

Specialists on Stokes, Roots, MD, Leybold, Ulvac, Kinney, CVC Diffusion, Varian, Welch, and many other models

Since 1981, Metallurgical High Vacuum Corporation has offered expert remanufacturing service on most brands of pumps and blowers, including rotary piston pumps, rotary lobe blowers, rotary vane pumps, and diffusion pumps.

Custom engineered valves, piping, and manifolds can be produced to your specifications.

REBUILDING

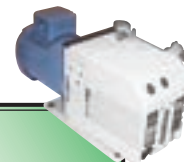
For complete rebuilding, each pump is...

- ◆ Torn down and inspected with written estimate to rebuild prepared at no charge.
- ◆ Cleaned in alkaline hot tank with materials disposed of per regulatory guidelines.
- ◆ Assembled and lubricated using new seals, filters, oil, and quoted replacement parts.
- ◆ Run-in for 20 hours minimum.
- ◆ Mass spectrometer leak tested, measured for blank-off pressure, checked for oil leaks and unusual noises.
- ◆ Painted, labelled, crated, and shipped — all with a fast turnaround time.



BALANCING

- ◆ MHV can dynamically balance impellers up to 1,500-pounds.
- ◆ Also available is a Fast Fourier Transform (FFT) vibration analysis performed on all laser boosters.

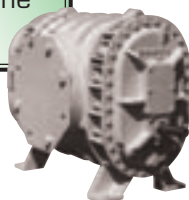


Rebuilt with
new boiler plate



RENTING

- ◆ MHV generally has rental units available to minimize downtime during rebuilding.



TESTING

- ◆ MHV has an extensive collection of **Dial Snap Gages, Bore Gages, and Setting Masters** to properly gage shaft, eccentric, and piston-slide diameters within $\pm .0001$ ".
- ◆ Complete Hot Test facilities for:
 - Blowers** ~ 100-hp variable frequency test stand
 - Laser Boosters** ~ 5-hp variable frequency test stand to 85-Hz
 - Liquid Rings** ~ Test stand with diesel oil circulation and heat exchanger to test up to 50-hp; capacitance manometer vacuum gaging



NEED HELP? Call Metallurgical High Vacuum Corporation for professional help with all of your vacuum needs. Factory trained engineers and technicians will gladly help you!

toll free 877-787-9880