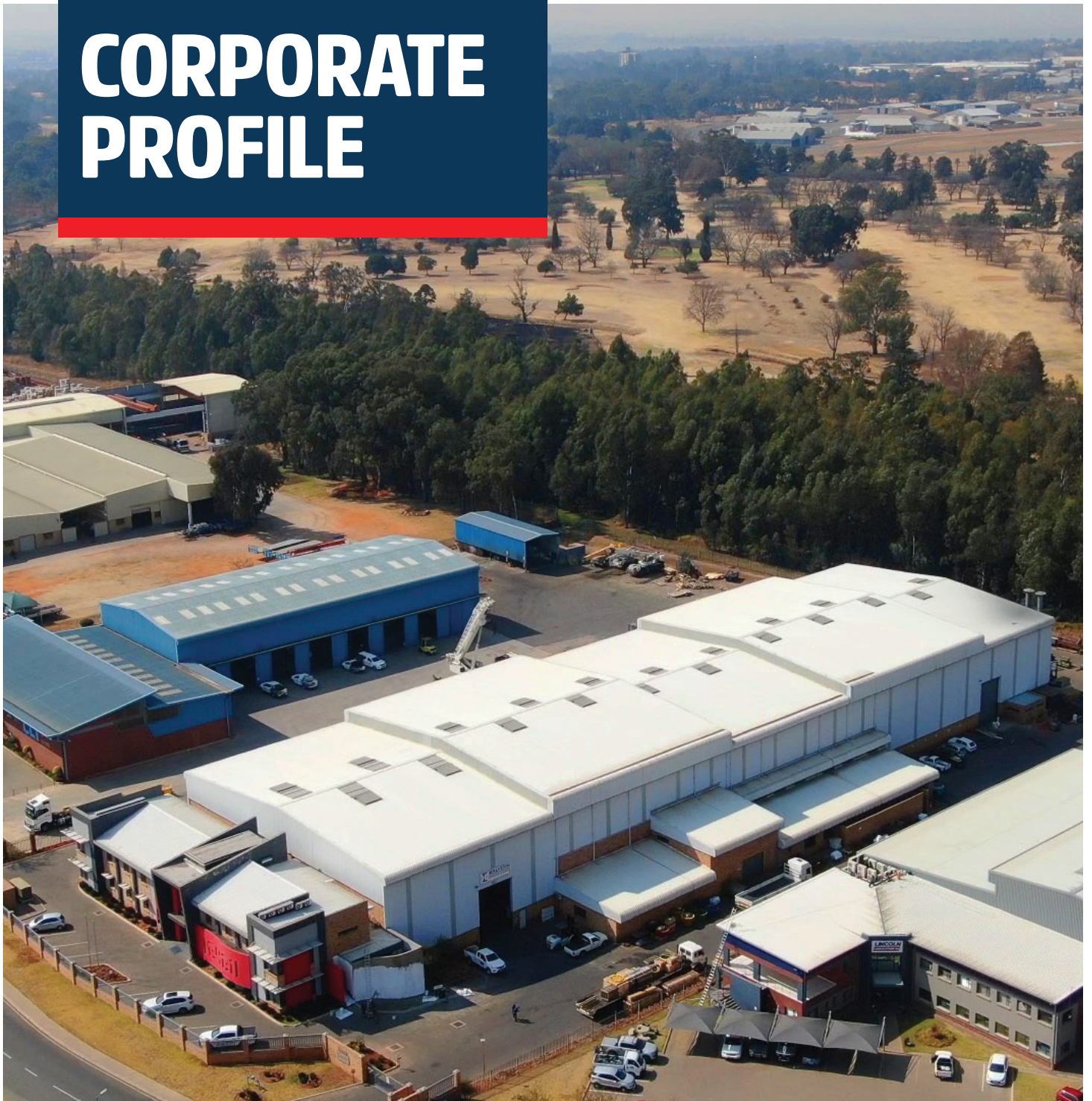


CORPORATE PROFILE



SERIOUS
ABOUT
SERVICE



MALVERN
ENGINEERING

WWW.MALVERN.CO.ZA

ABOUT MALVERN ENGINEERING

Malvern Engineering was established in June 1947, as a general engineering shop, servicing the mining industry in South Africa. Over the company expanded, manufacturing a wide range of products such as sheave wheels, heavy media drum separators, various high and low intensity separators, suspended electro-magnets, cyclones, sieve bends, fine coal and vibrating screen centrifuges. Designing of its own equipment started in 1980.

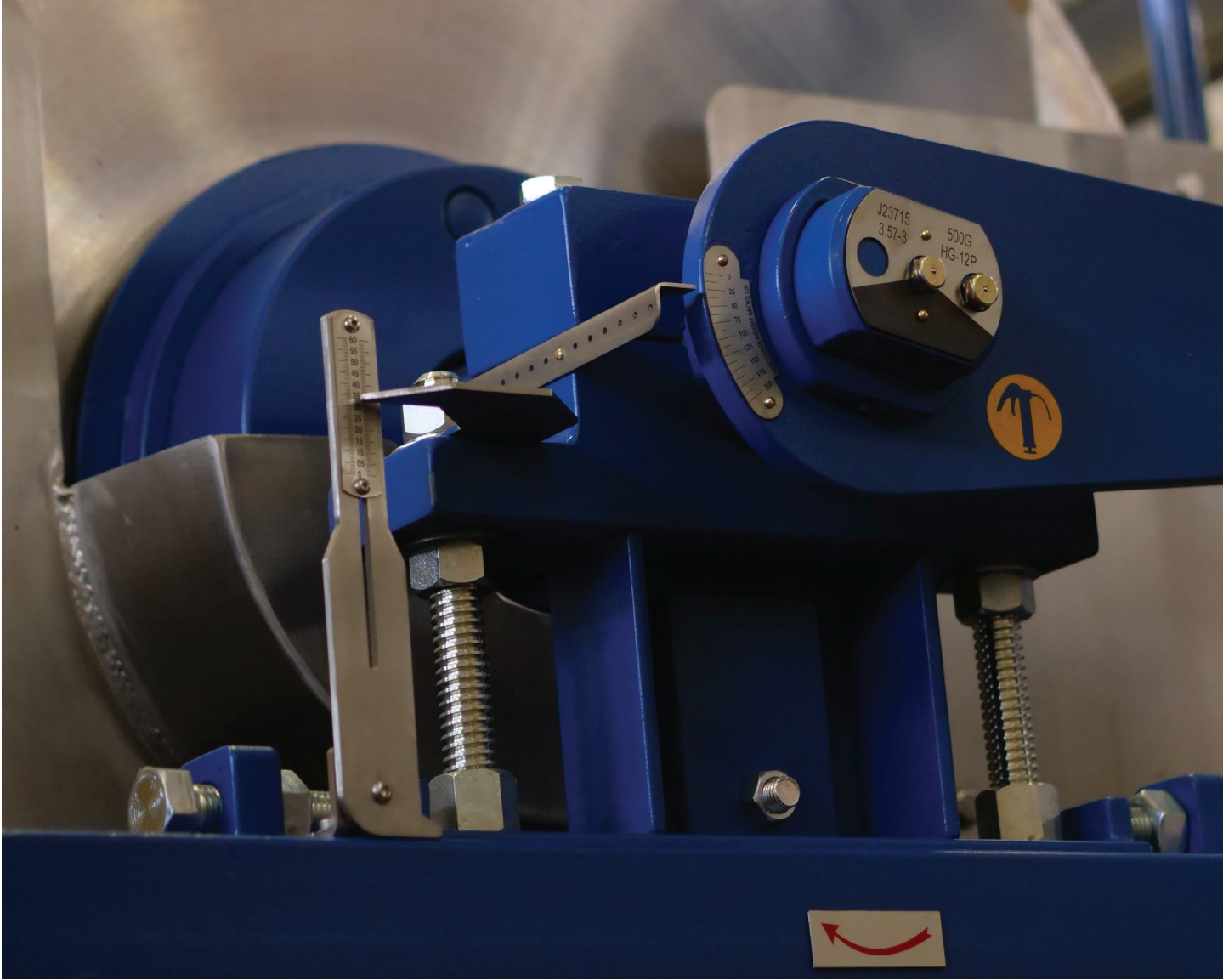
Malvern Engineering Works has since been the market leader in many of these products and through a continual improvement process strives to maintain this position in the market. With our dedicated in-house design facilities, coupled with the latest in computer aided design software, the company is able to customize its existing products to suit various requirements and continually bring innovative products to the market.

Over the years Malvern Engineering Works has diversified and expanded it's operations significantly and now has seven group ompanies under its umbrella.

Each group company brings a unique capability, maintaning the Malvern Engineering ideology of offering quality products and services and building long term partnerships with our clients.

- Malvern Engineering Works
- Ingwenya Mineral Processing
- Wedge Wire Industries
- Schumar Engineering
- Umegeni Iron & Steel Foundry
- Minco Malvern Process Engineering (MMPE)
- Malvern Mozambique





Through its newly completed state of the art manufacturing and laboratory testing facility and its comprehensive sales marketing network, Malvern Engineering is able to efficiently service both its local and international markets.

With over 6500m² of manufacturing space, equipped with the latest CNC machining equipment Malvern Engineering manufactures more than 95 percent of all the components used its equipment



Malvern Engineering has focused on the manufacture, sales, service and repairs of the following products:

- Dry Magnetic Separator (LIMS and MIMS)
- Wet Magnetic Separators (LIMS, MIMS and WHIMS)
- Demagnetising Coils
- Coarse Coal Centrifuges
- Fine Coal Centrifuges
- Suspended Electro Magnets
- Cyclones
- Heavy Media Drums
- Sheave Wheels
- Wedge Wire Products
- Belt Filter Presses
- Variable Split Dividers
- Samplers (Hammer, Vezin, Rotary)
- Demagnetizing Coils



MALVERN ENGINEERING



SHUMAR ENGINEERING

With more than 50 years of experience in coal crushing, Shumar Engineering are a respected name in the industry. Shumar was acquired by Malvern Engineering and Minco-Tech of Australia jointly in 2011. Shumar began exporting their crushers worldwide in 1996.

www.shumar-engineering.com



MMPE was formed in India in association with Malvern Engineering and Minco-Tech of Australia, to promote the products of the joint venture company globally and in India. MMPE also provides engineering support to Malvern Engineering in India.



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UMGENI IRON AND STEEL FOUNDRY

Umgeni Iron Works, an ISO listed company founded in January 1919, serves the sugar, mining, marine and general engineering sectors. The foundry is able to produce the full range of 89 different specifications of ferrous castings including high quality alloy irons, ductile irons, carbon and low alloy steels and high alloy stainless steels.

www.uiw.co.za



MALVERN MOZAMBIQUE

With an ever expanding global footprint Malvern Engineering has ventured across its traditional borders into sub-Saharan Africa and beyond. A recently established office in Tete, Mozambique allows it to provide effective support to its increased installed base.



Ingwenya Mineral Processing (Pty) Ltd

Ingwenya Mineral Operation, offers strategic "value added" service for plant operations. The company delivers best business outcomes with their rich expertise in mining operations and projects satisfying all industry requirements. Ingwenya Mineral bought over Bomax Engineering (essentially a contracting company), expanding its operations and presence.

www.ingwenyamp.co.za



MALVERN ENGINEERING KEY PRODUCTS



MAGNETIC SEPARATORS

Available in a variety of configurations and sizes these low, medium and high intensity magnetic separators combine a robust design with economical operating costs and extremely high efficiencies. Manufactured in both 304 and 316 stainless steel, the Malvern Engineering magnetic separator has become the industry standard in the sub-Saharan mining industry. In more recent times Malvern Engineering has forged partnerships with overseas technology groups which further enhances our offering to the industry.



CENTRIFUGES

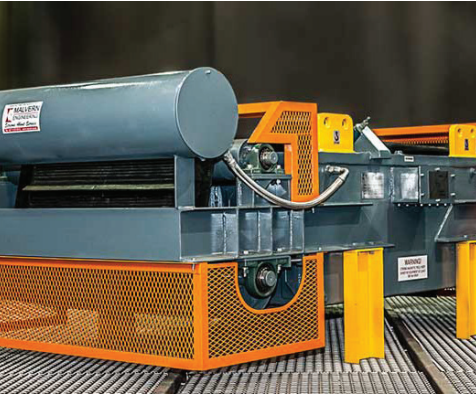
Since 1996 Malvern Engineering through its license agreement with Ludowici (now FLSmidth) has marketed, manufactured and provided after sales support for a variety of centrifuges suitable for the dewatering of both fine and coarse coal. These centrifuges have earned a reputation as being durable and economical machines which consistently deliver exceptional results for the end-user as is evident by Malvern Engineering's dominance in this sector of the market



HEAVY MEDIA DRUMS

Malvern Engineering has a long and proud history of supplying Heavy Media Drum separators into the Southern African and international markets as far abroad as Australia and Asia. Through complete local manufacture and design, Malvern Engineering guarantees a quality product that has been manufactured to the highest standards and designed to suit specific customer requirements. Since the introduction of this product in 1980, Malvern has supplied Heavy Media Drums into a variety of areas for all efficient separation of minerals including Coal, Anthracite, Iron Ore, Diamonds, Chromite, Manganese, Ferrochrome, lead, Copper and Bauxite.

MALVERN ENGINEERING KEY PRODUCTS



SUSPENDED ELECTROMAGNETS

Malvern Engineering has a comprehensive range of heavy-duty, manual and self-cleaning Tramp Metal Removal Magnets designed and manufactured to withstand harsh mining conditions. The magnets DC powered, oil cooled coils produce strong magnetic fields, which when installed over moving conveyors, will extract any tramp iron and rogue magnetic material which passes through the magnetic field before it enters vulnerable downstream equipment.



CYCLONES

Through its successful partnership with Minco Tech Australia, Malvern Engineering offers the Minco Tech range of Dense Medium and Classifying Cyclones to the mineral processing industry throughout Africa. Through continued research and development, the Malvern Engineering / Minco Team offer individually designed cyclones to ensure maximum performance for each application. Cyclones are available in various materials including 27% chrome, mild steel with pre-engineered high alumina ceramic tiled, rubber and polyurethane.



BELT FILTER PRESS

Malvern Engineering makes available a popular line of Model WX belt filter presses in several different configurations, each suited to a specific application. Design features such as a fully welded mainframe, oversized bearings, unique corrosion protection features and several different compression zone arrangements adds to the convenience of use and efficiency of the press. Through its agency agreement with Phoenix Process Equipment Company, Malvern Engineering is able to offer a complete range of belt filter presses as well as the auxiliary equipment that support this product.



DEMAGNETIZING COILS

Generally used for the Demagnetisation of magnetite or ferro-silicon slurries recovered by wet drum magnetic separators. Malvern Engineering demagnetising coils are available in a variety of sizes and electrical configurations to suit most mining applications.

SOLUTION OFFERING



FIELD SERVICES

Highly trained and fully equipped field service teams are capable of providing efficient onsite maintenance of both Malvern Engineering and competitor's equipment. These services are offered as an all-inclusive maintenance contracts or on an adhoc basis as required by our clients.



DESIGN AND PRODUCT DEVELOPMENT

Using the latest cutting-edge CAD-CAM and Magnetic FEA (finite element analysis) software, Malvern Engineering is not only able to provide innovative and custom design solutions to suit all our client requirements but also improve its current product range as well as develop and introduce new products to the market. Innovative technologies such as stereo lithography and high-speed camera footage are often used during new product development.



REPAIRS

With over 70 years' experience and a dedicated repair division, Malvern Engineering is able to offer efficient and cost-effective repairs for its entire product range, to original equipment specifications and standards. State of the art magnetic facilities allow for repairs on all makes and models of magnetic equipment.



PLANT AND EQUIPMENT AUDITS

With a highly skilled Mechanical and Metallurgical team, Malvern Engineering can conduct detailed product and plant audits, to provide our clients with valuable information in order to implement cost effective, preventative and corrective maintenance plans. In addition, this team can advise on best operating practices for the Malvern Engineering Equipment in order to maximize its efficiency and cost effectiveness over the life of the equipment.



TOTAL SOLUTION

Through its subsidiaries, affiliates and partnerships, Malvern Engineering is able to provide one stop turnkey solution for coal preparation plants. Our rich experience in the industry helps you maximize production, maintaining high levels of quality and efficient resource utilisation.



MALVERN
ENGINEERING

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