SMALLER | LIGHTER | FURTHER
The Rotron range of advanced rotary engines offers a unique breadth of flexibility to meet the high demands of UAV manufacturers looking for superior power-to-weight ratios, while remaining lightweight, reliable and with almost zero vibration.

With our patented rotor and water cooling systems, the Rotron range delivers a more consistent and uniform heat reduction pattern, while minimising the exterior form-factor to allow UAV designers to maximise the interior space of any platform, facilitating more flexible choices of fuel and payload configurations to ensure true multi-mission capability. This innovation in engine cooling process has led our engines deliver a higher endurance lifecycle and are less prone to metal fatigue and component wear in comparison with existing and incumbent rotary engines.

Fitted with electronic fuel injection as standard, Rotron engines have accurate altitude compensation allowing for greater payload flexibility, improved operational range and the ability to explore areas that were precisely difficult to reach.

The Rotron range also boasts commercial-off-the-shelf heavy fuel variants of both the RT300 and RT600 engines. Rotron uses unique patented technology enabling heavy fuel propulsion coupled with engine longevity, durability and reliable starting under the most extreme of operating conditions. Rotron rotary engines reflect a completely new approach to UAV propulsion by redefining the relationship between size, performance, efficiency and reliability.
Rotron have revolutionised rotary technology, and have been at the forefront of rotary engine design since the creation of its first Rotron engine, a specialised high-altitude single-rotor powered engine that has received praise of the impossible. At over 26,000 ft in the extreme conditions of Mount Everest - a feat that many said could not be done. Today we continue our proud tradition of defining continuous, still leading the way in the field of rotary technology, still an innovator and still committed to developing new solutions that offer real, measurable results across diverse platforms.

WE LISTEN & PARTNER

Before we embark on any project, we must know why we are doing it and then be able to measure its impact and evaluate its success. Our approach is to “listen and partner”, rather than “analyse and tell”. This allows us to build a deeper trust-based relationship, foster better engagement and ensure the optimum environment for productive collaboration. We work with you to help unleash the energy and creativity across all levels of the project and to develop solutions that stakeholders are excited by and can commit to. We believe in setting challenging targets, to drive ourselves on and ensure we deliver results.

WE INNOVATE

Rotron boasts a highly valuable in-house resource: our engineers. It is their passion, expertise and creativity that has ensured the development of our innovative technologies and processes, exploiting our highly versatile and widely capable manufacturing and production facilities to offer you engine solutions with groundbreaking levels of performance combined with high levels of efficiency and reliability.

Our engineers are some of the brightest and best and we seek to inspire the next generation by participating in impactful educational placement schemes, while providing high-quality employment and training for our staff. By investing significantly in research and development, we are able to continuously develop new technologies which improve efficiency and contribute to the enhanced performance of critical applications for you, our customers.

WE ADAPT

To meet the high demands of our customers we have to be able to react quickly and effectively. The decentralized design and manufacturing systems that we employ equip us with the ability to respond quickly through multiple design iterations to achieve optimum functionality and performance. Our production system is highly adaptable, allowing us to work with the latest processes and technologies and is ideally suited to both prototype runs, medium-sized batch and full-scale production.

WE DELIVER

To date, Rotron have delivered advanced high performance rotary propulsion systems for aviation corporations, governments and universities worldwide, as well as small and large batch engine designs. Whether the application has required one of our existing engine range, a radically modified off-the-shelf engine or a completely bespoke engine designed and manufactured to your specifications, our customers have found that the results exceed the perceived return on investment.

YOUR ENGINE PARTNER

TOGETHER WE CAN DO SO MUCH MORE...
Customers talk about innovation in engines, but what’s underestimated is the innovation in our processes and operations. Our commitment to researching new processes and manufacturing techniques has enabled enhanced engine designs. The demands for short lead times and unmatched quality are everyday challenges at Rotron. The ability to manufacture complex components both in house and via carefully selected suppliers is paramount. Our policy of continual investment in the most sophisticated and efficient CNC machines and CAM capability, enhances existing capabilities and adds new in-house processes, allowing us to meet, and exceed, our customer’s requirements.

OUR ADVANTAGE

INNOVATION IN PROCESSES & OPERATIONS

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CAD/CAE DESIGN

Rotron has a highly competent and professional engineering capability with considerable experience of rotary and propulsion system design. Armed with the latest generation of computer-aided design (CAD) and engineering (CAE) software, our engineering team is able to undertake clean sheet design and optimise them quickly and efficiently. This includes a solid modelling, simulation analysis and systems modelling capability. Project teams lead by Principal and Senior Engineers ensure that our innovative designs meet our customer’s exacting requirements through regular client liaison and project reviews. All manufacturing drawings are produced according to BS:8888 standards.

ANALYSIS & SIMULATION

Rotron assess and evaluate every engine component that we produce to exacting standards. Our analysis and simulation processes are fully integrated into our engineering, manufacturing and inspection operations using proprietary software in conjunction with additional tools we have developed in house. High specification simulation software provide the means for our engineers to carry out finite element analysis (FEA). The same unique processes used throughout the engineering of our ‘off-the-shelf’ engines are also applied in the design, analysis and validation of bespoke engines.

MANUFACTURING

New components and systems are developed and proved in research and development and the 3D CAD data generated during this process are available for use directly by engineering in the detailed engineering design process. Assembly modelling software checks for fits and functions of all components with a high degree of accuracy, ensuring that the final assembly process is error-free and avoiding the need for costly development rework. The 3D model data is used in CAD/CAM operations to enable Rotron’s engineers to manufacture components to exacting requirements and to produce assembly instructions for the factory floor and illustrations for operator manuals.

ENGINE ASSEMBLY

Highly skilled technicians hand build every engine with full build/tracking records and certification of conformance being stored on a central database showing full and easy traceability for serial numbers and build configurations. We also record the engine’s progress which accompanies the engine when shipped. Build integrity is checked with test procedures conducted at a dedicated test area by a separate team of technicians. Should a customer’s application demand unique assembly procedures, separate specialist areas can be created on a temporary or permanent basis.

QUALITY CONTROL

Rotron’s quality system is constantly refined to meet the ever-increasing expectations of our customers. Quality is built through the close monitoring of all processes in line with AS9100 procedures, from receiving raw materials to supplying finished assemblies and components, every stage is recorded offering our customers the confidence of knowing that they are receiving consistent and repeatable levels of quality. This continual use of standard operating procedures releases staff at all levels from understanding what is expected of them, and appreciate the importance of customer satisfaction. Quality and procedural information is routinely audited and used as measurement for any resulting improvement actions.

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For operators, Rotron engines ensure that UAV platforms are operationally capable and mission ready at all times. With minimal radial and torsional vibration combined with a low internal heat signature and reduced component wear, Rotron delivers a higher endurance lifecycle and engine longevity. With fewer parts and heavy fuel option, Rotron engines offer easier maintenance and lower logistical footprint out in the field.

Rotron’s advanced rotary technology offers increased range capabilities, efficient fuel burn, high endurance lifecycles and low maintenance, thus enabling significant improvement in operational performance.

**OPERATIONAL IMPACT**

A ROTARY ENGINE IS VIEWED AS ONE OF THE MOST PROMISING POWERPLANTS FOR UAV’S BECAUSE OF ITS HIGH POWER DENSITY, COMPACT SIZE, LIGHT WEIGHT AND LOW VIBRATION**

The Rotron range of advanced rotary engines is a proven solution offering higher operational efficiencies through our unique package size, weight and layout. With Rotron, UAV manufacturers now have the option to streamline cowlings and improve aerodynamic efficiency. For existing platforms, the small form-factor of our engines offer greater flexibility in fuel and payload configuration and deliver true multi-mission capability.

**SMALLER**

| Engine | Size
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<tbody>
<tr>
<td>RT450</td>
<td>22&quot; W x 15 Side x 15 Top</td>
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<td>RT650</td>
<td>25&quot; W x 18 Side x 18 Top</td>
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<tr>
<td>RT850</td>
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**FURTHER**

| Engine | Size
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**LIGHTER**

| Engine | Size
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<td>RT650</td>
<td>25&quot; W x 18 Side x 18 Top</td>
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<tr>
<td>RT850</td>
<td>28&quot; W x 21 Side x 21 Top</td>
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**MISSILE IMPACT**

| Engine | Size
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<td>RT450</td>
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**MISSILE IMPACT**

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<tr>
<td>RT850</td>
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</table>

1. Rotron engines deliver increased range capabilities, efficient fuel burn, high endurance lifecycles and low maintenance, thus enabling significant improvement in operational performance.
The Rotron 300 rotary engine is a proven and durable solution for UAV platforms looking for high power-to-weight ratios. This compact, single rotor engine utilises the latest advanced rotary technology and premium materials to produce industry leading performance in a lightweight, reliable and efficient package.

- Suitable for small to medium UAVs requiring up to 32HP
- High power-to-weight ratio with increased efficiency
- Compact package size allows greater fuel and payload availability for multi-mission capability
- Low levels of torsional vibration and zero radial vibration at mid-to-high rpm range
- Fuel injection and ECU controlled altitude compensation fitted as standard
- Higher endurance lifecycle
- Available in pusher or tractor (puller) configurations, with either direct or reduction drive

**Suitable for UAVs requiring up to 32HP**

**Specs**

**Engine Type**
- Rotary Engine

**Fuel Type**
- Rotron 300 EFI

**Max Power**
- 32 HP @ 7500 RPM

**Max Continuous**
- 30 HP @ 6600 RPM

**Max Torque**
- 24 lbs / ft @ 6500 RPM

**Compression Ratio**
- 9.6:1

**Displacement**
- 300cc

**Block Weight**
- 11.9 kg / 24.27 lbs

**Starting Device**
- External / Onboard (optional)

**Cooling**
- Liquid Cooling

**Fuel Consumption**
- 0.54 lbs / per HP / per HOUR (at 5500 RPM cruise)

**Min/Max Ambient Temperature**
- -20 to 50 DEG. CELSIUS

**General**
- 300W STD Generator (Options available)

**Additional Features**
- ECU Controlled Altitude Compensation
- Higher Endurance Lifecycle
- Available in pusher or tractor (puller) configurations, with either direct or reduction drive

**Performance**

- [Graph showing performance data]

**Suitable for UAVs requiring up to 32HP**

**Engine Type**
- Rotary Engine

**Fuel Type**
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- 32 HP @ 7500 RPM

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- 30 HP @ 6600 RPM

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**Compression Ratio**
- 9.6:1
**Rotron 300HFE**

Suitable for UAVs requiring 31HP

The Rotron 300HFE rotary engine delivers an efficient and reliable solution for use with heavy fuels. This compact, single-rotor engine utilizes advanced fuel management techniques to achieve reliability in operation, high power-to-weight ratios, low fuel consumption and reliable starting under the most extreme of operating conditions.

- Suitable for small to medium UAVs requiring up to 31HP
- For use with JP5, JP8 and Jet A1 heavy fuel
- High power-to-weight ratios with increased efficiency
- Compact package size allows greater fuel and payload flexibility for multi-mission capability
- Low levels of torsional and zero radial vibration at idle for high-performance
- Fuel injection and ECU controlled altitude compensation fitted as standard
- Higher endurance lifecycle
- Available in pusher or tractor (pulled) configurations, with either direct or reduction drive

**Specifications**

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Fuel Type</th>
<th>Max Power</th>
<th>Max Continuous</th>
<th>Max Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Rotor, Spark Ignition Engine</td>
<td>JP5 / JP8 / JET A1</td>
<td>31 HP @ 7500 RPM</td>
<td>28 HP @ 6600 RPM</td>
<td>23.2 lbs / ft @ 6500 RPM</td>
</tr>
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**Performance**

<table>
<thead>
<tr>
<th>Performance</th>
<th>Spec</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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<td>Spec</td>
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<td>Spec</td>
</tr>
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<td>Fuel</td>
<td>Spec</td>
<td>Spec</td>
</tr>
<tr>
<td>Temp</td>
<td>Spec</td>
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</tr>
</tbody>
</table>

The Rotron 300HFE rotary engine is suitable for small to medium UAVs requiring up to 31HP. For use with JP5, JP8 and Jet A1 heavy fuel, it offers high power-to-weight ratios with increased efficiency, compact package size allowing greater fuel and payload flexibility for multi-mission capability, low levels of torsional and zero radial vibration at idle for high-performance, fuel injection and ECU controlled altitude compensation fitted as standard, and a higher endurance lifecycle.

Available in pusher or tractor (pulled) configurations, with either direct or reduction drive.
The Rotron 600 rotary engine is a proven and durable solution for UAV platforms looking for high power-to-weight ratio. This compact, twin rotor engine utilizes the latest advanced rotary technology and premium materials to produce industry leading performance in a lightweight, reliable and efficient package.

- Suitable for small to medium UAVs requiring up to 58HP
- High power-to-weight ratio with increased efficiency
- Compact package size allows greater fuel and payload availability for multi-mission capability
- Low levels of torsional vibration and zero radial vibration at mid- to high rpm range
- Fuel injection and ECU controlled altitude compensation fitted as standard
- Higher endurance lifecycle
- Available in pusher or tractor (puller) configurations, with either direct or reduction drive

Suitable for small to medium UAVs requiring up to 58HP

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>ENGINE TYPE</td>
<td>TWIN ROTOR, SPARK IGNITION ENGINE</td>
</tr>
<tr>
<td>CYLINDER</td>
<td>2</td>
</tr>
<tr>
<td>MAX. POWER</td>
<td>58 HP @ 7500 RPM (DIN 70020)</td>
</tr>
<tr>
<td>MAX. CONTINUOUS</td>
<td>54 HP @ 6500 RPM (DIN 70020)</td>
</tr>
<tr>
<td>MAX. TORQUE</td>
<td>43.5 lbs / ft @ 6500 RPM (DIN 70020)</td>
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<tr>
<td>DISPLACEMENT</td>
<td>600cc</td>
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<tr>
<td>COOLING</td>
<td>LIQUID COOLING</td>
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<tr>
<td>FUEL CONSUMPTION</td>
<td>0.53 lbs / per HP / per HOUR (AT 5500 RPM CRUISE)</td>
</tr>
<tr>
<td>MIN/MAX AMBIENT TEMPERATURE</td>
<td>-20 to 50 DEG. CELSIUS</td>
</tr>
<tr>
<td>POWER-TO-WEIGHT RATIO</td>
<td>2.73 HP / KG</td>
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<tr>
<td>COMPRESSION RATIO</td>
<td>9.6:1</td>
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<tr>
<td>STARTING DEVICE</td>
<td>EXTERNAL / ONBOARD (OPTIONAL)</td>
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<tr>
<td>WEIGHT</td>
<td>21.2 kg / 46.7 lbs (CORE BLOCK WEIGHT ONLY)</td>
</tr>
<tr>
<td>ECU CONTROLLED ALTITUDE COMP.</td>
<td>Fitted as standard</td>
</tr>
<tr>
<td>ADDITIONAL FEATURES</td>
<td>Fuel injection and ECU controlled altitude</td>
</tr>
</tbody>
</table>

**Performance**

- Higher endurance lifecycle
- Available in pusher or tractor (puller) configurations, with either direct or reduction drive.
The Rotron 600HFE rotary engine delivers an efficient and reliable solution for use with heavy fuels. This compact, twin-rotor engine utilizes advanced fuel management techniques to achieve reliability in operation, high power-to-weight ratios, low fuel consumption and reliable starting under the most extreme of operating conditions.

- Suitable for small to medium UAVs requiring up to 56HP
- For use with JP5, JP8 and Jet A1 heavy fuel
- High power-to-weight ratio with increased efficiency
- Compact package size allows greater fuel and payload flexibility for multi-mission capability
- Low levels of torsional and zero radial vibration all rated for high performance
- Fuel injection and ECU controlled altitude compensation fitted as standard
- Higher endurance lifecycle
- Available in pusher or tractor (pulled) configurations, with either direct or reduction drive

The Rotron 600HFE is suitable for small to medium UAVs requiring up to 56HP.
BESPOKE PROPULSION

WHATEVER YOU'RE THINKING, THINK BETTER!

Innovative design and advanced engineering at the forefront of Rotron’s smaller size, lighter weight and enhanced performance. Our proven ability to go the distance in performance, reliability and durability is testament to this ethos – yet with today’s application manufacturers expecting more from their propulsion systems, the correct ‘off-the-shelf’ engine is not always available to meet those demands.

Our bespoke engines are not simply our ‘off-the-shelf’ power plants with more horsepower; it’s a completely custom propulsion system that harnesses the significant R&D, technical expertise and innovative spirit borne out of our standard rotary engines, and applies it to a bespoke power unit – alongside tailored design, engineering and technology – to deliver a breadth of application flexibility, and a rotary engine optimised for your specific operation and environment profile.
BESPOKE UNMANNED

With UAVs emerging onto most theatres of operations, manufacturers are coming under increased pressure to deliver aircraft that meet the high demands. UAV manufacturers are looking for abundant power-to-weight ratios, while remaining lightweight and reliable. To meet these requirements, the correct ‘off-the-shelf’ engine is not always available. At Rotron, we can produce engines which surpass stand reliability and performance, and can be tailored to handle some of the most extreme mission profiles.

MALE VTOL APPLICATION

To meet the challenges of extreme operating environments and payload flexibility, Rotron designed and developed new engine architecture for a Medium Altitude, Long Endurance (MALE) VTOL platform. The project is a demonstration of Rotron’s ability to adapt its existing catalogue of off-the-shelf engines to deliver exact performance criteria to meet the customer’s operational requirement.

The bespoke propulsion system is predominantly modelled around the Rotron RT600, but with our knowledge of combustion, engine design, calibration and production we have adapted our existing engine line to deliver this custom VTOL propulsion system along with a specialist exhaust cooling system. Rotron has optimised the use of these technologies to deliver improved thermodynamic performance and increased fuel efficiency. The completed propulsion system weighs in at 28.2kg, produces a peak of 64hp and successfully completes a FAR33 endurance test.

HALE FIXED-WING APPLICATION

By combining our core competencies in design, manufacture and integration and working closely with customers we can deliver whole, concept to manufacture, engine programmes. Rotron has undertaken a programme to design and integrate a complete bespoke heavy fuel propulsion package specifically for a High Altitude, Long Endurance (HALE) fixed wing UAV platform.

Rotron developed a concept tri-rotor engine capable of delivering 200hp. The power-dense engine has been uniquely designed, configured and tested to produce an improved thermodynamic cycle and an engine architecture optimised for performance and fuel efficiency. The engine is multi-fuel capable with the majority of testing carried out with JP8 heavy fuel. The completed propulsion system weighs in at 350kg.
Over the past 10 years, Aviation Authorities worldwide have been implementing the biggest change in regulation for 50 years, heralding a recreational sport flying revolution. This bold decision has created a wave of aeronautical design activity, giving the green light easier for manufacturers to consider entering the light sports aircraft (LSA) market with the minimum of regulation. With its advantages in weight, size, and reliability, coupled with high power-to-weight performance, Rotron’s rotary technology is uniquely positioned to aid LSA manufacturers in maximising opportunities for innovation and cost-effective development.

Rotron’s significantly smaller size and lightweight advantage has the substantial benefit of maximising the interior space of any airframe offering greater design and configuration flexibility, as well as contributing to the overall aircraft weight saving to comply with LSA regulations. Combined with its size and weight advantage, our rotary technology offers high power-to-weight performance to maximise the rate of climb while retaining an efficient fuel burn and cruise capability.

E-GO LIGHT SPORTS AIRCRAFT

e-Go Aeroplanes Limited, the UK’s first ever manufacturer of lightweight carbon fibre aeroplanes, is currently exploiting the newly deregulated environment in the UK to create a light sports aircraft that combines leading-edge aerotechnical engineering with Rotron’s proven rotary engine technology, an aircraft that embodies the best of British design and technology. The 30HP bespoke Rotron powerplant weighs just 23kg, including ancillaries, and is a significant step towards keeping the total aircraft below the regulated 115kg whilst delivering a high level of fuel efficiency and engine performance.
The dramatic increase in the number of hybrid and all-electric vehicles under development has led to the search for the ideal range extender; a power unit which can charge the vehicle’s batteries on the move and overcome ‘range anxiety’. The high power-to-weight ratio, compact size and light weight of Rotron’s rotary engine technology make it the perfect on-board power source for the next-generation of high-efficiency hybrids.

Installed in a serial hybrid design which uses electric motors to power the vehicle, our rotary technology is used to drive a high-speed generator, creating electricity when the vehicle’s batteries are running low. The engine is only activated when required, running continuously at its most efficient operating speed.

Compared to existing and incumbent reciprocating engines which are used in current hybrid vehicles, Rotron rotary technology offers multiple advantages in performance, size and reliability.

**SIZE ADVANTAGE**
With Rotron’s significantly smaller size advantage, vehicle manufacturers have the substantial benefit of maximising the interior space of any chassis or vehicle framework, offering greater flexibility in powertrain design and configuration, as well as contributing to weight and complexity reductions.

**WEIGHT ADVANTAGE**
The Rotron rotary engine is dramatically lighter; installing a Rotron power unit in place of a conventional piston engine can lead to overall vehicle weight savings, resulting in enhanced handling due to greater flexibility in weight distribution as well as increased performance, efficiency and range.

**PERFORMANCE ADVANTAGE**
With minimal radial and torsional vibration combined with a low internal heat signature and reduced component wear, Rotron engines smooth operation, increased engine longevity and reduced long-term durability. With fewer moving parts, the Rotron rotary engine ensures reduced component wear and increased engine longevity for minimum maintenance. Combined with its size and weight advantage, our rotary technology offers increased range capabilities and efficient fuel burn, thus enabling significant improvements in overall vehicle performance and efficiency.
salt or fresh, water is tough on engines. so when it comes to choosing powerful propulsion for your time on the water it makes sense to trust world-leading rotary technology that is easy to handle and effortless to use.

Rotron are specialists in developing rotary propulsion systems for some of the most extreme operating environments and understand the specific challenges of these intense settings. Our comprehensive corrosion protection system was developed to ensure your Rotron engine handles the rigours of the marine environment over the long haul.

Rotron Saltguard System

True corrosion protection begins with our use of high purity aluminium alloy with extremely low levels of copper—a metal highly susceptible to corrosion—that offers high tensile strength and maximum corrosion resistance. Key engine components receive a conversion coating treatment to create a further corrosion-resistant barrier before paint is applied, while exposed surfaces receive an electro-chemical hardcoat anodizing treatment. Electro deposition primer is added to the engine components to create a continuous organic film that seals out the environment. Primer-protected holes and other inaccessible areas are then treated with a chemically bonded surfacemguard solid. This interlocking surface layer prevents salt and chloride laden moisture from penetrating to the metal underneath and corroding from the inside out.

Additional built-in corrosion features, including a closed-cooling system and efficient engine seals, which locks out seawater from the block, not only imparts a use of stainless steel parts impervious to saltwater corrosion, contribute to a corrosion protection system which is the toughest and most complete corrosion-resistant technology on the water.
Established in 2008, Rotron Power Ltd. is a specialist manufacturer of advanced rotary engines for Unmanned Aeronautical Vehicle (UAV) applications.

Born out of extremes, the Rotron range of engines was built on the success of Mission Everest – an epic challenge that saw Rotron founder Gilo Cardozo team up with British adventurer Bear Grylls; their aim – to build an engine light enough to carry on their back yet powerful and robust enough to cope with extreme altitude flying, and to be the first to fly a powered paraglider above the summit of Everest. Pushing ultralight aviation technology to new limits, Gilo developed a revolutionary rotary engine capable of delivering 95hp and fitted with a unique dual-fuel injector system. On the 14 May 2007 the pair took off from the foothills of the high Himalaya, flying above Everest and achieved an altitude of 29,494ft - a feat many felt impossible. Rotron Power was born.

Today, Rotron engines provide a leap forward in rotary engine reliability and performance, offering proven commercial lightweight engines with the highest power-to-weight ratio of any normally aspirated engine. The company has supplied engines directly to UK and US Navy and many NATO country governments for use in their UAV programs and has fulfilled numerous contracts across military, commercial and recreational aviation applications.

The Rotron range of engines are in use globally and serve a wide variety of applications, from military and training, through to medical, polo, e-von, power sports, leisure and research and development aerospace projects. The company is continually developing new technologies to push the boundaries of what is possible, and the future is bright for the company and industry as a whole.

The Rotron Power team is committed to high-quality product development, quality assurance, and customer support. They are dedicated to providing the best possible service and support to their customers, and are always looking to improve and develop new technologies to meet the changing needs of the industry.

With a focus on innovation and performance, Rotron Power is at the forefront of the rotary engine industry, and is a leader in providing advanced rotary engines for a wide range of applications. The company continues to grow and expand, with a focus on delivering the highest quality products and services to their customers.
Our focus, determination and commitment to the development of advanced rotary engines and providing our customers with the best possible solution is reflected in the companies we work with, many of which are recognised as being leaders in their field.

For over 60 years, Martin-Baker has been the world leader in the design and manufacture of ejection seats. As pioneers in their field with over 7,000 aircrew lives saved, and supplier to over 75% of the Western world’s air forces, Martin-Baker represents the pinnacle of British engineering.

Rotron Power have built a strategic partnership combining Martin-Baker’s knowledge of design, testing, and material with Rotron’s vast experience and innovation in rotary engineering. The alliance has produced a unique rotary engine technology that offers a true alternative to existing, incumbent UAV propulsion systems and at a quality and standard that embodies all that is meant by ‘Made in Britain’.
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