

## Protecting Your Airend is Our Business

John Henry Foster (JHFoster) is very aware of the competitive environment in which all businesses operate today. We realize that it's of utmost importance to maximize your investment in plant operations, especially in equipment vital to production, such as the rotary screw air compressor.

The rotary screw compressor is essential to the production of virtually all products and since most production equipment utilizes compressed air in some fashion, controlling downtime and efficiency of the air compressor is of primary importance. The main component of the rotary screw air compressor is the compression chamber, commonly referred to as the airend. The airend contains gears and seals, as well as rotors which are supported by bearings, and the failure of any of these components can have a catastrophic effect.

### AIREND PROGRAMS

To help ensure reliability and optimal performance, JHFoster has incorporated two programs as an integral part of its service capabilities – airend monitoring and airend rebuilding.

#### AIREND MONITORING

The airend monitoring program consists of monitoring and tracking of the airend status. Our capabilities allow us to gauge the condition of the bearings and other critical components in order to predict failure. Predictive monitoring also allows us to analyze the condition of the airend to allow time for scheduled repair, drastically reducing turnaround time and lost productivity.

#### AIREND REBUILDING

In the event of a failure, the airend rebuilding program offers quality and quick rebuild capabilities unmatched in the industry. Our rebuild can result in a 50% reduction in overall cost versus factory exchange or a new airend. During the rebuilding process, airends are completely disassembled with all seals, bearings and O-rings replaced. Repairing damaged rotors, rebuilding oil pumps, metalizing the shafts and other internal repairs are performed as necessary. All components are then reassembled, clearances are checked, and airends are spun to a final check.

Our factory-trained service technicians have over 100 years of combined service training and a proven track record of successfully performing over 1,000 rebuilds making us uniquely qualified to repair and recondition airend units.

For more information regarding your rotary screw air compressor and how our airend monitoring and rebuild capabilities might benefit you, contact our Service Department at [serviceadvisors@jhfooster.com](mailto:serviceadvisors@jhfooster.com) or 651.452.8452.

John Henry Foster (JHFoster) is a leading distributor and service provider of automation, robotics and compressed air systems. Our mission is to assist companies like yours automate their manufacturing applications to make the process a positive journey. We are committed to providing successful solutions that exceed production demands, reduce costs, and increase overall efficiencies.

Headquartered in Eagan, MN, with an advanced robotics training facility and in-house UL 508A and UL 698A certified control panel shop, we also offer a fully-equipped team of mobile technicians who provide service to the 5-state area.

