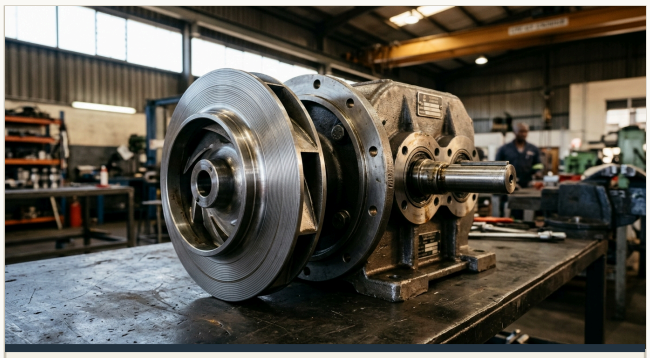
MOABI LWAZI

ENGINEERING & MEDICAL SUPPLY

# INDUSTRIAL FLUID POWER, PLANT REFURBISHMENT & CLINICAL LAB SUPPLY.

**Engineering | Repair | Refurbishment | Fabrication | Clinical Workshop Machinery**

Moabi Lwazi Fluid Power & Engineering (Pty) Ltd repairs and supplies heavy mining and mineral processing components alongside complete machinery packages for orthotic, prosthetic, and dental laboratories.



### MINING & INDUSTRIAL PLANT

- Slurry pumps & wet-end assemblies
- Flotation rotors, stators & cyclones
- Polyurethane & woven wire screens
- Heavy bearings & industrial gearboxes
- Steel fabrication & HDPE pipe welding
- Locomotive & substation battery banks



### MEDICAL, O&P & DENTAL LABS

- Stationary socket routers & polishers
- Infrared thermoforming heating ovens
- Central vacuum lamination manifolds
- Flexam clinical dust extraction units
- Plaster casting & separation trap sinks
- Lab benches, saws & abrasive sleeves

**Headquarters & Workshop: Shop No. 15, Small Industrial, Mogwase, North West Province, South Africa**

# COMPANY OVERVIEW

Moabi Lwazi Fluid Power & Engineering (Pty) Ltd is a South African engineering and technical supply company headquartered in Mogwase, North West Province. We specialise in the repair, refurbishment, manufacture, and supply of engineering components serving mining and mineral processing plants, as well as complete laboratory machinery and consumables for hospital orthotic, prosthetic, and dental workshops.

Operating from an equipped workshop in Mogwase with technical partnerships including WattPower Minerals, all work is executed in alignment with OEM specifications and client technical requirements.

### OUR FOCUS

Keeping critical plant and clinical laboratory equipment operational through repair, refurbishment, fabrication, and dependable supply.

### OUR APPROACH

Practical engineering and procurement solutions built around the client's technical specification, OEM standard, or tender schedule.

### OUR MARKETS

Mining and mineral processing operations alongside hospital orthotic, prosthetic, rehabilitation, and dental laboratories across Southern Africa.

## CORE VALUE PROPOSITION

- Repair and refurbishment capability across critical mining, slurry pumping, and rotating components.
- Custom steel fabrication and HDPE pipe engineering for client-specific plant modifications.
- Broad industrial component supply across pumps, bearings, gearboxes, screening media, and traction batteries.
- Complete turnkey workshop machinery and abrasive consumables supply for orthotics, prosthetics (O&P), and dental laboratories.
- Structured support for vendor registration, RFQs, hospital and mining tenders, and long-term maintenance agreements.

# FLUID POWER, PUMPS & MINERAL PROCESSING





## Slurry Pumps & Critical Wet-End Components

Moabi Lwazi supplies and refurbishes pump components and rotating assemblies used in abrasive mining and industrial duties. Where technically viable, refurbishment provides a cost-effective alternative to full replacement:

- High-chrome and elastomer impellers, volutes, and casing liners
- Throat bushes, throat rings, front and back liners, and wear plates
- Shafts, bearing cartridge assemblies, frames, and pedestal supports
- Slurry knife-gate valves, hydraulic cylinders, and high-pressure hose assemblies

## Mineral Processing: Flotation, Cyclones & Screening Media

- Flotation Equipment: Repair and elastomer/polyurethane refurbishment of stators and rotors used inside flotation cells to restore hydrodynamics and wear life.
- Classification Cyclones: Supply and refurbishment of complete mineral processing cyclones, colour-coded polyurethane spigots, apex nozzles, and liners.
- Modular Polyurethane & Rubber Screening Panels: Abrasion-resistant deck modules engineered for wet and dry mineral sizing.
- Woven Wire & Chute Construction: High-tensile woven wire screens, slotted screens, tensioning accessories, and single, double, or triple chute assemblies.

# MECHANICAL, FABRICATION & TRACTION POWER



## Bearings, Rotating Equipment & Industrial Gearboxes

- Industrial gearbox inspection, stripping, bearing/gear replacement, and refurbishment
- Plain bearings, bushings, and heavy slewing/turntable bearings
- Needle, cylindrical, tapered, and spherical roller bearings plus deep groove ball bearings

## Steel Fabrication & HDPE Pipe Engineering

Onsite and offsite structural and plate steel fabrication alongside HDPE butt-welding, custom pipe spool manufacture, flanged assemblies, and field maintenance. Combining fabrication with mechanical component refurbishment lets clients source integrated shutdown work from one workshop.

## Specialised Mining Batteries & Backup Power Division

- Mining locomotive traction batteries and caboose battery boxes
- YAP9 and YAP5 stationary batteries for winder houses and electrical substations
- Group 31 heavy-duty commercial batteries & AGM deep-cycle telecom backup banks
- Victron Energy inverters and 4-stage / 8-stage industrial battery chargers

# MEDICAL, O&P & DENTAL LAB EQUIPMENT SUPPLY

Clinical orthotic and prosthetic (O&P) workshops and dental prosthetics laboratories rely on industrial-grade fluid power, vacuum lamination, dust extraction, and rotary milling machinery. Moabi Lwazi supplies complete turnkey workshop fit-outs, individual machines, and replacement consumables referenced to Ottobock and international clinical laboratory standards.

## 1. Orthotic & Prosthetic (O&P) Machinery

- Stationary socket routers with electronic variable speed and spindle locks
- Programmable infrared (IR) thermoforming heating ovens with revolving trollies
- Multi-workstation central vacuum lamination benches & manifolds
- Hydrostatic pressure casting units, alignment platforms & oscillating cast cutters

## 2. Dental Laboratory & Prosthetics Systems

- Wet and dry dental model trimmers with diamond abrasive discs
- Programmable vacuum investment and plaster mixers
- Plaster separation sediment trap sinks with replaceable filtration liners
- High-torque bench polishing lathes, deflasking chisels & laboratory vibrators

## 3. Digital CAD/CAM & Sintering Technology

- Open-architecture 4-axis and 5-axis dental CAD/CAM milling units (wet and dry)
- High-resolution dental 3D resin printers & UV post-curing light chambers
- High-temperature zirconia sintering furnaces with programmable ramps
- Vacuum porcelain and ceramic firing ovens & burnout pre-heaters

## 4. Clinical Sterilisation, Air & Workstations

- Medical and dental Class-B vacuum autoclaves (18L to 45L capacities)
- Ultrasonic instrument cleaning tanks with digital heating controls
- Oil-free medical air compressor stations with desiccant air dryers
- Modular ergonomic technician workbenches, vice lifts & extraction ducting

# PROCUREMENT, COMPLIANCE & CONTACT

## Built for Mining, Industrial & Hospital Procurement

Moabi Lwazi is structured to support formal vendor onboarding, competitive RFQ bidding, hospital and laboratory equipment tenders, and long-term maintenance or call-off supply agreements:

- Statutory company registration & tax/VAT compliance documentation
- Health and safety file documentation & operational quality procedures
- Five-stage delivery workflow: Understand -> Evaluate -> Engineer & Source -> Deliver -> Support
- Strategic technical partnership with WattPower Minerals

### STATUTORY VENDOR DETAILS

| | |
|---|---|
| Registered Entity | **Moabi Lwazi Fluid Power & Engineering (Pty) Ltd** |
| Trading Identity | **Moabi Lwazi : Engineering & Medical Supply** |
| CIPC Registration | **2012/072922/07** |
| VAT Number | **4130271002** |
| Head Office | **Mogwase, North West Province, South Africa** |
| Workshop Premises | **Shop No. 15, Small Industrial, Mogwase** |
| Telephone | **+27 76 155 4436** |
| Procurement Email | **finance@moabilwazi.co.za** |

MOABI LWAZI

ENGINEERING & MEDICAL SUPPLY

**We welcome supplier registration, RFQs, hospital and mining tenders, and supply partnerships.**