

The background of the page features a close-up photograph of two industrial valves with large, bright blue handwheels. The valves are mounted on a white pipe, and the overall scene is brightly lit, highlighting the metallic textures and the vibrant blue of the handwheels.

# **Business Company Profile**

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[www.muzvoprojects.com](http://www.muzvoprojects.com)

## Company Overview.

**MUZVO. Projects is one of the fastest growing suppliers of specialised equipment and spare parts to the mining industry in Southern Africa.**

Our comprehensive range of products includes slurry pumps, slurry pump spares, water pumps, water pump spares, rubber pipes and hoses, conveyors, and conveyor belting. The products are supported by a team of talented product and engineering specialists well able to provide full technical solutions.





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**MUZVO.**  
PROJECTS

# Our Mission

**Our mission is to provide high-quality products, exceptional customer service, and innovative solutions that meet the unique needs of our mining clients.**

We strive to build long-term relationships with our customers, founded on trust, reliability, and expertise.



**01**

We are committed to delivering top-tier products that meet the highest industry standards.

**02**

Our dedication to exceptional customer service is at the core of our mission.

**03**

Innovation drives our approach to problem-solving in the mining industry. We continuously seek out and implement cutting-edge technologies

**04**

Building long-term relationships with our customers is fundamental to our success. We cultivate partnerships founded on trust, reliability, and expertise.



## Our Commitment.



### QUALITY

We strive to deliver high-quality products and services that meet the unique needs of our mining clients.



### SAFETY

We prioritize the safety of our customers, employees, and the environment, ensuring compliance with industry regulations and standards.



### INNOVATION

We invest in research and development to stay ahead of industry trends and provide innovative solutions that drive efficiency and productivity.

# Our Products

We offer a wide range of products, including:



### **Slurry Pumps and Spares:**

Designed for heavy-duty applications, our slurry pumps and spares are built to withstand the toughest mining conditions.



### **Water Pumps and Spares:**

Our water pumps and spares are engineered for efficient and reliable performance, ensuring optimal water supply and management.



### **Rubber Pipes and Hoses:**

Our rubber pipes and hoses are designed for durability and flexibility, suitable for various mining applications.



### **Conveyors and Conveyor Belting**

Our conveyors and conveyor belting solutions are designed to optimize material handling and transportation in mining operations.

# Our Service

We offer a range of services to support our products, including:



## Technical Support:

Our experienced technicians provide expert advice and support to ensure optimal product performance.



## Maintenance and Repair

We offer maintenance and repair services to extend the lifespan of our products and minimize downtime.



## Training and Development:

Our training programs are designed to equip customers with the knowledge and skills needed to operate and maintain our products.



## Project Management

- Over 20 years experience managing projects
- Experience in successfully delivering minerals beneficiation projects across Africa
- Hands-on management style driving fast decision-making and clear accountability at every stage of the project, providing timely and effective solutions.
- Committed to delivering cost-effective, high-quality solutions that meet the unique challenges of the mining sector, both locally and internationally.

## Project Controls

- Project Estimation – Providing detailed material and labour resource estimates to support tendering processes
- Project Planning – Developing, resource loading and maintaining project schedules from Bills of Quantities and drawings, covering all phases from design to start-up.
- Cost Control – Managing project costs from set-up, cashflow projections, proactively manage claim events and align project execution with budgeted costs, perform variance analysis,
- Document Control and Project Administration - Efficient administration and management of project documentation throughout the project lifecycle

## Engineering Design

- Innovative and sustainable multi-disciplinary engineering design solutions for the mining sector, focusing on technical efficiency, environmental responsibility, and economic viability tailored to meet the industry's evolving demands for cost-effective, environmentally-friendly practices that optimize resource extraction and minimize environmental impact.
- Emphasis on cutting-edge technology and sustainable design helping clients navigate the challenges of modern mining operations.
- Delivering efficient, high-quality project solutions that drive successful outcomes across diverse industries and complex environments.

## Process Design

- Comprehensive process design solutions for the mining industry, focused on optimizing mineral extraction, beneficiation, and refining processes.
- Reduction in operational costs, enhance environmental performance, and boost profitability.
- Strong emphasis on sustainability
- Integration of advanced technologies, improving energy efficiency, and ensure compliance with evolving environmental standards.





## Engineering and Project Management



in Partnership with

# TAURUS

### **Project Execution**

Providing full turnkey solutions for mining operations, overseeing every phase of the project including:

- Project Planning & Mobilization: Clear scope definition, resource mobilization, and site preparation.
- Engineering, Procurement & Construction (EPC): Complete engineering design, procurement of materials, and construction of mining facilities.
- Commissioning & Start-up: Testing, commissioning, and training to ensure smooth transition to full operations.
- Health, Safety & Environmental Management: Strict adherence to safety protocols and environmental regulations.
- Cost & Schedule Management: Close monitoring of budgets and timelines to prevent overruns.
- Technology Integration: Implementation of automation and real-time data analytics to optimize performance.

### **Quality Management and Procurement for Client**

- Integration of quality management and procurement.
- Quality inspections during manufacturing and fabrication

### **Supported Contract Solutions**

- EPC (Engineer, Procure, Construct)
- EPCM (Engineering, Procurement & Construction Management) LSTK (Lump Sum Turnkey)
- ATC (Agreed Target Cost)





# Equipment Supply

in Partnership with



# ROYTEC

Global Separation Solutions

Johannesburg | Perth | Toronto | Yantai | Santiago



## ATTRITION FILTERS

Roytec and BGRIMM-MAT have extensive experience in fine grinding and scrubbing of metallic and non-metallic ores. Over past 60 years BGRIMM-MAT has successfully developed grinding and scrubbing technology in three major production lines with hundreds of applications globally. Compared with conventional horizontal ball mills, BGRIMM-MAT grinding and scrubbing equipment are suitable for fine particle grinding ( $\leq 1000$  micron), with energy saving by 20~40%, and media saving by 30%~50%. BGRIMM-MAT provides one-step service of combining test work, energy-consumption analysis, and solution comparison for a reliable equipment selection and plant process optimization.



## CERAMIC DISC FILTERS

In 2015 Roytec entered into a manufacturing agreement with Nuclear Industries YanTai Toncin located in the Shandong province of China. Over and above being Asia's largest Belt Filter manufacturer, Toncin deliver on average 200 sets Ceramic Disc Filters per annum. Toncin's sister company Heijing Ceramic, manufacture the ceramic disc's which are the "heart" of the Ceramic Disc Filter operation. Typical applications include Iron ore / magnetite, copper, gold.



## DUAL MEDIA AND MULTI MEDIA FILTERS

Roytec utilises South African and Chinese supply chains complete with original Spintek Filtration internals and media to ensure optimum value to our customers through competitive pricing for market leading technology. Roytec have successfully executed many solvent extraction filter packages to numerous customer's over the last 18 years treating large volumes of rich electrolyte and raffinate from mixer-settlers where as low as 10 and 2 mg/l of suspended solids and entrained organic respectively can be obtained in filter package outlet liquor to electro-winning.



## FILTER PRESSES

Roytec Global (Pty) Ltd offer a comprehensive filter press product line-up including plate and frame, recessed chamber, and membrane plate Side Bar and Overhead Beam designs. Our filter range includes options from manual to full automation. This robust filter press range is supplemented by extensive ancillary systems, including slurry pumps, cake wash pumps, high-pressure cloth wash pumps and membrane inflation water pump systems. Our Automatic HVPF Tower Filter Press technology offers filtration areas from 1.5m<sup>2</sup> to 156 m<sup>2</sup> with stainless steel and polypropylene filter plate options. Roytec pressure filtration systems offer high efficiency and excellent value.



## FLOTATION WITH BGRIMM

Roytec Global offers advanced flotation technology, in partnership with the Beijing General Research Institute for Mining & Metallurgy (BGRIMM). BGRIMM is Asia's leading mineral flotation supplier with over 20,000 cells in the field. In Southern Africa, BGRIMM references include multiple 320m<sup>3</sup> cells for a major copper project and +50 cells for the latest graphite and fluorspar concentrators. Our flotation cells are designed to maximize recovery and efficiency in both base and precious metal applications. Our expertise ensures optimized mineral separation, enhanced product quality, and sustainable operational efficiency, making us a trusted partner for flotation solutions across the globe.



## MAGNETIC SEPARATION WITH BGRIMM

Roytec has a long-term support agreement with the Beijing General Research Institute for Mining & Metallurgy (BGRIMM) covering their Magnetic Separation technology. BGRIMM is a leading magnetic separator supplier in Asia with thousands of units in that market. In Australia, BGRIMM references include over 300 off 1200 x 4000mm wet magnetic separators at one Magnetite producer, along with a Highly successful 400tph pre-concentration Dry Low Intensity Magnetic (DLIMS) Separator at another.



# Equipment Supply

in Partnership with



# ROYTEC

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## IX PLANTS

Roytec have been active in the design, fabrication, installation and commissioning of Ion Exchange systems since 2005. We provide Fixed Bed, Continuous Counter-Current (CCIX) and Resin in Solution Ion Exchange systems. Roytec work closely with IXT SA – a company specialising in Ion Exchange research and development, laboratory and pilot plant testing, flow sheet development and process design. Roytec take the overall project execution responsibility, for the design, fabrication, procurement, project management and site services.



## LINEAR SCREENS

Roytec provides a wide range of Horizontal Linear Screens for the dewatering of various mineral and industrial slurries. These simple, robust units are designed for high volumetric flows and offer unrivalled efficiency in oversize removal. Linear screens effectively cut down to 300µm aperture.



## PIN BED & DYNAMIC BED CLARIFIERS

Roytec are well known for our effective Pin Bed and Dynamic Bed Clarifier designs. Our uniquely developed units distinguish themselves with the use of our feed pre-treatment system (2 stage mixing), Novel Radflow™ Feedwell and formation of a fluidised solids bed capturing up to 80% of solids prior to final polishing within the media (PBC only). Expected overflow clarities between <20ppm for PBC and <50ppm are typically observed on our units". (word count = 72)  
Units of up 15m diameter are available operating up fluxes up to 15m<sup>3</sup>/m<sup>2</sup>/h.



## REAGENT PLANTS

Roytec offers a full range of Continuous and Batch Reagent make-up and dosing Reagent Plants. Our Continuous Flocculant Plants have designated mixing/hydration tank and dosing tank which range from 0.8m<sup>3</sup> to 19.0m<sup>3</sup> (total volume). These units are skid mounted (20ft or 40ft footprint) with all motors, valves and instruments pre-wired to a composite MCC Local Control Panel for "plug-and-play" installation on site. Our Reagent suite includes large Batch Flocculant Plants ranging from 10.0m<sup>3</sup> to 500.0m<sup>3</sup> tank volumes complete with dry powder handling systems and dosing skids to suit.



## THICKENERS

This proprietary technology covers conventional, high rate, high density and paste thickening. We are well known for CCD circuits, with extensive experience in gold, copper and uranium for both acid and alkaline conditions. Roytec's revolutionary RadFlow™ Feed well was developed in conjunction with a leading PhD in fluid dynamics and is now well recognized to significantly improve thickener and clarifier operation through efficient energy dissipation and flow distribution.



## TOWER PRESS FILTERS

With the same partners (Toncini) we offer the Roytec Toncin Tower Press up to 168m<sup>2</sup> effective area. Toncin are Asia's leading Tower Press supplier with 250 units in the field and a strong reputation for operability, ease of maintenance and great value for money. We are very active in supply of components and complete plate packs for other Tower Press brands in Australia, South Africa and South America.



## Equipment Supply

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### VACUUM BELT FILTERS

Roytec's fabricator in Yantai, China are the leading Belt Filter fabricator globally with the capability to deliver filters up to 200m<sup>2</sup>.

Roytec have allowed for the major belt filter components to be manufactured in China, with mechanical/electrical equipment (Gearboxes, electrics, bearings, instruments, etc.) being International brands serviced by OEM's globally.

Roytec provide the application engineering, in-house Belt Filter designs and parametric models, and full guarantees along with the western interfacing requirements (specifications / QA/QC etc.).



### VIBRATING SCREENS

Founded in 1997, Landsky is located in the High-tech Industrial Park of Tangshan City, Hebei Province. Landsky is a leading high-efficiency screening technology and equipment R&D and manufacturing company. After more than 25 years development, the company has gradually formed four core technology systems namely, heavy-duty screening equipment, fine-grain screening equipment, cyclone classification technology and equipment, and wear-resistant screen products.



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# Company Profile 2025

Member of the  
Taurus Group.



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