



PD Blower

Service Bulletin

Typical Rotary Lobe Overhaul

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Hand polishing the impeller .



Installing the timing gear.



Prepared for return shipment.

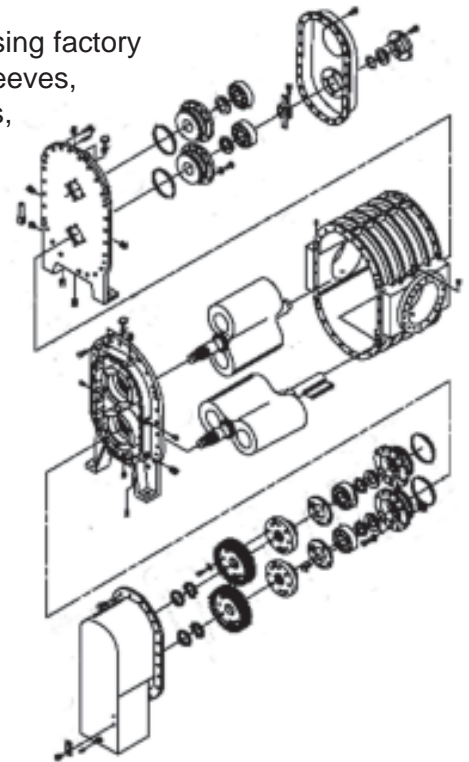
In addition to micrometers, feeler gages, depth mic., dial indicator, torque wrench, etc., Unimac has a broad array of special tools. These include shaft protectors, pullers, plates, guides, fixtures (timing, tear down, setup, press), push frames, hoisting eyes, seal installers, etc. The major manufacturers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

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.

Timing Clearance
Open
Closed
Total

Radial Clearance, Drive & Driven
Tip to suction
Tip to discharge
Tip to cylinder

End Clearance, Drive & Driven
Impeller to gear end
Impeller to drive end



Rotary screw air ends, positive displacement and centrifugal blowers, rotary 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.

Our 16,000 sq. ft. facility is second to none with a 5 ton overhead crane, heated caustic cleaning vat, 600 amp power for testing, 200 ton press, 20'X20' steam clean booth and extensive diagnostic & measurement equipment.