

ADVANCED VACUUM COMPANY, INC.  
**ADVACO**



## Vacuum Equipment Remanufacturing

800-272-2525 • [www.advaco.com](http://www.advaco.com)

ISO9001:2008 REGISTERED



A male technician wearing a blue short-sleeved shirt with a name tag that says "Brad" and a logo that says "ADVANCED VACUUM". He is wearing yellow nitrile gloves and is focused on assembling or inspecting a cylindrical metal component of a vacuum pump. The component has a label with technical specifications. In the foreground, there are various other parts of the pump, including a large cylindrical brush-like component and a mesh filter. The background shows a window with horizontal blinds.

Providing unsurpassed service

for a wide range of  
vacuum pumps and  
the industries that  
depend on them.

- Dry pumps
- Turbo pumps
- Turbo pump controllers
- Leak detectors
- Cryo pumps
- Rotary vane pumps
- Piston pumps
- Roots-type blowers
- Diffusion pumps
- Vacuum systems
- Subfab equipment

# The premier vacuum equipment service company

## Discover the advantages of ADVACO's remanufacturing services

From standard preventative maintenance rebuilds, to major overhauls, ADVACO offers the most comprehensive, reliable, and cost effective vacuum equipment service solutions available. Our facility is equipped with state-of-the-art technology and equipment which enables us to offer service that is unsurpassed in the industry.

Since 1972, ADVACO has been the benchmark in comprehensive vacuum equipment remanufacturing. Our factory-trained expert technicians will rebuild your vacuum equipment to meet—and often exceed—OEM specifications.

ADVACO offers the service infrastructure of an OEM, coupled with the flexibility of an independent service provider. The result is vacuum equipment service that restores new equipment performance at a fraction of replacement pump costs – and the confidence that superior quality and technology are behind every rebuild.

We are so confident in the service we provide, that we back every rebuild with a full one-year warranty from the date your remanufactured equipment is installed at your facility.



## No-cost evaluation and quote

**Review a detailed failure analysis report and firm rebuild price prior to the performance of any billable work.**

We understand the critical role your vacuum pumps and equipment play in your operation. We provide a blueprint of your pump's condition as received, a list of parts and/or services required to return it to like new condition, and a firm rebuild price for review, before proceeding with any billable service work.



# The ADVACO rebuild process

Restoring  
performance  
and precision



## Step 1

### Documentation

ADVACO can arrange transport of your equipment to our facility, where your pump is then issued a work order number. From this point on, we document the status and details of your pump throughout the entire remanufacture process.

Detailed data outlining failure analysis, parts required, and test results, reinforces a comprehensive servicing of your pump and provides a detailed record for future reference. Customized quarterly and/or annual reports can be generated upon request to aid in tracking overall repair histories and expenditures.

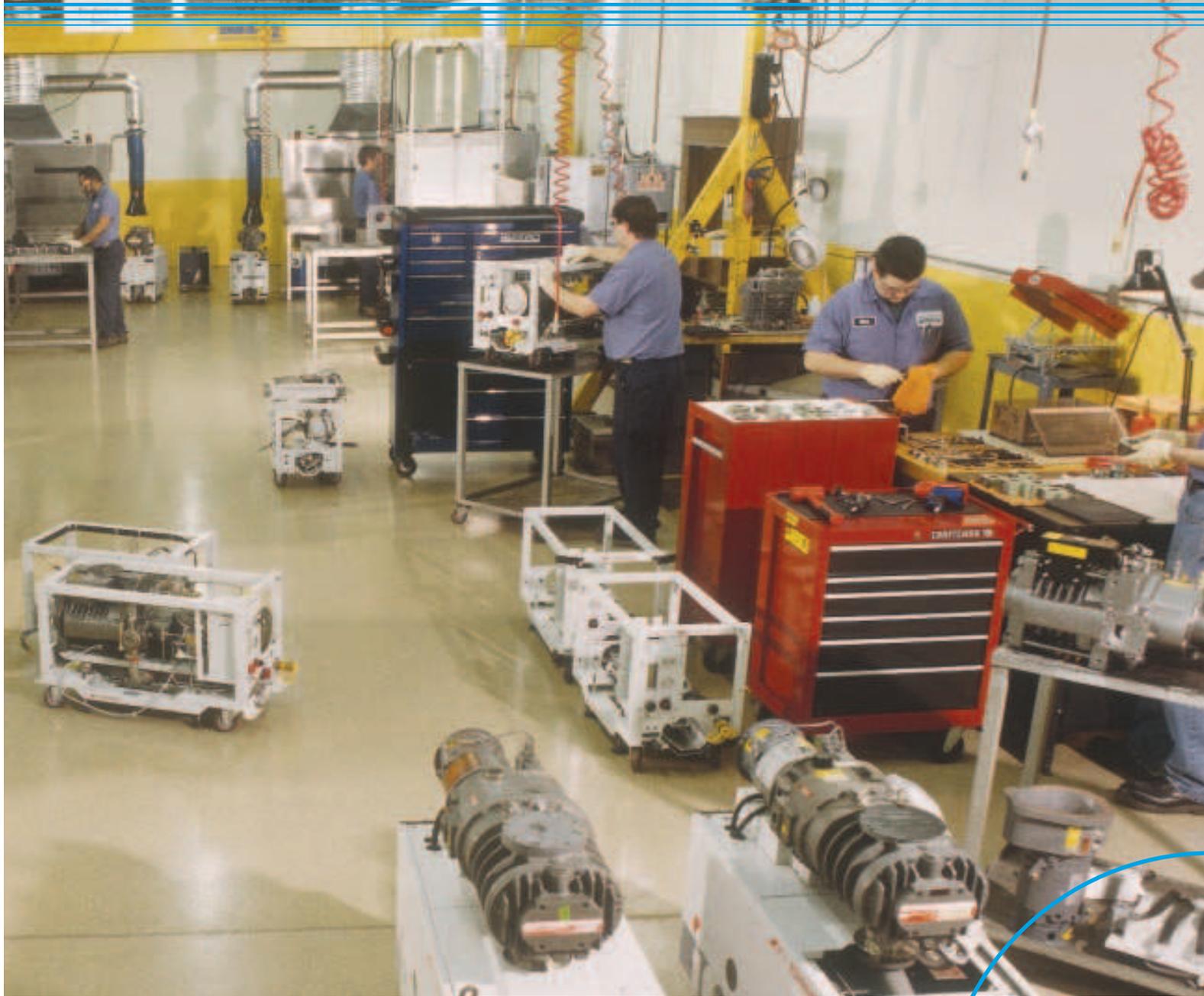
## Step 2

### Disassembly

The ADVACO facility is equipped to provide an EPA-compliant, environmentally secure setting both for our employees as well as your vacuum equipment.

Once the documentation process has been initiated, your pump is completely disassembled and immediately transferred to our automated cleaning system—no solvents, CFCs, or EPA-banned chemicals are used.

Only high-temperature water and semiconductor-compatible water-based detergents are used to agitate and remove all process residue deposited on your pump. This thorough cleaning enables our technicians to accurately inspect each individual pump part.



## Step 3

### Evaluation

ADVACO's complete evaluation of your pump is free of charge. We inspect each pump component and deliver a comprehensive quote and detailed failure analysis report for your review.

- All consumable parts are quoted for replacement (as applicable)—gaskets, o-rings, valves, seals, springs, bushings, claws, etc.
- Additional parts are quoted for replacement or remanufacture in our machine shop.
- Motors are bench-checked for proper operation and performance.
- Upon receiving your approval, your pump undergoes a second cleaning to remove any final contaminants before reassembly begins.



## Step 4

### Assembly

ADVACO's skilled technicians recreate the assembly techniques of your pump's original manufacturer, using the specific tools and fixtures necessary to restore like-new performance.

Our extensive experience and exacting procedures often result in a rebuilt pump that performs better and lasts longer than new.

## Step 5

### Testing

ADVACO has developed a set of specific test criteria that every pump must meet before return shipment. We utilize calibrated computerized testing equipment to verify the following against OEM and ADVACO standards:

- Operating temperature
- Vibration
- Noise
- Motor amperage
- Pumping speed
- Gas flow
- Ultimate vacuum
- Leakage
- Coolant and purge gas flow
- Sensor operation

Once your pump passes our rigorous assessments, it is painted the original or requested color and packaged for shipment to your facility—along with complete documentation that includes all final acceptance test data.

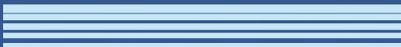
**Your full one-year warranty begins from the time your pump is reinstalled at your facility, not from the date of shipment**





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## The ADVACO Advantage

Our nearly half-a-century of experience combined with an unwavering dedication to superior quality have resulted in the best vacuum equipment service in the industry—convenient, comprehensive, and cost-effective.

### One-Year Warranty

- The best in the industry—parts and labor guaranteed one full year from the time your pump is reinstalled at your facility.

### Comprehensive Documentation

- The entire service history is documented and provided to you with each shipment.

### Detailed Failure Analysis

- A summary of the causes of failure, the services and/or parts needed for the repair, and recommendations for improving pump life are provided.

### Computerized Testing

- Calibrated test equipment and components are utilized to verify and record all critical operating parameters, and the output is provided with each shipment.

### Quality Control

- ADVACO's quality system is ISO9001:2008 registered.

### Proactive Uptime Programs

- Customer specific programs can be designed to maximize pump life.

### Priority Service

- Expedited service available upon request.

### Consignment Pumps

- We realize your vacuum pump is a vital part of your manufacturing process. In order to offset your downtime, we have a variety of consignment pumps available for use while your equipment is being serviced.

### Pick-Up and Delivery

- Available everywhere—we can coordinate the transport of your equipment to and from our facility.

### Environmental Compliance

- Registration with EPA—#MDD985419076—for proper waste disposal methods.

1215 Business Parkway North • Westminster, MD 21157  
toll-free: 800-272-2525 • local: 410-876-8200  
fax: 410-876-5820 • email: sales@advaco.com  
web: [www.advaco.com](http://www.advaco.com)

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