

ADVANCED VACUUM COMPANY, INC.

# ADVACO

1-800-272-2525

VACUUM EQUIPMENT REMANUFACTURING



Approvals

Quality System Registration

ISO9001:2008 REGISTERED



# Vacuum Equipment Remanufacturing

## Service Features

**Environmentally Safe Facility**

**No Cost Evaluation & Quote**

**Savings Through Component Remanufacturing**

**Fully Equipped In-house Machine Shop**

**All Equipment Remanufactured to OEM Specifications**

**On-time Delivery**

**Pump Logistics Programs**



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### UNIQUE WARRANTY

ADVACO offers the best warranty in the industry. Any product we remanufacture will be guaranteed for one full year, parts and labor, *from the date you install it at your facility*, not from the date of shipment.

### COMPREHENSIVE DOCUMENTATION

ADVACO tracks the status and details of your pump step-by-step through the entire remanufacture process, submits the data with each shipment, and archives the data for historical analysis. Custom documentation programs can be designed to meet your exact needs.

### DETAILED FAILURE ANALYSIS

ADVACO provides a complete report detailing the condition of each individual component, a summary of the cause(s) of failure, a listing of parts to be replaced and/or remanufactured, and when appropriate, suggestions for steps that could be taken to increase the MTTR and MTBF of your product.

### COMPUTERIZED TESTING

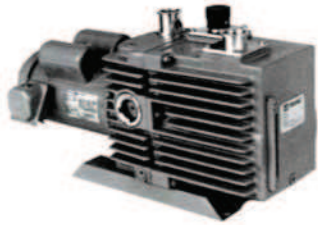
ADVACO uses a custom designed computerized test station that verifies and charts all the critical performance criteria of the remanufactured product. All products that ship from ADVACO either meet or exceed OEM performance levels, and the test results are sent with each shipment.

### PROACTIVE UPTIME PROGRAMS

ADVACO will recommend methods for increasing your pump life based on the evidence from failure analysis of individual pumps as well as historical trends.



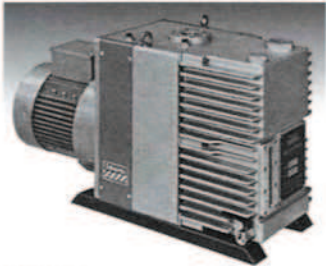
# Rotary Vane Pumps



LEYBOLD



ALCATEL



EDWARDS



HYVAC



LEYBOLD



WELCH

## Service Features

- Replacement of all bearings, seals, o-rings, gaskets, sight glasses, vanes, valves, springs and pins
- Remanufacture of plates, rotors and stators
- Manufacture of shafts
- Inert fluid conversion/preparation

# Piston Pumps



STOKES



KINNEY

## Service Features

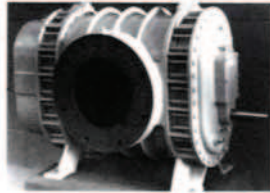
- Complete overhaul including replacement of all bearings, seals, o-rings, springs, gaskets, sight glasses and valves
- Remanufacture of pistons and eccentrics to minimize replacement part costs
- Oversized boring of hinge bar bore (beyond OEM specifications) to extend pump life
- Manufacture of shafts, bearing rings and hinge bars to reduce rebuilding costs



# Roots-type Blowers



EDWARDS



ROOTS



STOKES



ROOTS



ALCATEL



LEYBOLD

## Service Features

- Replacement of all bearings, seals, o-rings, gaskets and sight glasses
- Rebuild/replace drive and/or driven shafts without replacement of lobes
- Cost effective pricing on new gears
- Precision re-timing and continuous testing prior to shipment

# Diffusion Pumps



VARIAN 35 IN DIFFUSION PUMP



CVC 48 IN DIFFUSION PUMP

## Service Features

- Cleaning and repair of jet assembly
- Replacement of cooling coils
- Re-insulation of oil tank (if required)
- Installation of new heater(s)
- Replacement of all gaskets, o-rings, etc.
- Comprehensive performance test with customer-supplied fluid
- Custom integral cleanout port upgrades



# Turbo Pumps



ALCATEL



BALZERS

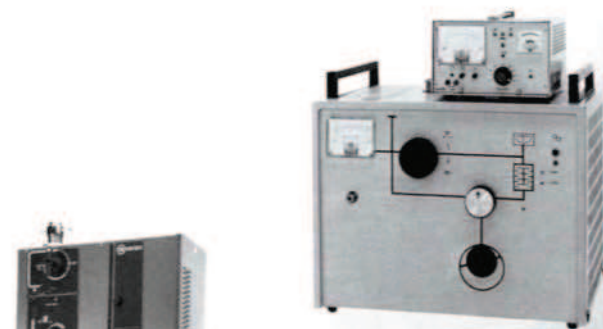


LEYBOLD

## Service Features

- Replacement of bearings, o-rings and all consumable parts
- Precision dynamic balancing
- Remanufacture of shafts and rotors
- Extensive 72 hour testing to verify proper performance—all critical operating parameters monitored
- Ceramic bearing upgrades
- Lubrication conversions
- Mag-Lev turbo service
- Diagnosis/repair of controller/power supply
- Services performed by factory-trained technicians

# Leak Detectors



ALCATEL



VARIAN

## Service Features

- Disassembly and cleaning of vacuum manifolding and valves
- Replacement of o-rings and seals
- Testing and repair of valves and solenoids
- Cleaning of ion source and collector
- Replacement of filaments
- Repair/rebuilding of vacuum pumps
- Complete electrical system diagnosis, testing and repair as needed
- Performance verification and repair of vacuum gauges
- Calibration and testing of entire unit
- Unit modification or updating as required or requested by customer



# Cryo Pumps



CTI



## Service Features

- Refurbishment of pump and refrigerator assembly
- Replacement of all seals, bearings, Indium gaskets, bushings and o-rings
- Performance test of motor
- Remanufacturing of 80K and 15K arrays
- Clean, precision assembly for trouble-free performance
- Guaranteed to meet or exceed OEM cool down specifications
- Complete compressor service

# Dry Pumps



EBARA



EDWARDS



SCROLL PUMPS



ALCATEL



LEYBOLD

## Service Features

- Replacement of all bearings, shaft seals, shaft sleeves, felts, dust seals, o-rings, sight glasses, and other consumable parts
- Remanufacture of shafts, lobes, and/or claws
- Manufacture of new claws, sleeves, shafts, and other major parts
- Precision assembly of pumps in a fully equipped and clean environment
- Extensive computerized testing to OEM specifications—all operating parameters monitored
- Replacement pumps and fast turnaround times
- Accessory upgrades to special configurations



## General Information

**Warranty:** All vacuum pumps rebuilt by ADVACO are warranted to be free of defects in parts and workmanship for one year from date of installation.

**Environmental Compliance:** ADVACO is registered with the United States Environmental Protection Agency (EPA#MDD985419076) and certifies that all waste materials are disposed by methods approved by the EPA.

**Preparation:** All pumps sent to ADVACO for rebuilding should first be drained of all oil, and the inlet and exhaust ports should be sealed. All filter elements (if applicable) should be removed and properly discarded by the customer. Any accessories not requiring repair (exhaust piping, etc.) should be removed and retained for customer reinstallation upon completion of the rebuild.

**Pick Up and Delivery:** Available everywhere. Call ADVACO to arrange for transportation of your equipment to our facility.

**Priority Service:** Expedited service available upon request.

**Consignment Pumps:** Many models available in the event that you do not have a spare unit to utilize while ADVACO is rebuilding your pump.

**UNIQUE WARRANTY**

**COMPREHENSIVE DOCUMENTATION**

**DETAILED FAILURE ANALYSIS**

**COMPUTERIZED TESTING**

**PROACTIVE UPTIME PROGRAMS**

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**Approvals**

Quality System Registration

ISO9001:2000 REGISTERED

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