



# ROTORTEK

ROTATING EQUIPMENT ENGINEERING & MANUFACTURING SPECIALIST

## COMPANY PROFILE

### ROTATING EQUIPMENT ENGINEERING & MANUFACTURING SPECIALIST

At Rotortek, we are driven by years of engineering and manufacturing experience, with strong business acumen and values. We are committed to deliver the utmost in quality and reliability to our customers.

Rotortek is a manufacturer of precision engineered sugar milling and processing equipment using cutting edge technology. Services include design, engineering, manufacture and supply (including refurbishment) of Shredder and Cane Knife Rotors, as well as on-site mechanical repairs (welding and machining), mill head-stock repairs, gear shaft replacements and manufacturing oversight of pressure and mechanical equipment for the sugar milling sector in Africa and the Indian Ocean Islands.

While the company specializes in rotors and other rotating mechanical equipment, it also supplies a range of spares, new mill rollers and re-shelling of rollers for sugar mill maintenance.



#### MISSION

Our mission is to provide unique engineering solutions to optimize manufacturing efficiency and deliver a precision high-quality product.



#### VALUES

We strive for excellence with complete transparency, traceability and accountability. Relationships are important to us, and we invest in honest, open, good relationships with our staff, customers and partners.



#### VISION

Manufacture world-class engineered products by drawing from our expertise and vast experience, using latest cutting-edge methodology and technology.

**BBEE LEVEL 1**

## ABOUT US

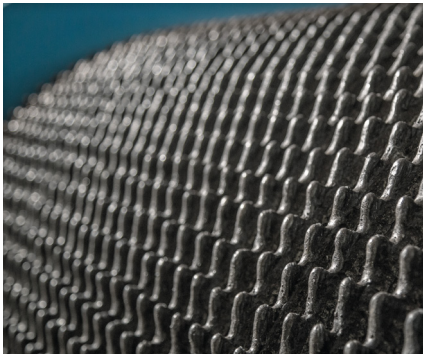
Rotortek is a dynamic engineering company that is dedicated to providing quality engineering services to ISO standards of workmanship and extensive engineering knowledge. The management at Rotortek will endeavour to connect with strategic alliance partners from around the world for specialised support services and latest technologies.

Our team members have actual “hands on” extensive engineering project knowledge and plant experience.  
We are committed to delivering innovative, efficient, and value driven solutions.

We specialize in the manufacture and assembly of medium to heavy mechanical components to world class standards.  
We are proud to be a 100% black South African owned company with a level 1 BBBEE rating.



## OUR SERVICES



Ushukela Engineers (Pty) Ltd – t/a Rotortek is one of the leading specialist suppliers of new and refurbished Shredder and Cane Knife Rotors. With our many years of engineering experience in the sugar sector, we are committed to providing equipment manufactured to the highest quality standards within project deadlines. On time delivery and good customer service will be given priority.

### WE ALSO SUPPLY SUGAR MAINTENANCE SPARES INCLUDING:

- New Mill Rollers.
- Mill Roller Reshelling.
- Shredder and Cane Knife Washboards.
- Kickers, Drums and Levellers.
- Coupling Boxes and Tail Bars.
- Worm & Wormwheels.
- Mill Bearings.
- Sugar Dryer Riding Rings.
- New Diffuser Sprockets.
- General mechanical components / sugar milling spares.
- New Tubesheets.

### OUR SERVICES:

- Onsite Mechanical Repairs (Welding and Machining).
- Mill Headstock Refurbs and Repairs (in house or on-site crack repairs / stress relieving).
- Gear Drive Shaft replacements.
- Specialist Fitting Crew.
- 3rd Party manufacturing oversight. (Pressure and Mechanical Equipment).

## OUR QUALITY ASSURANCE



### TRANSPARENCY AND TRACEABILITY ARE OUR TRADEMARK

Stringent quality procedures and processes.  
Compilation of Manufacturing Data Reports (MDR) or Quality Documentation Packages provided with all equipment new and refurbished.

Ensuring completely transparent traceability during the entire project.

At every step in our production process, we apply stringent procedures to ensure that we uphold our reputation for precision and, more importantly, give customers high quality products. Meticulous approach which includes constant monitoring and improvements to our manufacturing processes, which enables us to avoid possible non-conformances.

### REPORTS MAY INCLUDE:

Completed and signed Quality Control Plans.  
Material Certificates.

Dimensional Inspection Reports.

Non-Destructive Testing Report, Magnetic Particle Examination and Ultrasonic Inspections.

Heat Treatment Certificates.

Welding Qualifications.

Heat Treatment Charts.

### TRACEABILITY

All materials will be traceable from purchasing through to delivery of manufactured components, including all testing and certification.

### VERIFICATION/CALIBRATION

Continual calibration of testing and measuring equipment as well as frequent verifications of dimensional inspection practices, and metrology to ensure client requirements have been met.

### ENGINEERING + DESIGN

Specializing in Rotors and other Rotating Mechanical Equipment, we have partnered with a team of experienced design engineers who use state-of-the-art 3D modelling, Finite Element Analysis (FEA) and simulation software to provide optimized solutions to take your mechanical designs to 'Finished Product' with even greater accuracy.

### OUR TECHNICAL EXPERTISE / PARTNERS ARE SUPPORTED BY:

Using Solidworks and AutoCAD Inventor, and 3D simulation design. Our design engineers analyze stress and strain by simulating the loads on mechanical components to optimize equipment, and use the data collected which includes deflection of component and safety factors of components in operation.

### OUR PARTNERS:

We have partnered with Rotacon Engineering to provide manufacturing support for specialised equipment for the sugar industry.

Rotacon was established in 1979, by Dennis Gillespie, partners are Mrs Rachael Gillespie & Mr Leonard Ndebele. It has over 43 years' experience as a manufacturing engineering company. Having invested heavily in modern state of the art machinery and equipment, they remain one of the market leaders within the engineering sector.

The leadership at Rotortek and Rotacon Engineering both guarantee high quality products.

Our manufacturing standards are accredited to certification of ISO-9001:2008.

Visit [www.rotacon-engineering.com](http://www.rotacon-engineering.com) to view the workshop, and equipment.



ISO 9001:2015 CERTIFIED ORGANISATION




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## GET IN TOUCH

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Mervin Reddy

+27 82 563 7375 

mervin@rotortek.co.za 

enquiries@rotortek.co.za 

## LOCATION

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20 Manchester Road, Pinetown,  
KwaZulu-Natal, 3600, South Africa  
PO Box 39, Mount Edgecombe, 4300

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[www.rotortek.co.za](http://www.rotortek.co.za)