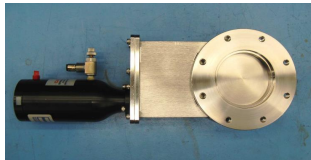




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# Valve Repair Services



*Aldon Proprietary Information*



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## Introduction

ALDON is proud to provide our valve repair services by working with our quality principals from US and around our regions.

By drawing on their respective areas of expertise, we are able to provide our customers with a wide product range of repairs that are best suited and catered to their needs.



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# Repair workflow

## Generic Repair Workflow

- Incoming inspection
- Disassemble
- Clean
- Reassemble and install with new/cleaned parts
- Calibration
- Leak test and functionality test
- Generate report
- Vacuum pack



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# Repair Competencies

## High Vacuum Insolation and Throttling Valves

- Repairs, refurbishes, and cleans chamber isolation, load lock isolation, pendulum and pressure proportioning control valves. OEM's supported include CKD, HVA, MKS, Norcal, SMC and VAT

## Ferrofluid Seals

- Repairs and refurbishes Ferro fluid based rotational seals. OEM equipment supported includes Kokusai, TEL and Novellus

## Electro-Mechanical Assemblies

- Repairs, refurbishes and cleans a variety of electro-mechanical assemblies to include wafer handling robots, transfer systems and servo/stepper motor drives and systems



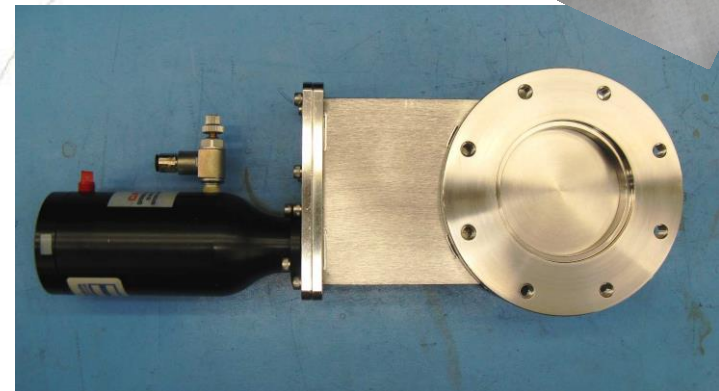
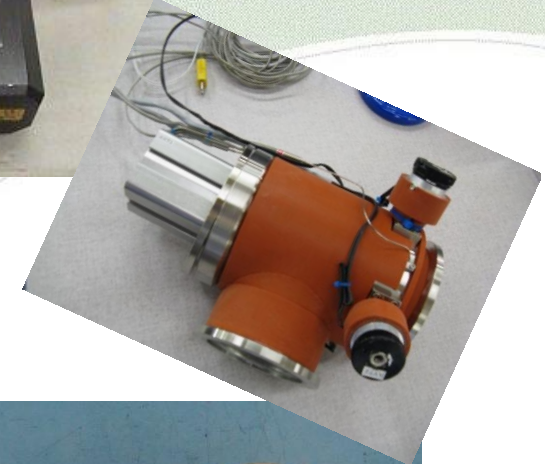
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# Isolation Valves

- Valve, Slit BDL Actuator
- Valve, Epi KF-40
- Valve, Isolation KF-50 VAT
- Valve, VAT UHV Conflat
- Valve, MKS KF-50 Chemraz
- Kit, Heated Angle Valve, Double Soft Start
- Valve, Butterfly HVWF0MS-NWKL
- Valve, Gate 3" ID NW57
- Valve, Foreline Axcelis Ash SMC
- Valve, SMC XLD-40-X542





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# Isolation Valves

- Valve, Isolation SMC XYA-80
- Valve, Slit L Motion SMC 300mm
- Exhaust Valve DFV
- Valve, HVA KF-50 Gate Valve
- Kitz angle valve, KF50, Heated
- L-Motion Gate Valve Series 075
- HPS Isolation Pneumatic Valve
- L Type 50mm x 336mm VAT Valve
- Monovat Gate Valve 50mm x 336mm
- Valve, VAC XLDQ-50-X698
- V37 Isolation Valve XLAQ-40-X964



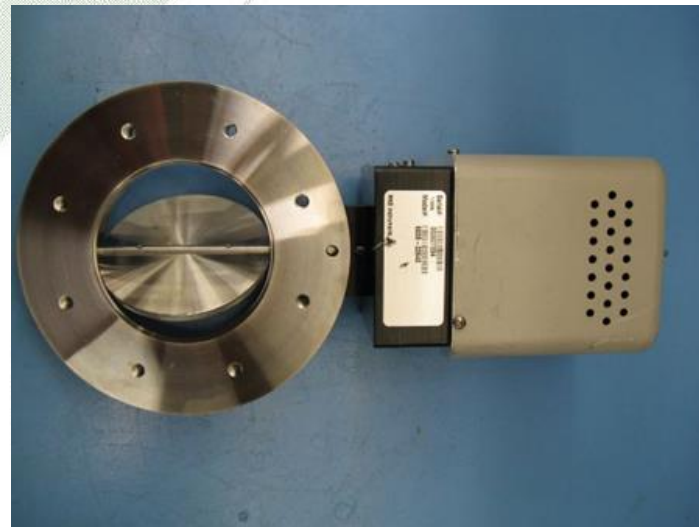
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- Valve, Vac Sys
- Valve, Throttle Centura ISSG-R
- Valve, Butterfly Fujimac
- Throttle Pressure Control Valve
- Valve, MKS Throttle NW100 Devicenet
- Throttle Valve, Heated
- Valve, MKS KF-50 683 Dnet

## Throttle Valves





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# Throttle Valves

- Valve, MKS Throttle 2 " Flapper w /O-Ring
- Valve, MKS 683B Throttle 3" F-Cup
- Valve, MKS Throttle NW80 Devicenet
- Valve, VAT Throttle Series 612
- Valve, MKS Control KF40
- Valve MKS 2 Stage, L2-40-SP1

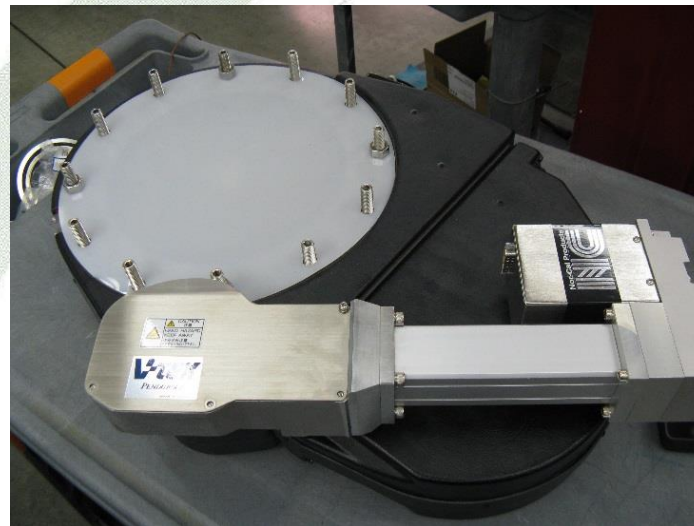
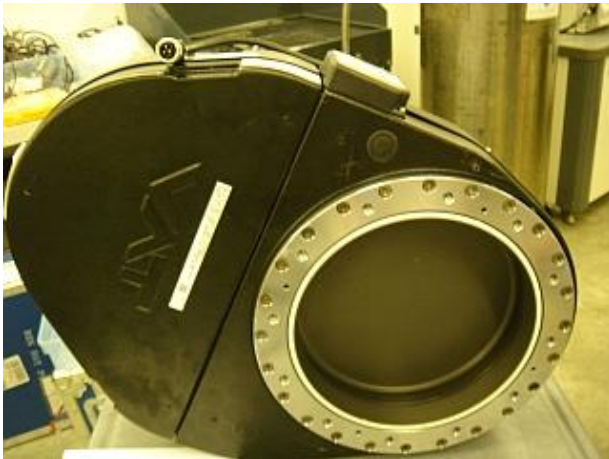
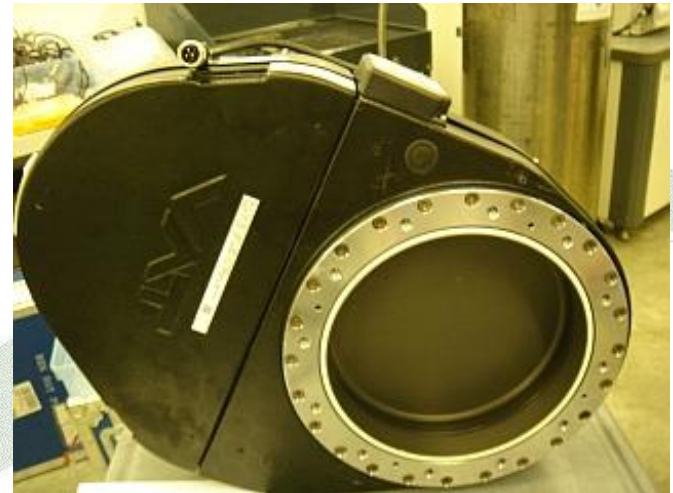




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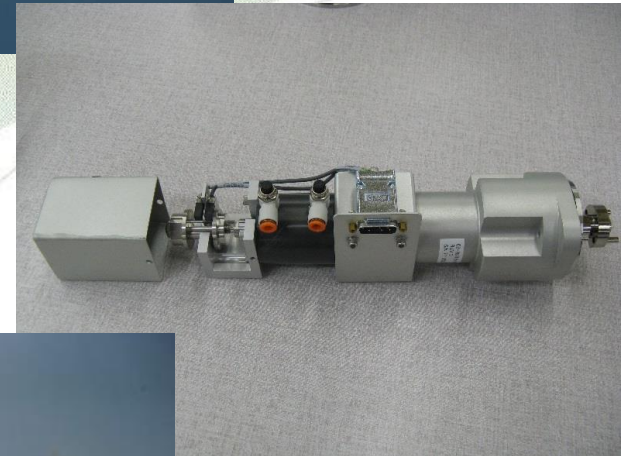
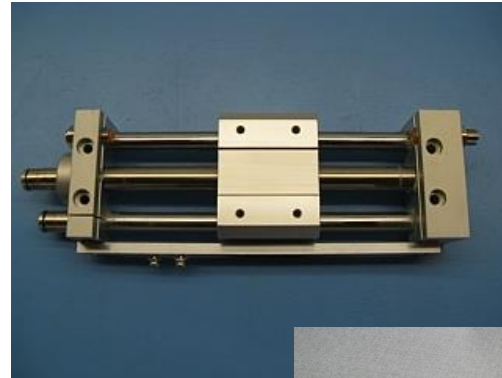
- Valve, CKD Furnace Copper/Non-Copper
- Valve, VAT Pendulum 650 Large
- Valve, CVD Teflon
- VTex Nor-cal Pendulum Valve
- Valve, VAT 8 Pendulum, 65046-JH

## Isolating Throttle Valves



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- SMC Rodless Cylinder
- Pin Lift Actuator
- Load Lock Pneumatic Actuator
- Actuator, Slit Valve

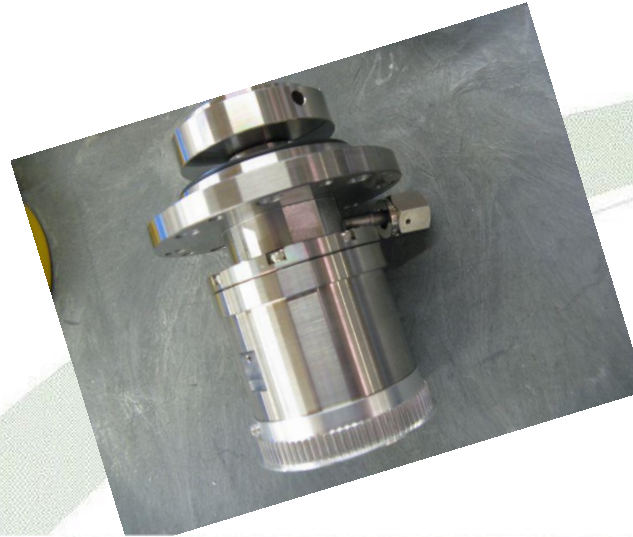




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# Ferro Fluidic Seals

- Seal, Kokusai Quixace Ferro fluid
- Indy, Ferro Seal





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# Exhaust Controllers

- R33-048:Exhaust Controller, Sentry 1510
- Aera EPV 100R



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