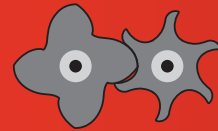


*Delivering world class airends
for a broad range of applications*



Our customer service teams are committed to customer satisfaction by providing:

- Regional customer support teams around the globe in Americas, EMEA and Asia Pacific
- Parts and distribution facilities in every region
- Comprehensive documentation and literature
- Dedication for customized and special requests



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Ingersoll Rand Industrial Technologies provides products, services and solutions that enhance our customers' energy efficiency, productivity and operations. Our diverse and innovative products range from complete compressed air systems, tools and pumps to material and fluid handling systems. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

07/2018 V03

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*OEM Solutions: Screw compressors airends
for industrial and specialised applications*

Worldwide known brands:

GHH RAND

IR Ingersoll Rand



Whatever the application – we have the solution.

As the market leader in compressed air, we partner with you to develop the most reliable solutions for your applications.



Your experience will tell you that the heart of a reliable, high performance and efficient compressor is the airend. OEM Solutions rotary screw airends are produced at two, state of the art manufacturing plants located in Wujiang, China and Mocksville, North Carolina, USA. Combining the long-standing experience within the plants gives many decades of technical innovation and refinement making OEM Solutions pioneers in this field. Our commitment in highest standards in quality makes our airends the finest in rotary compressor technology. We are 100% committed to remaining

at the leading edge of rotary screw airend design, development, manufacturing and assembly. Our multiple stage rotor manufacturing process ensures that our ground rotor pairs need not be matched. The repeatability of our production process and our ability to accurately manufacture rotor pairs to an exact profile translate into high efficiency, high performance and unsurpassed reliability. This is one of the key reasons why major compressor companies and OEMs in different markets utilise GHH RAND® and Ingersoll Rand® airends or their compressed air solutions.

Our oil free portfolio:

Small oil free compression



Large oil free compression



For bulk road tankers



OEM Solutions' oil flooded and oil free technology

Oil injected airends: For our contact cooled portfolio we manufacture both gear-driven and belt-driven, single- and two-stage airends for the compression of air. These airends are manufactured to the highest standards to give you optimum performance and reliability.

Oil free compression: These blocks comprise of either one or two oil-free airends which are directly flanged to a gear box and oil tank. Each unit also has a self-contained oil pump driven via the input shaft. The oil pump supplies lubricant to the bearings and gears.

Wide range: Our single stage machines are available in 6 sizes and our two stage blocks are available in 4 sizes. Applications range from industrial oil-free air compressors through to stationary pneumatic conveying and the starting of jet engines on aircraft. Each compressor block is available with a range of gear ratios allowing you to select the right performance for your application.

Efficiency: Our oil free rotors have an optimised profile and are supported by four point bearings and roller bearings. The compression process is extremely efficient. Our bearing system eliminates the need for balancing pistons to maintain efficient discharge clearances and our sealing system guarantees that no oil can pass into the compression chamber. The

discharge air is completely oil free.

Long life: If two stage compressors operate at temperatures below the dew point then condensate can form in the interstage cooler and can get carried through into the second...



Plant in Wujiang, China

stage. By using stainless steel rotors and by coating the housing and rotors we have eliminated the risk of damage due to corrosion. This affects your TCO (total cost of ownership) significantly.

Ultracoat®: We have invested many years in the development of our Ultracoat® coating. It prevents corrosion and improves the efficiency of the compression process. Ultracoat® has an exceptionally long life and is resistant to high temperature and high pressure.

Lubricants for optimal performance: Primecool®, Ultralube® & Silol®

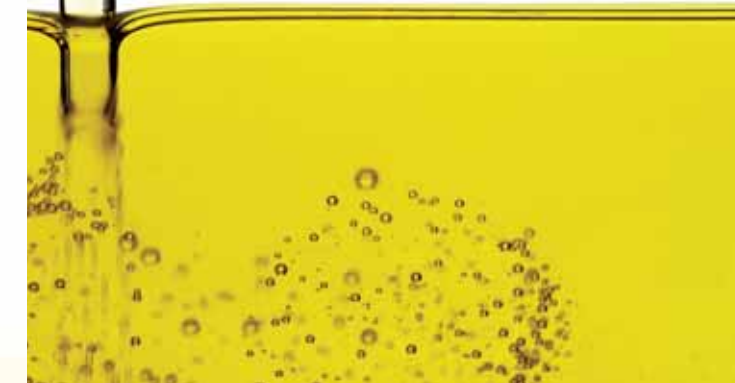
OEM Solutions have developed fully synthetic lubricants to meet the arduous demands of diverse applications. Whether your package is operating in high or low temperature environments, our lubricants provide the best protection for your airend.

These lubricants were specifically designed for our screw compressors. **Primecool®** can be used under the harshest of temperature conditions for our oil flooded airends. **Ultralube®** is a fully synthetic lubricant designed for our range of *oil free* compressing airends to lubricate bearings and gears. **Silol®** was specifically designed for our compressors for pneumatic truck unloading ap-



plications of dry bulk material. Our FG (Food Grade) range of oils additionally meets the highest requirements of the food and pharmaceutical industries. All of our lubricants will ensure protection of your assets while providing lower full life cycle costs. Using these lubricants allow us to offer an extended warranty on our airends which provides valuable peace of mind for your products and applications.

If you have any questions regarding our broad product portfolio please do not hesitate to contact your local OEM Solutions office – we will be more than happy to support you.



Our oil injected portfolio:

Small oil injected



Medium oil injected



Large oil injected



High pressure oil injected



Service kits

