

AIRMAC



Repair & Overhaul Services



Air Mac



Steam Cleaning



Initial Inspection



Parts Cleaned to White Metal



Impeller Hand Polished

Brand Repair Capabilities

We provide full service and repair all brands, including:

- Gardner Denver
- Roots
- Sutorbilt
- MD Pneumatics (Tuthill)
- HSI
- Lamson
- Hoffman
- Aerzen and others



Equipment Serviced

Positive displacement and centrifugal blowers, rotary screw air ends, and air locks, are representative of equipment Air Mac is experienced in overhauling and rebuilding. Qualified, factory trained mechanics with years of experience have a proven track record of success.

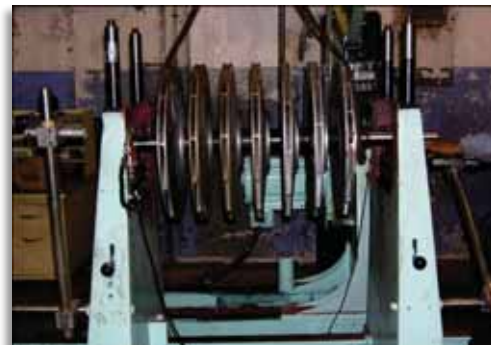
Inspection

After the blower is received it is inspected for obvious damage that would make an overhaul impractical from a cost standpoint. If it appears to be re-buildable then it is disassembled and inspected in greater detail.

Factory trained technicians visually inspect the major components looking for the cause of failure, unusual wear patterns and identifying problems with an experienced eye. Critical dimensions such as shaft diameters, cylinder bores, bearing fits, seal fits, etc. are checked and recorded.

Facilities

Our 16,000 sq. ft. facility on one acre is second to none with an overhead crane, heated caustic cleaning vat, 600 amp power for testing, 200 ton press, 20'X20' steam clean booth and extensive diagnostic & measurement equipment.



Centrifugal Impeller Balancing

Rotary Lobe & Centrifugal Blowers

AIRMAC

Estimating & Quoting

In many cases a “standard overhaul” quote can be issued prior to receiving the blower. If, after inspection, additional machine work, parts, or repair are needed, customer approval is obtained before proceeding.

Tear-down and inspection is performed at no cost to the customer.

Cleaning & Polishing

Once the overhaul is approved all major components are cleaned removing foreign material. Cast iron and steel components are cleaned in a heated caustic vat to white metal.

Nicks and burrs are removed with all appropriate surfaces polished by hand using pneumatic tools. Critical fit surfaces are lightly wet polished then protected. A final cleaning is done prior to assembly.

Assembly

Blowers require custom built tools to properly disassemble and reassemble their blowers. In addition to micrometers, feeler gages, depth mic., dial indicator, torque wrench, etc., our shop has a broad array of special tools. These include shaft protectors, pullers, plates, guides, fixtures (timing, tear down, setup, press), push frames, seal installers, etc.

Each blower is carefully assembled using factory genuine parts. All bearings, shims, sleeves, shaft seals, air seals, lock washers, gaskets, O-rings, and locknuts are replaced. Proper assembly torque specifications are followed and all clearances and tolerances are set to factory original specifications.

Testing

All critical dimensions and clearances are verified after assembly then a mechanical run test is performed. The test stand incorporates a VFD motor control to allow the equipment to be jogged first then slowly ramped up to full speed while technicians listen and observe the operation.



Shim Measurement



End Clearance Check



Centrifugal Blower Assembly



Prepared for Return



Mechanical Run Test

Air Mac is a high quality sales and service provider of industrial air compressors, blowers and vacuum pumps in Texas and Oklahoma.

We strive each day to exceed customers' expectations, listening to their needs, offering knowledgeable cost effective solutions, and being their value added partner in business.

To be the industry leader, we are committed to continuous improvement, constant learning and providing quality solutions for our customers in an ever-changing market.

Blowers & Vacuum Pumps Compressed Air Systems Parts & Accessories



24 Hr Field Service Scheduled Preventive Maintenance Overhauls

When you need field service, you need it fast and want it done right the first time. At Air Mac, we understand service. Air Mac offers experienced service technicians capable of troubleshooting a variety of compressed air equipment problems with a support structure and specialized tools to assist them.

Scheduled Preventive Maintenance provides you with regular maintenance and the peace of mind your equipment is properly cared for. We schedule preventative maintenance based on the number of hours the equipment operates and we call to confirm the service date. A trained technician performs the service and checks the general operation of the equipment, making note of any other conditions that require attention.



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