



HYDRAULIC SQUAD (PTY) LTD · BRONKHORSTSPRUIT

Industrial Supply Catalogue

Hydraulics · Process Plant · Engineering · Site Services · Trade Supply

MINING · SMELTING · MINERAL PROCESSING · CONSTRUCTION · INDUSTRY

Supplying and supporting industry since **2003**.

One supplier, three ways we help

Hydraulic Squad is a South African industrial supply and service company based in Bronkhorstspuit, Gauteng, trading since **2003**. We support mining, smelting, mineral processing, construction, agriculture, earthmoving, manufacturing and general industry.

1 · HYDRAULICS

Our origin and our depth. Pumps, motors, cylinders, valves, power packs, hose and fittings, accumulators and filtration — supplied, repaired, manufactured and commissioned.

2 · PLANT & ENGINEERING

Process plant, conveyor, slurry and power-transmission equipment, and the site services that go with them. Fabrication and structural work is delivered through our engineering company, Bom Squad.

3 · TRADE SUPPLY OFF THE SHELF

Welding equipment and consumables, engineering and construction supplies, power and hand tools. A lot of what you would otherwise send a driver across town for, on the shelf next to the hydraulics.

HOW WE WORK

Understand the application, identify the correct product, source dependable alternatives, and assist with installation, repair, commissioning and ongoing maintenance.

COMPANY DETAILS

REGISTERED NAME	Hydraulic Squad (Pty) Ltd
COMPANY REGISTRATION	2019/591521/07
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How to read this catalogue. The pages that follow set out what we supply and support. **We source to specification — not every line is held in stock, and stocked items vary.** Send us the part number, the equipment data or a photograph and we will confirm availability, alternatives and lead time in writing. OEM, OEM-equivalent and application-engineered solutions are offered subject to technical verification and your approval.

Reduce downtime. Answer quickly. Be straight about it.

OUR VISION

To be the first-choice industrial hydraulic and plant-support partner for mining, smelting and processing operations across Southern Africa.

OUR MISSION

To reduce customer downtime by supplying dependable products, responsive technical support and practical engineered solutions — safely, honestly and efficiently.

OUR PURPOSE

To keep industry moving by connecting people, products and technical knowledge in a way that creates lasting value for our customers, our people and our community.

WHAT YOU GET

One quotation, one job number, one person to telephone — across hydraulics, plant equipment, engineering and trade supply.

OUR VALUES

- Safety first — on your site and on ours
- Customer commitment
- Technical integrity — we say what we can and cannot do
- Quality and reliability
- Accountability
- Improvement and practical innovation
- Respect and teamwork
- Fast, honest communication

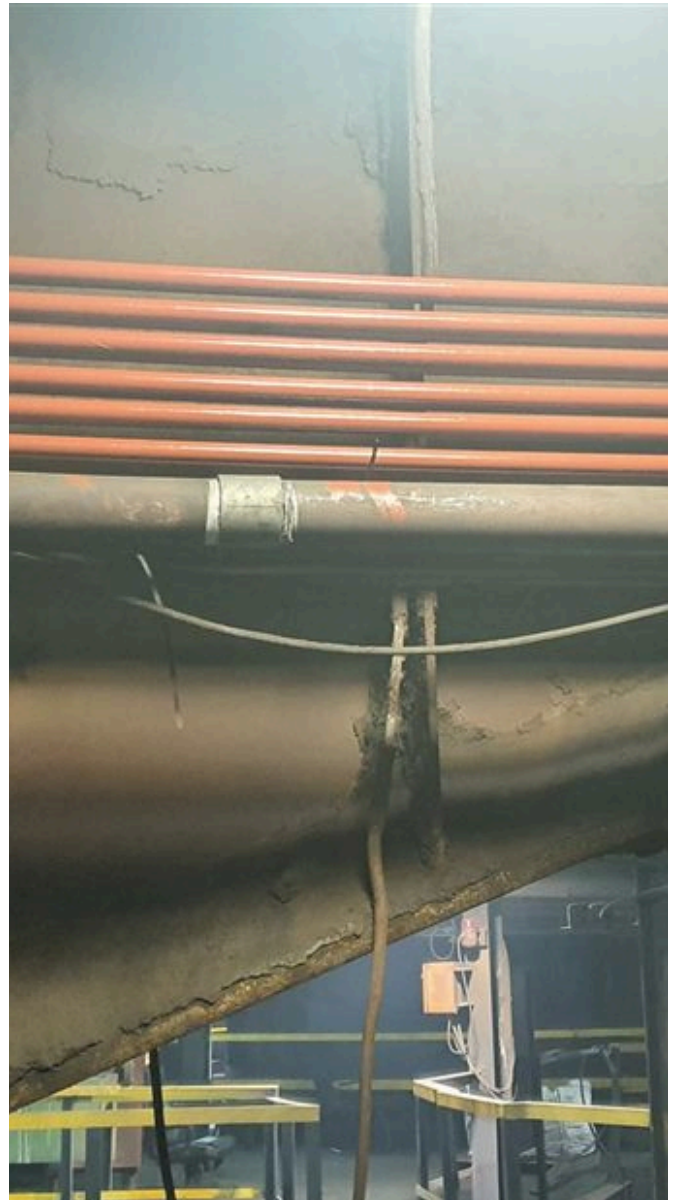


Technical integrity, in practice. If a product is outside what we do, we say so and point you to someone who does it properly. A supplier who claims everything is a supplier you cannot plan around.

Built for demanding operating environments

A coordinated supply route for hydraulic, mechanical, electrical, wear, filtration, conveyor, safety and engineering requirements.

- Mining and mineral processing
- Ferrochrome and smelting operations
- Pelletising and sintering plants (PSP)
- Construction and earthmoving
- Agriculture and mobile equipment
- Manufacturing and heavy industry
- Power generation and utilities
- Transport, logistics and trailer repair
- Water treatment and pumping systems
- Engineering contractors and maintenance teams
- Government and commercial infrastructure
- OEMs, distributors and resellers

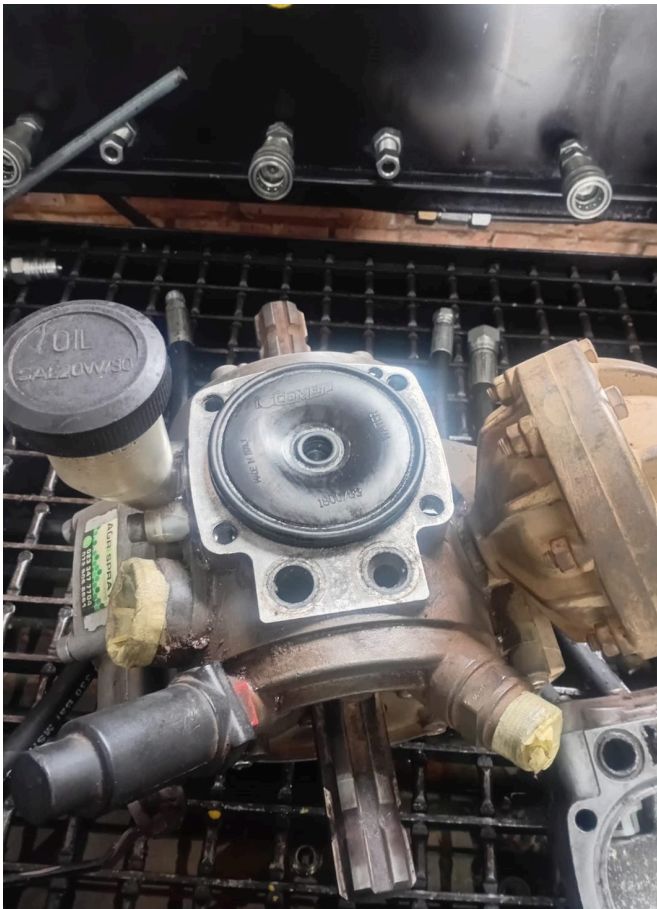


Working on a mine. We work to your permit-to-work and isolation procedures, plant-specific induction and PPE standards. Our people carry their own induction records, and a site visit does not start until the permit is in hand.

Hydraulic pumps, motors and cylinders

Core components for mobile and industrial hydraulic systems — supplied, repaired and manufactured.

- Axial piston pumps
- Bent-axis pumps and motors
- Radial piston motors
- Gear pumps and motors
- Vane pumps
- Screw pumps
- Fixed and variable displacement units
- Load-sensing pumps
- Fan-drive motors
- Conveyor and feeder drives
- Heavy-duty mill cylinders
- Tie-rod and welded cylinders
- Telescopic cylinders
- Position-sensing cylinders
- Filter-press cylinders
- Gate and chute cylinders
- Crusher adjustment cylinders
- Custom-manufactured cylinders
- Chrome rods and honed tube
- Pistons, glands and cylinder barrels
- Complete seal kits
- Pump and motor repair kits



Cylinders are made here. We manufacture and refurbish cylinders to drawing or to sample, including chrome rod, honed tube, seal kits and pressure testing before they leave.

Valves, manifolds and power units

Control, protection and power delivery for critical applications.

- Directional control valves
- Solenoid valves
- Proportional and servo valves
- Pressure relief and reducing valves
- Sequence and unloading valves
- Counterbalance valves
- Flow control and needle valves
- Check and pilot-operated check valves
- Shuttle and logic valves
- Cartridge valves
- CETOP valves
- Monoblock and sectional valves
- Custom manifold blocks
- Standard hydraulic power packs
- Custom hydraulic power units
- Furnace and crusher power packs
- Filter-press power packs
- Mobile and emergency power units
- Control panels and instrumentation
- Cooling and filtration packages



Power packs to your duty. Built to the application — reservoir, cooling, filtration, controls and protection specified against your cycle, not off a shelf.

Hoses, fittings and tube systems

Safe fluid transfer, from workshop assembly to plant installation.

- High-pressure hydraulic hose
- Spiral-wire and braided hose
- Suction and return hose
- Abrasion- and fire-resistant hose
- Fire sleeve and hose protection sleeving
- PTFE and thermoplastic hose
- Flexible metal hose
- BSP, BSPT and NPT fittings
- JIC, ORFS and SAE fittings
- DIN and metric fittings
- Code 61 and Code 62 flanges
- Caterpillar and Komatsu fittings
- Straight, elbow, tee and cross adaptors
- Bulkhead and swivel fittings
- Quick-release and flat-face couplings
- Screw-to-connect couplings
- Test points and microbore hoses
- Seamless hydraulic tube
- Stainless instrumentation tube
- Pipe clamps and supports
- Custom hose assemblies
- On-site hose identification and replacement

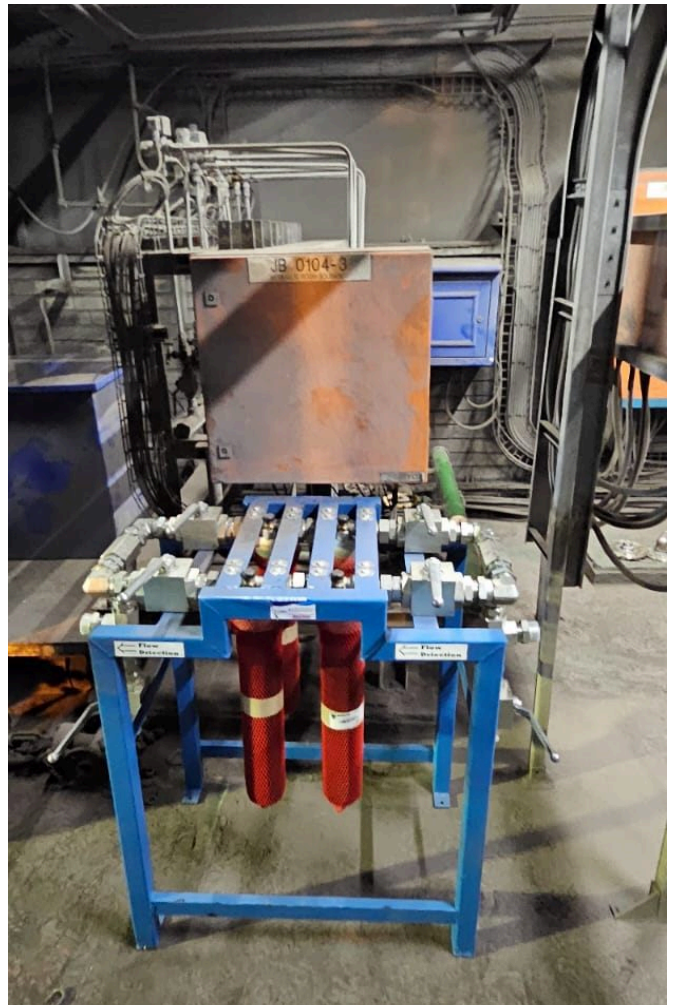


Hose assembly while you wait. Assemblies are crimped, cleaned and capped in our workshop, and we identify and replace failed hose on your site.

Accumulators, filtration and oil care

Stored energy, contamination control and fluid reliability.

- Bladder accumulators
- Piston accumulators
- Diaphragm accumulators
- Accumulator safety and isolation blocks
- Nitrogen charging kits and regulators
- Gas valves and charging valves
- Accumulator bladders and seal kits
- Pressure gauges and pressure switches
- Suction, pressure and return filters
- Offline and kidney-loop filtration
- Duplex and high-flow filters
- Filter elements and housings
- Tank and desiccant breathers
- Mobile filter and oil-transfer trolleys
- Vacuum dehydration units
- Particle counters and water sensors
- Oil sampling kits
- Oil analysis support
- Hydraulic flushing and filtration
- Accumulator inspection, testing and charging



Accumulators are pressure vessels. Inspection, testing and charging are carried out to the manufacturer's procedure, and isolation is proven before any work begins.

PSP and mineral processing equipment

Ore receiving, grinding, filtration, pelletising and sintering.

- Feed hoppers, bins and silos
- Slide, knife and guillotine gates
- Crushers and crusher wear parts
- Vibrating, banana and dewatering screens
- Screen panels and exciter units
- Ball and rod mill components
- Mill liners, trunnions and girth gears
- Hydrocyclones and cyclone clusters
- Slurry pumps and wear parts
- Thickeners and rake mechanisms
- Horizontal belt and pressure filters
- Filter cloths, plates and membranes
- Mixers, paddles and wear liners
- Binder and bentonite dosing systems
- Pelletising discs and drums
- Disc liners and scraper assemblies
- Green-pellet and roller screens
- Steel-belt sintering components
- Furnace burners and combustion systems
- Cooling conveyors and product screens
- Heat-resistant bearings and seals
- Process instrumentation and controls



Photo: Volker Braun / Pexels

Filter-press spares are a standing line for us. We hold and supply pressure-filter spares against plant part numbers — send the plant number and we will match it.

Conveyors and bulk material handling

Reliable movement of ore, pellets, fines and plant materials.

- Belt, apron, screw and drag conveyors
- Pipe and pan conveyors
- Reversible and shuttle conveyors
- Bucket elevators
- Vibratory, belt and apron feeders
- Heat-, oil- and fire-resistant belting
- Steel-cord and chevron belting
- Head, tail, bend and take-up pulleys
- Impact, carry and return idlers
- Garland and training idlers
- Impact beds and skirt systems
- Primary and secondary scrapers
- Pulley lagging and belt fasteners
- Belt tracking and rip detection
- Pull-wire and misalignment switches
- Zero-speed switches
- Belt scales and weigh feeders
- Magnets and metal detectors
- Shaft-mounted gearboxes and backstops
- Conveyor structural repairs



Photo: K / Pexels

Conveyor structural work — chutes, skirts, walkways and structural repairs — is carried out by our engineering company, Bom Squad, under the same job number.

Pumps, slurry and process valves

Fluid and slurry handling for aggressive plant environments.

- Horizontal and vertical slurry pumps
- Submersible and sump pumps
- Centrifugal and end-suction pumps
- Multistage and split-case pumps
- Progressive cavity and peristaltic pumps
- Air-operated diaphragm pumps
- Dosing and chemical pumps
- Pump casings, impellers and liners
- Throat bushes and shaft sleeves
- Mechanical seals and gland packing
- Knife-gate and slurry valves
- Pinch and diaphragm valves
- Butterfly, ball, gate and globe valves
- Check and non-return valves
- Control and pressure-reducing valves
- Ceramic and rubber-lined valves
- Hydraulic, pneumatic and electric actuators
- Rubber and ceramic-lined piping
- Slurry hose and expansion joints
- Pump overhaul and alignment



Photo: Mumtaz Niazi / Pexels

Overhauls come back measured. Pump overhauls are returned with clearances recorded and the alignment checked, so the next failure is diagnosable.

Mechanical power transmission

Bearings, gearboxes, couplings and drive components.

- Deep-groove and angular-contact bearings
- Spherical and cylindrical roller bearings
- Tapered and thrust bearings
- Split and high-temperature bearings
- Pillow, plummer and flanged units
- Bearing housings and taconite seals
- Adapter sleeves and lock nuts
- Helical and bevel-helical gearboxes
- Planetary and shaft-mounted gearboxes
- Crusher, conveyor and mixer gearboxes
- Electric and brake motors
- Flameproof and dust-duty motors
- V-belts, wedge and timing belts
- Roller and conveyor chains
- Sprockets and taper-lock bushes
- Flexible, grid, gear and tyre couplings
- Cardan shafts and universal joints
- Backstops, brakes and torque limiters
- Laser alignment and condition monitoring
- Gearbox and rotating-equipment refurbishment

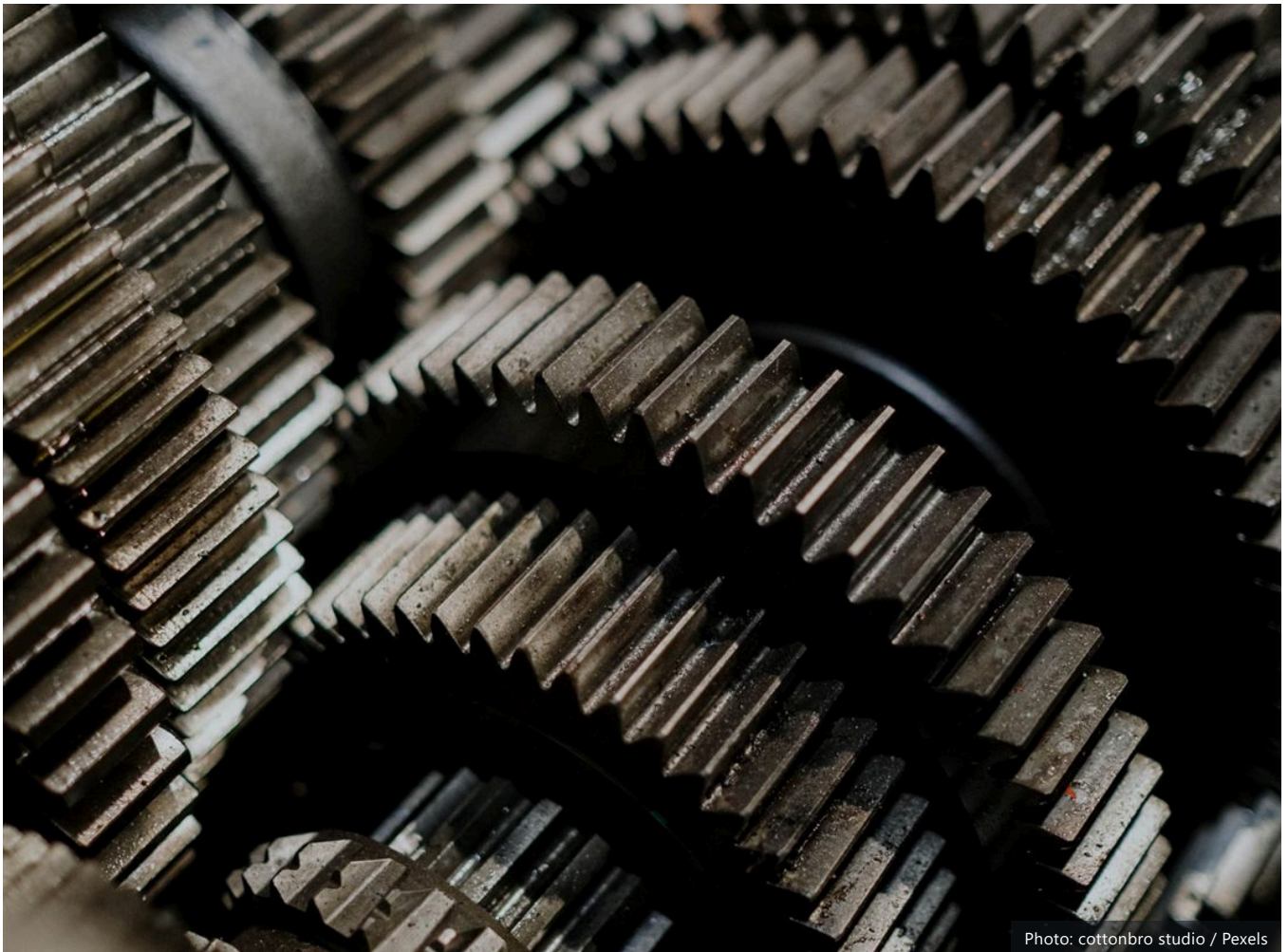


Photo: cottonbro studio / Pexels

Bearings are stocked, not just sourced. Common industrial sizes are on the shelf; the rest we obtain against your number.

Electrical, instrumentation and automation

Control, protection and measurement — supplied and installed with our instrumentation partners.

- Electric motors and motor starters
- Variable-frequency drives and soft starters
- Motor control centres and distribution boards
- PLC, HMI and SCADA systems
- Remote I/O and industrial networks
- Control panels and junction boxes
- Pressure and differential transmitters
- Temperature transmitters, RTDs and thermocouples
- Magnetic, ultrasonic and Coriolis flow meters
- Radar and ultrasonic level transmitters
- Level switches and capacitance probes
- Load cells, belt scales and weigh feeders
- Vibration, speed and proximity sensors
- Moisture, density and gas analysers
- Flame scanners and burner controls
- Industrial plugs, sockets and cable systems
- Transformers, UPS and DC power supplies
- Surge protection and earthing systems
- Instrument calibration and commissioning
- Breakdown assistance



Photo: Shameer Vayalakkad Hydrose / Pexels

Stated plainly: control-system and instrumentation work is delivered with our qualified electrical and instrumentation partners, under our supply and one point of contact. Certification is issued by the registered person carrying out the work.

Furnace, smelter and cooling systems

Support products for submerged-arc furnaces and high-temperature operations.

- Furnace hydraulic power packs
- Electrode clamping and slipping systems
- Electrode lifting cylinders
- Furnace-roof lifting systems
- Contact shoes and pressure rings
- Tap-hole drills and mudguns
- Mudgun cylinders and hydraulic lines
- Oxygen lances and lancing hoses
- Water-cooled copper components
- Cooling panels and manifolds
- Cooling-water hoses and valves
- Flow meters and pressure switches
- Plate and shell-and-tube heat exchangers
- Air-blast oil coolers
- Cooling towers, fills and nozzles
- Furnace fans, shafts and bearings
- Refractory bricks and castables
- High-temperature gaskets and seals
- Heat shields and inspection doors
- Thermal cameras and furnace viewing systems



This is where we are strongest. Furnace hydraulics — electrode clamping and slipping, roof lifting, mudgun and tap-hole systems — is work we do on operating ferrochrome plants, to shutdown timing.

Wear protection, fabrication and welding

Extend equipment life and restore plant assets. Fabrication, structural and certified welding work is carried out by **Bom Squad**, our engineering company — same group, same job number, same person to telephone.

- Chromium-carbide wear plate
- Hardox-type wear plate
- Ceramic, rubber and polyurethane liners
- Ceramic-lined pipes and bends
- Chute, hopper and crusher liners
- Mill and screen liners
- Wear bars and deflector plates
- Hard-facing electrodes and wire
- Hard-facing and overlay welding
- Structural steel fabrication
- Platforms, walkways and staircases
- Conveyor structures and pipe racks
- Chutes, hoppers, bins and tanks
- Pump, motor and gearbox bases
- Custom hydraulic reservoirs
- Pipe fabrication and installation
- Certified welding and machining
- Sandblasting, painting and galvanising
- Shutdown modifications and repairs
- Equipment guarding and access systems



Why it is worth asking about Bom Squad by name. Bom Squad is a **B-BBEE Level 2 contributor with 125% procurement recognition**. If your scorecard matters, fabrication and engineering placed with Bom Squad earns you more recognition per rand than the same work placed elsewhere in the group. Certificate available on request.

Welding equipment, tools and consumables

The third part of what we do, and the one most customers do not know about. Our stock master runs to more than 3,500 line items across the business; several hundred of them are welding, tools and consumables held for counter and site supply.

WELDING

- Inverter welding machines, 120 A to 500 A
- Single-phase 220 V and three-phase 380 V units
- **VRD machines for underground and damp conditions**
- MIG, TIG, MMA and multi-process machines
- Plasma cutters and plasma torch consumables
- MIG torches, liners, tips, shrouds and diffusers
- TIG torches, collets, cups and tungstens
- Electrode holders and earth clamps
- Welding cable, connectors and panel sockets
- Mild steel, stainless, cast iron and hard-facing electrodes
- MIG and TIG wire — mild steel, stainless, aluminium
- Silver solder, brazing rod and flux
- Auto-darkening welding and grinding helmets
- Oxy-acetylene and oxy-LPG cutting and heating sets
- Regulators, flashback arrestors, hose and nozzles
- Electrode ovens, hot boxes and water coolers
- Anti-spatter, pickling paste and passivating gel
- Temperature crayons and paint markers

TOOLS, CONSUMABLES AND GENERAL SUPPLY

- Angle grinders, drills and power tools
- Cutting, grinding and flap discs
- Hand tools and workshop equipment
- Fasteners, bolts, nuts and washers
- Steel and general engineering supplies
- Construction supplies
- Industrial gas equipment and accessories
- Lubricants, cleaners and workshop chemicals



Photo: Paata Gogua / Pexels

VRD is the one to ask about if you work underground. A voltage reduction device drops the open-circuit voltage at the terminals below 15 volts, which is a safety requirement on most South African mines for underground or damp working. We stock machines with VRD built in. **Brands are stocked and supplied in their own packaging with the manufacturer's warranty; brand availability changes and is confirmed on quotation.**

Safety, lifting and workshop equipment

Supplied to specification, with the certification the item requires.

- Safety helmets, eyewear and face shields
- Respiratory and hearing protection
- Flame-resistant and arc-flash clothing
- Heat-, cut- and chemical-resistant gloves
- Fall-arrest equipment and lifelines
- Multi-gas and CO detectors
- Emergency showers and eyewash stations
- Fire extinguishers and fire hoses
- Spill kits and absorbents
- Lockout and tagout equipment
- Chain blocks and lever hoists
- Electric and air hoists
- Wire-rope, chain and webbing slings
- Shackles, lifting points and beam clamps
- Hydraulic jacks and machinery skates
- Hydraulic torque wrenches
- Bearing pullers and induction heaters
- Magnetic drills, grinders and saws
- Hose crimping, cutting and skiving machines
- Pressure test benches and flushing rigs



What we do and do not do, said plainly. We **supply and service fire equipment**. We do **not** design or engineer fire-suppression systems, and we will tell you so rather than take the order. **Lifting tackle and fall-protection equipment is supplied with its test certificate**, and load testing and periodic inspection are carried out by the accredited inspection body — because on a mine the certificate is the product.

Technical and site services

From product identification to installation, repair and commissioning.

HYDRAULIC

Fault-finding, system design, cylinder manufacture and repair, pump and motor repair, valve repair, power-pack manufacture, hose assembly, flushing, filtration, pressure testing and commissioning.

MECHANICAL

Plant maintenance, shutdown support, conveyor and chute repairs, pump overhauls, gearbox and bearing replacement, laser alignment, pipe installation and equipment commissioning.

ELECTRICAL & INSTRUMENTATION

Motor installation, panel building, VSD installation, PLC support, instrument installation, calibration, control-system upgrades and breakdown assistance — with our qualified partners.

RELIABILITY

Accumulator inspections, oil analysis support, condition monitoring, vibration checks, thermography, contamination control and preventative maintenance recommendations.

HOW WE WORK ON YOUR SITE

BEFORE WE START	Order in hand, plant-specific induction current, permit to work issued and photographed.
WHILE WE ARE THERE	PPE and risk assessment on every visit; isolation proven before work on stored-energy systems.
WHEN WE FINISH	Job signed off on site, and a signed copy of the job record sent to you.
EXTRA WORK FOUND	Never carried out unpriced — it comes back to you as a quotation before it is done.



Let us keep your plant moving

Send us your RFQ, equipment data, photographs, drawings, OEM part numbers or operating requirements. We will assist with identification, sourcing, technical alternatives and supply planning — and come back to you in writing.

SALES & TECHNICAL ENQUIRIES

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COMPANY DETAILS

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Engineering company	Bom Squad — B-BBEE Level 2, 125% procurement recognition



Quality · Service · Reliability · Support. Prices are not published in this catalogue — every enquiry is quoted against your specification, quantity and delivery requirement. Ask us for a quotation.