



HOLROYD
PRECISION
ROTORS



HOLROYD PRECISION ROTORS CORPORATE BROCHURE

INTRODUCING PTG

Incorporating the world-class brands of Holroyd, Binns & Berry, Crawford Swift, and Holroyd Precision Rotors.

PTG is a truly world-class manufacturing business. But this is not our view alone.

Holroyd's Three Queen's Awards for Enterprise and Innovation bear witness to our achievements. And today we look back with pride but we also look forward with a hunger for continuous improvement and innovation and a commitment to apply our knowledge, experience and capabilities to serve you, our customers and partners.

With absolute precision.



Tony Bannan
Chief Executive Officer

HOLROYD PRECISION ROTORS - SUPPORTING MANUFACTURING

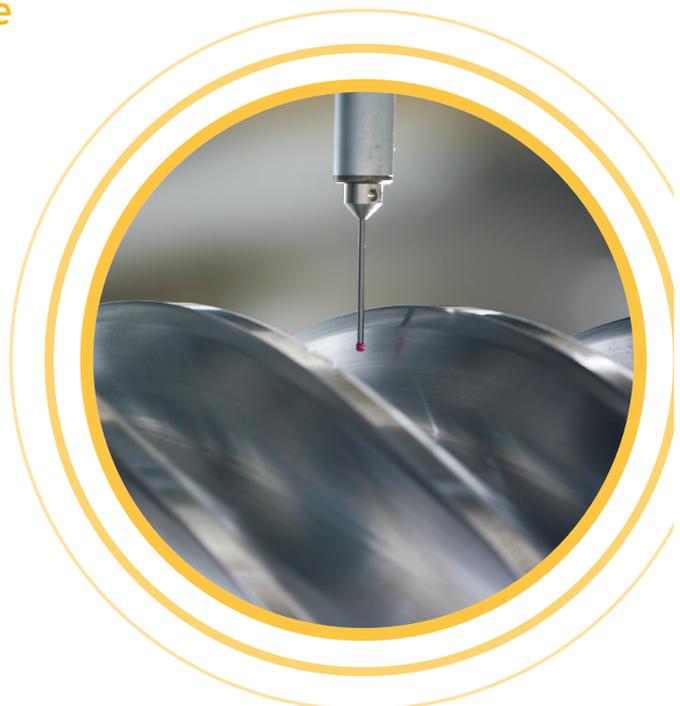
From prototype to production, the same high standards of precision apply.

Screw and rotor manufacturing technology

Holroyd Precision Rotors has been at the forefront of screw and compressor rotor manufacture for over 50 years, working closely with customers to design and produce all types of helical forms, rotors, superchargers, blowers, pump and vacuum screws.

As the sub-contract manufacturing division of Precision Technologies Group (PTG), Holroyd Precision Rotors has the capability to produce both prototype components and volume production.

Working closely with clients in the HVAC, air compression, gas transmission and distribution, and fluids processing, metering and handling market sectors, Holroyd Precision Rotors has the flexibility to produce new types of screw profiles in a matter of hours, dramatically reducing customer development and process lead-times.





HELICAL SCREW ROTORS

Supplier to the world's largest and most successful helical screw rotor compressor manufacturers.

Our technical knowledge and expertise in milling and grinding profiles fulfils our customers' needs with efficient and effective rotor manufacture. With an open door policy to established and new potential customers we welcome enquires from around the world for the application of our milling and grinding technologies.

As an ISO 9001 certified manufacturer we produce high quality precision rotors supported by our Holroyd Profile Management System (HPMS) software. Knowledge of steel, cast iron, aluminium, magnesium and a range of exotic materials combined with a full range of size capability show our flexibility to meet the needs of your business.



ABSOLUTE PRECISION MAKES ALL THE DIFFERENCE

SUPERCHARGERS

For automotive, racing,
marine and aerospace.

From conceptual ideas to full turnkey manufacturing cells, Holroyd Precision Rotors have aided and advised on the development and manufacture of rotors for the supercharger market worldwide.

Using our experience of working with a range of materials and specialist protective coatings we strive to meet the challenges for both prototype and volume production demands. Achieving accuracies of 10-20 microns at our manufacturing site which operates 24 hours a day.



BLOWERS

Energy efficient screw blowers.

Whether you are looking for conventional 'Roots' type rotary lobe blowers or modern, new energy efficient twin-screw helical blowers our renowned manufacturing expertise can offer the perfect solution for today's modern air blowers and bulk product handling industries.

Holroyd Precision Rotors manufacture oil-free helical screws for industrial air blowers, which are used for discharging granulated and dry bulk materials such as grain, powdered chemicals, sugar, flour and dry cereals.

Our screw sets support the following industries and applications:

- Wastewater treatment
- Pneumatic conveying of bulk powders
- Power generation
- Food & beverage
- Pharmaceuticals
- Chemicals
- Pulp & Paper
- Textiles
- Petrochemicals
- Steel





PUMP SCREWS

For offshore and marine applications pumping high pressure viscous fluids.

Over many years our experience has grown in the development and manufacture of pump screws for many applications. Our capability has been extended to include the manufacture of high precision metering screws demanded for use in the petrochemical industry.

Our technical knowledge of helical forms and our expertise in grinding allows us to provide our customers with efficient and effective pump screw manufacture.

Typical applications:

- Off-shore and marine installations
- Water treatment
- Oil transfer
- Liquid and gas fuel metering
- Lift pumps
- Lubrication systems

VACUUM SCREWS

Vacuum pump technology plays a key role in general manufacturing applications, spanning a wide range of industries.

Vacuum pump technology aims to run cleaner, utilise less power, as well as generate less noise, vibration and heat. Together with Holroyd Precision Rotors we have the necessary experience to work in partnership with you to achieve these aims.

Our technical knowledge of helical forms and our expertise in grinding these forms, aids our customers to provide efficient and effective vacuum screw manufacture and design.

From many years experience in the compressor industry we can produce screws to extremely tight tolerances across a range of materials.



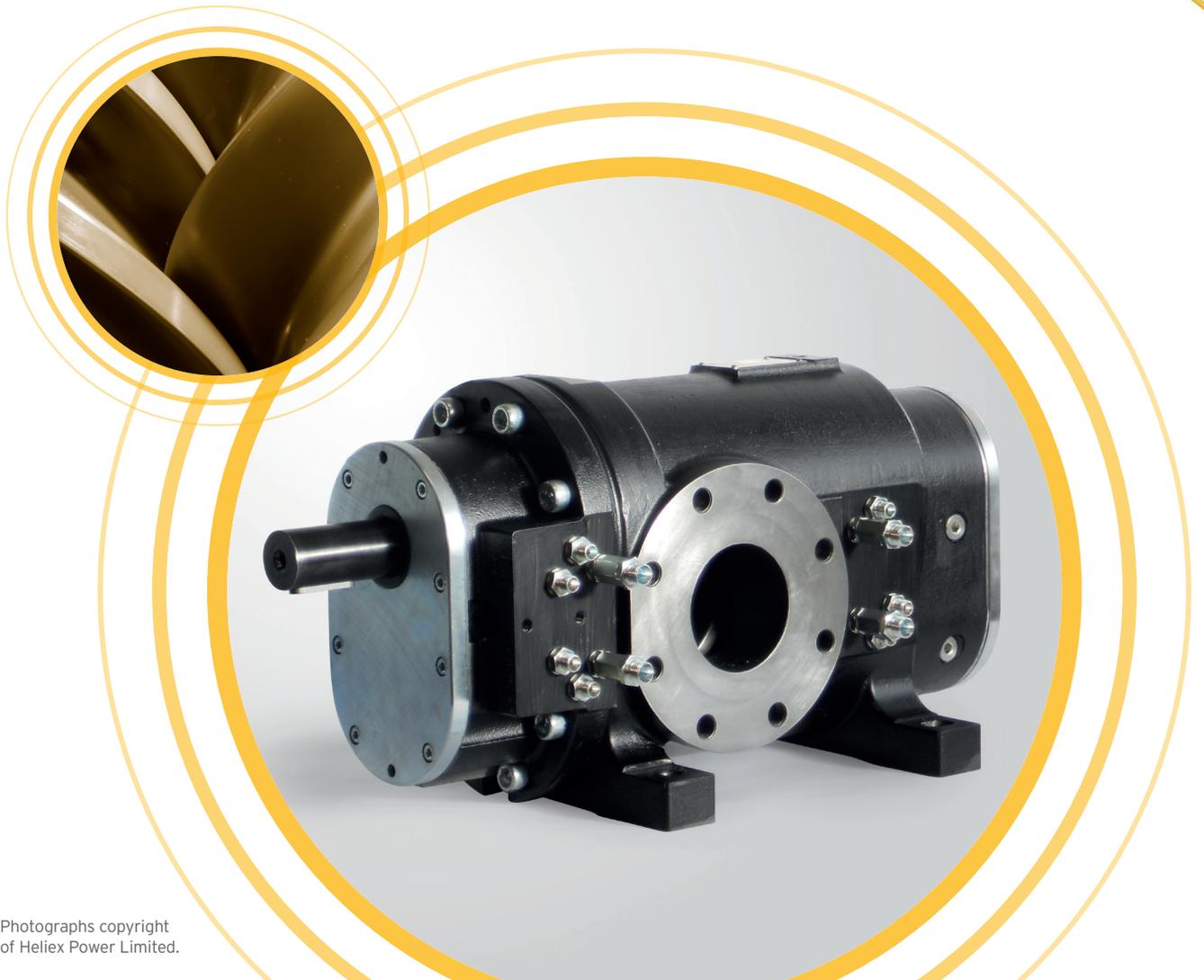
EXPANDERS

With the market rapidly developing for waste heat recovery, Holroyd Precision Rotors supply a wide range of helical screws for use in this application.

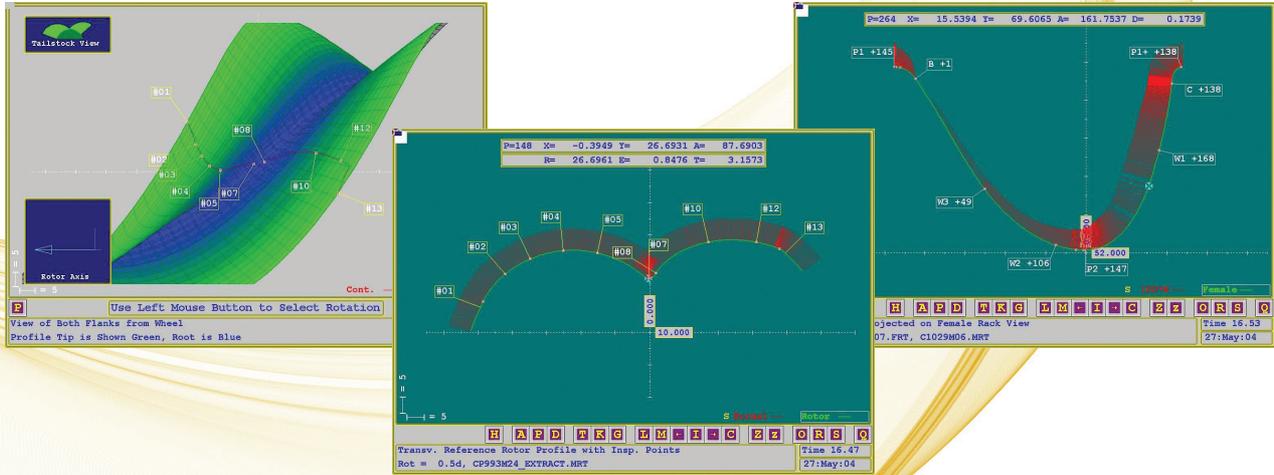
A large number of natural and industrial processes release heat to the environment which is often "low grade" and this is normally accepted as waste heat.

Expanders can use that heat to produce clean electrical power, through the efficient expansion of wet steam. At the heart of the expander is a highly engineered set of helical screws.

With our technical expertise and flexible manufacturing process we are able to produce high accuracy hard wearing rotors to suit this process. We are able to offer a range of hard coatings to maximise rotor life.



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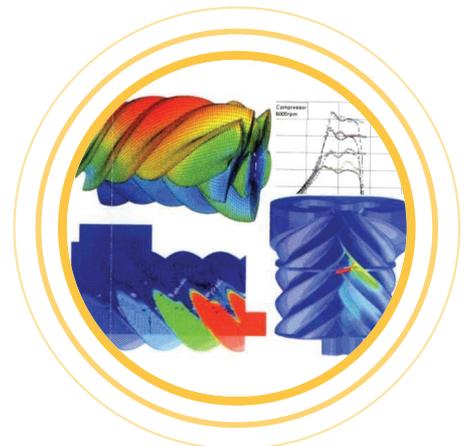
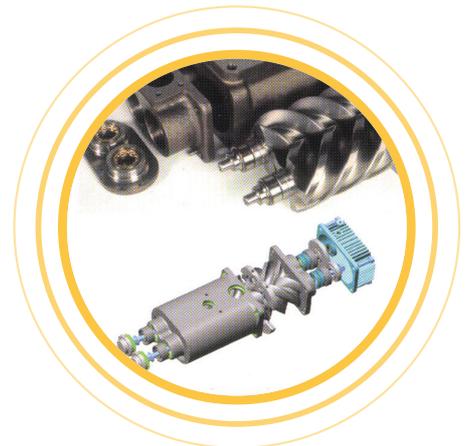
DESIGN & OPTIMISATION

From design to optimisation, new or old profiles, Holroyd Precision Rotors can lead the way.

Every customer would like to make a better product, cheaper and quicker. This is achieved by Holroyd Precision Rotors utilising the highly advanced Holroyd Profile Management System (HPMS) software.

HPMS is applied in the development and control of profiles for Screw Rotors, Vacuum and Pump Screws. The software allows for the manipulation of files to obtain a more favourable profile for machining. HPMS is also used as a tool to aid in the control of the profile during production.

Holroyd Precision Rotors can provide COMPRESSOR & PROFILE DESIGN CONSULTANCY in partnership with City University in London to help customers design new profiles and optimise existing profiles.





**HOLROYD
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A WORLD OF ABSOLUTE PRECISION

Holroyd Precision Rotors has a global network of sales agents.
To find your nearest representative, please visit:

holroyd.com



FM 524393
PTG operate a quality management system which complies with the requirements of BS EN ISO 9001:2015

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