials. Reverse engineering process is used in the absence of OEM drawings / samples.

External and Internal protection of valves can be modified by providing epoxy coatings of up to 500 microns for required services. Likewise, corrosion resistant coatings for highly corrosive chemicals or severe services can also be provided.



VALVE SPARES

Out of Spares stock?

In critical breakdowns and maintenance, spares may not be readily available with a user. Inventory schedules are tight and lead times are high. Micron ValveServe may just have the solution for you!

TECHMATION VALVES maintains a large stock of raw material required for the fabrication of metallic and non-metallic components of the valves. The spares are manufactured or fabricated as per the requirements, dimensions and tolerances of international standards or of OEM drawings based on availability. In the absence of OEM Drawings/Samples, **TECHMATION VALVES** skilled engineers will Reverse Engineer the worn or damaged components.

TECHMATION VALVES have dedicated suppliers for providing custom made soft spares including gaskets, seal rings, O-rings, valve seals, profile seals, liners and linings.

We have amassed a wealth of experience while working with the designs of various manufacturers and our engineers can provide an in depth understanding of plant systems, issues and material technology.



OUR RANGE OF MAINTENANCE & REPAIR SERVICES INCLUDE

Shutdown Jobs

We have a team of highly skilled engineers and technicians and with mobile machineries, we can undertake major shut-down jobs successfully in the least possible time. At our workshop or at client site.

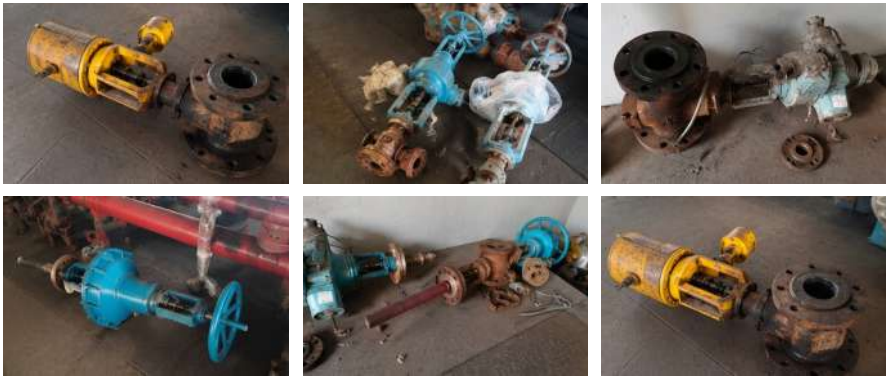
Online Lapping

- Conversion of unbalance trim to pressure balance trims or vice versa.
- Change of Actuators to meet present conditions.
- Change of valve fail open/close action.
- Change of M.O.C of trim to meet corrosive/ erosive fluids.
- Stellite welding at the trim matching parts is also done.
- Conversion of manual valves to pneumatic, electric valves.
- Conversion of on-off valves to control duty valves.
- Mounting of various types of accessories.
- Conversion of class IV leakage seat to tight shut i.e., providing soft seats and eventually to class VI.
- Conversion of valves from gland packing to bellow sealed and valves & vice versa.



BEFORE & AFTER REPAIRING

Before
Repairing



RUSTED



WORN OUT



DIRTY



CORRODED

After
Repairing



REPAIRED



REFURBISHED



CLEAN



READY TO USE

COMPLETION YEAR | LIST OF SUCCESSFUL INSTALLATION

Jan '26	DCM SHRIRAM LTD
July '26	JSW STEEL
July '26	SWAN DEFENCE HEAVY INDUSTRIES LTD.
Nov '25	TAMILNADU PAPER & PRODUCTS LTD
Dec '24	INOX AIR PRODUCTS LTD
June '26	ALCHEMI FINECHEM PVT LTD
March '26	UNISON PHARMACEUTICALS PVT LTD
Nov '25	MADHUSILICA PVT LTD
Nov '25	NIRMA LTD
April '26	SICGIL GAS
Jan '25	SMS LTD - ONGC, NADA
Sep '25	NLC INDIA LTD
Aug '25	KUTCHH CHEMICAL INDUSTRIES LTD
July '25	IMPERIAL MALT LTD
Aug '25	POLYPLEX CORPORATION LTD
May '25	RISHIKIRAN GROUP
Dec '22	IOCL VADODARA
March '21	HINDUSTAN SPECIALITY CHEMICALS LTD
Oct '20	RASHMI GROUP
Dec '20	ALEMBIC PHARMACEUTICAL LTD
July '23	BHARAT HEAVY ELECTRICALS LTD (BHEL)
On going	TNPL INDIA
May '21	DALMIA CEMENT (BHARAT) LTD



VALVE REPAIR EQUIPMENT LIST

DISASSEMBLY & ASSEMBLY TOOLS

1

Torque Wrenches
Impact Wrenches
Spanners & Socket Sets
Bearing Pullers

TESTING EQUIPMENT

2

Hydrostatic Test Pump
Control Valve Test Bench
Pressure Gauges
Vacuum Tester

MACHINING & REFACING EQUIPMENT

3

Valve Seat Grinding
Portable Flange Facing Machine
Lathe & Milling Machine

INSPECTION & MEASUREMENT TOOLS

4

Vernier Caliper
Micrometer
Dial Gauge
Ultrasonic Thickness Gauge

CLEANING EQUIPMENT

5

Ultrasonic Cleaning Machine
Water Jet Cleaner
Chemical Cleaning Tanks

WELDING & REPAIR EQUIPMENT

6

TIG / MIG Welding Machines
PWHT Setup
Metal Spray Coating

LAPPING & FINISHING TOOLS

7

Lapping Paste
Polishing Machines
Buffing Wheels

AUTOMATION & ACTUATOR REPAIR

8

Actuator Test Bench
Solenoid Valve Tester
HART Communicator

LAPPING & FINISHING TOOLS

9

Lapping Paste
Polishing Machines
Buffing Wheels

HANDLING & SUPPORT EQUIPMENT

10

Chain Hoist
Hydraulic Jacks
Work Benches & Roller Stands

SAFETY EQUIPMENT

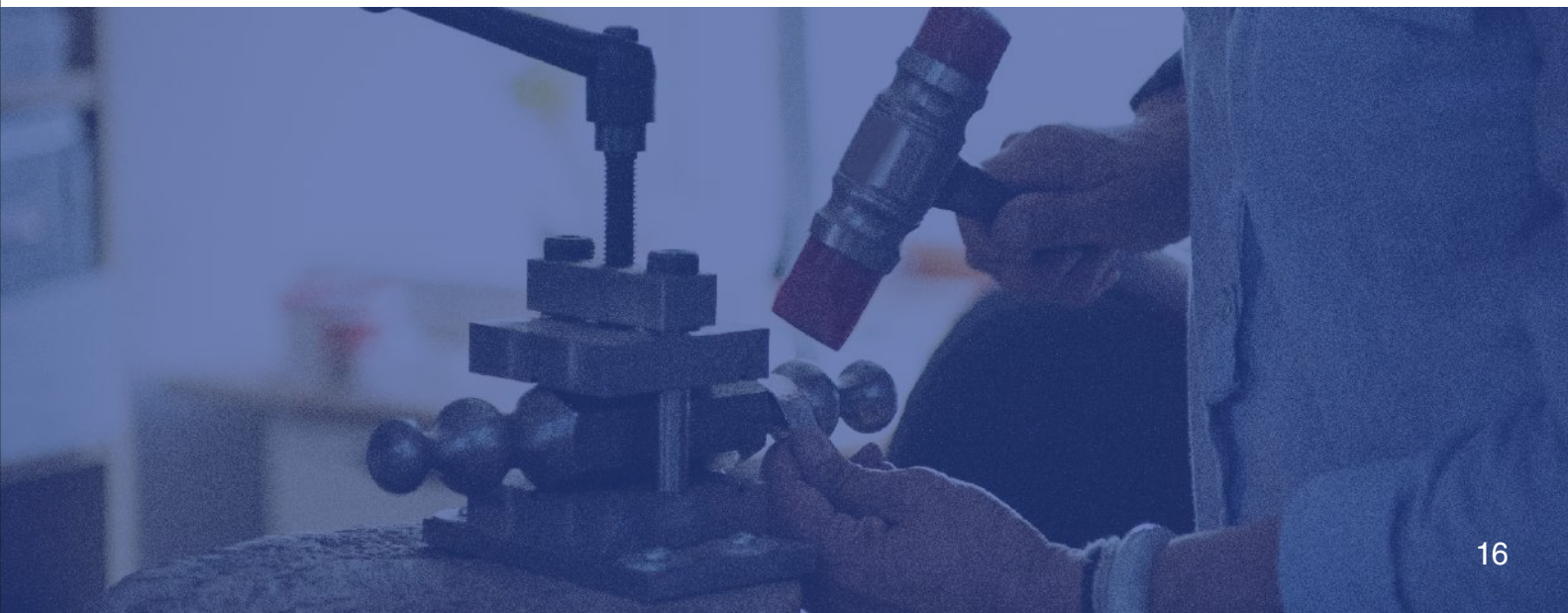
11

PPE Kit
Fire Extinguishers
Gas Detectors
Safety Barricades

ADVANCED

12

CNC Valve Repair Machine
Laser Cladding
Digital Diagnostic Systems



WE REPAIR ALL TYPES OF VALVES



**WE
PROVIDE**

YEAR

WARRANTY



PRODUCES
**RELIABLE, EFFICIENT,
SAFE & SUSTAINABLE**
PRODUCTS RANGE



Product Warranty upto 2 years
GSTIN: 24AAPFT5897H1ZF

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