FROM CONCEPT TO FINISHED PRODUCT

MANUFACTURING AND REPAIR OF MINING MACHINES

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36 YEARS OF SERVICE EXCELLENCE! COALSEAM HYDRAULICS HAS A LONG HISTORY OPERATING AND SERVICING THE MINING INDUSTRY WITH QUALITY PRODUCTS AND FULL SERVICE BACKUP AND SUPPORT.

Coalseam machinery are a first choice in the market, they are designed and manufactured with precision and finesse.

We supply machinery of the highest standard of quality, for your boring, milling, drilling and tapping needs.

Coalseam, your first-rate supplier in Mining Equipment.
Company Profile

Coalseam was established in 1982 and has grown seamlessly into a leading supplier of a vast range of mining equipment and components in the mining industry. We adhere to a stringent safety and quality code and work strictly in accordance to SABS and ISO standards. 36 years on, Coalseam retains a resolute commitment to quality that ensures that we consistently deliver superior results on the machinery that we manufacture and the underground services we provide. The Coalseam Assurance is made possible through our highly experienced team who collectively bring over 100 years of invaluable mining, engineering and production experience. Through this expertise we have kept our promise on quality, safety and cost-effective mining solutions to our valued customers.

The Coalseam Headquarters are situated in Jet Park, Boksburg. Our workshop consists of 5000 square meters of operational space that houses our multiple divisions; CNC division, Conventional machine division, Boiler division, as well as the hydraulic and fitting division. In this workshop we build new and rebuilt Continuous Miners, Shuttle Cars, Roof Bolters, Feeder Breakers, Scoops, Auger, Tractors and Load Haulage Dumpers.

We strive to be a world leader in safety, and continue our efforts in being an unparalleled engineering and manufacturing company providing a world class service to the global mining industry. Our goal is wide-scale job creation and assisting our customers in achieving their respective objectives through cost saving initiatives.

We pride ourselves on being a South African mining equipment supplier that internally facilitates the entire manufacturing process; from raw material to finished product.

Our Major Customers:
- Sasol
- Anglo Coal
- Exxaro
- Zac
- Kangra Coal
- Seriti
- Glencore
Continuous Miner

We supply a wide-range of rebuilt continuous miners and have the capacity to handle all continuous miners that can cut coal from one meter to six meters in height. The following products are also available New and Rebuilt.

Traction Gearbox, Gathering Gearbox, Foot and Tail Shaft Rollers, Conveyor Gearbox, Cutter and Conveyor Boom Repairs, Spade Repairs, Conveyor Chain and Crawler Chain.

For all part numbers please request our comprehensive catalogue.

**TRACTION GEARBOX**
We rebuild all types of traction gearboxes for all continuous miners in the mining industry. We also improve traction gearboxes using our experienced design team.

**FOOT AND HEAD SHAFT ROLLERS**
We supply both head and foot shaft rollers. Our head and foot shaft rollers include drive sprocket and spacers.

**CATERPILLAR GEARBOXES**
Caterpillar gathering gearboxes are where Coalseam began building gearboxes, today we undertake all types of gearboxes from all competitor machines.

**CUTTER GEARBOXES**
It gives us great pleasure to inform our clients that we now repair cutter gearboxes for a mini mega and solid head.

**CONTINUOUS MINER CHAINS**
Coalseam is a supplier of crawler chains and conveyor chains. Our chains are premium quality and can be used by most continuous miners.

**CUTTER AND CONVEYOR BOOM**
All booms are repaired to standard as per OEM requirements. We employ only world class boilermakers and welders working to ISO and SABS standards.
Shuttle Car

Coalseam supplies new and rebuilt shuttle cars. The Shuttle car capacity is from 12t to 22t. Coalseam shuttle cars are amongst the most durable and relentless in the industry and come with a body warranty of up to five years. Our shuttle car wheel units are specially designed to endure harsh underground coal-mining conditions and last from overhaul to overhaul when maintained correctly. We also supply the following reliable spares: Conveyor motor, Traction Motor, Conveyor Chains, Head Shafts, Flameproof Electrical Panel, Tyres, and Conveyor Gearbox.

For all part numbers please request our comprehensive catalogue.

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**SHUTTLE CAR CONVEYOR CHAIN**
Coalseam supplies a full set of conveyor chain consisting of a drive shaft with sprockets, OX chain and Take up shaft.

**SHUTTLE CAR GEARBOXES**
We supply Conveyor gear boxes for 12t to 22t shuttle cars.

**SHUTTLE CAR MOTORS**
Coalseam supplies all shuttle car motors, Pump motors, Traction motors and Conveyor Motors.

**SHUTTLE CAR WHEEL UNITS**
Coalseam supplies wheel units from 12 to 22t in capacity. Our wheel units have enhanced sealing arrangement and strengthened body design.

**SHUTTLE CAR FOAM WHEEL**
Coalseam supplies foam wheel for 12 to 22t shuttle cars. Our foam wheels are designed for hush underground conditions and they are build to last.

**SHUTTLE CAR WET BRAKES**
Coalseam manufacture and repair shuttle car wet brakes. Our brakes are SABS approved.

**SHUTTLE CAR ALPHA TIRES (1200 - 1600)**
Coalseam supplies alpha tires for 22t shuttle cars. Our alpha tires are designed for hush conditions the to handle the heavy machine under.

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<thead>
<tr>
<th>MODEL</th>
<th>MACHINE CAPACITY</th>
<th>OPERATING HEIGHT</th>
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<tbody>
<tr>
<td>LS1500-64&quot;</td>
<td>12 - 16t</td>
<td>1450mm</td>
</tr>
<tr>
<td>MS1700-59&quot;</td>
<td>18 - 22t</td>
<td>1700mm</td>
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Roof Bolter Models

Coalseam has rebuilt and supplied different types of roof bolters previously supplied by competitors. For all part numbers please request our comprehensive catalogue.

ROOF RANGER ROOF BOLTER
The roof ranger is currently available for low-seam mining and is available for both purchase and rentals. We have a number of roof rangers currently in production underground.

CSHDDR ROOF BOLTER
This is a medium to high-seam roof bolter rebuilt by Coalseam. We've further developed and performed a number of improvements on the HDDR roof bolter to significantly enhance reliability and performance when compared to competing machinery.

RHAM AND OTHER ROOF BOLTERS
We work closely with our customers to rebuild any type of roof bolter. We provide a collaborative effort from our esteemed design engineers and consulting design engineers to improve the final machine.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OPERATING HEIGHT</th>
</tr>
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<tbody>
<tr>
<td>CSHDDR</td>
<td>1800mm - 5200mm</td>
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<tr>
<td>CSDDR</td>
<td>2400mm - 4000mm</td>
</tr>
<tr>
<td>CSRRII</td>
<td>1500mm - 2200mm</td>
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<tr>
<td>CSRRRI</td>
<td>1500mm - 2200mm</td>
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Roof Bolters

We supply new and rebuilt roof bolters for different applications. We keep all spares on the CSHDDR, CSDDR, CSRRII and CSRRI. The spares we keep include the following: All Cylinders, all Canopies, all Pipes and Fittings, all Valve banks, all Body parts, Wet and Dry drill heads, all Motors and all Electrical panels.

For all part numbers please request our comprehensive catalogue.

ROOF BOLTER CYLINDERS
Colseam manufactures and repairs all roof bolter cylinders. We also keep in stock for the convenience of our clients, roof bolter cylinders.

ROOF BOLTER MOTORS
Colseam supplies new and rebuilt electrical and hydraulic motors for roof bolters.

COALSEAM FINGER EXCESS FREE GRIPERS
In drive of safety, Coalseam has designed and introduced into the market, drill guide gripers that enhance the safety of operators. The gripers ensure that an operator will not have his/her finger in a pinch point between the griper arms and the drill still.

ROOF BOLTER DRILL HEADS
Our drill head is one of the best in the market. Designed both for purpose and cost effectiveness it surpasses all expectation on performance and durability.

ROOF BOLTER DROP MAST
Our Drop Mast for mid-seam and high-seam roof bolters is unrivalled in the industry with a quality second to none.

ROOF BOLTER SERVICES
We provide field service work to underground operation. These services include: Machine Re-piping, Torque Settings and Pipes and fittings supply.
We supply new and rebuilt feeder breakers. Coalseam feeder breakers have improved drive shaft and maintenance-free tail shaft. We also supply reliable feeder breaker spares such as Conveyor chains, Crusher drum and Sprockets and Wheel axle.

**FEEDER BREAKER HEAD SHAFT**
In contrast to the strongest competing head shafts in the market, that shear off or break due to fatigue, Coalseam head shafts have been redesigned to prevent these types of failures. Our bearings on the head shafts are protected to prevent dust damage.

**FEEDER BREAKER TAKE UP**
One of our commendable products is a maintenance-free take up with a guaranteed life of six months.

**FEEDER BREAKER CHAIN**
Coalseam supplies chains for the feeder breaker.

**FEEDER BREAKER POWER PACK**
Coalseam supplies feeder breaker gearboxes and motors individually or as a power pack. We supply power packs in different design or manufacturing spec.
We rebuild loud haul dumpers for use in underground hard rock and coal mining. We have a proven track record and experience in rebuilding and improving these machines.

**LHD Bucket**
Coalseam manufactures and repairs all LHD buckets; size varies from 0.8 to 1.0 m³. Bucket height ranging from 1.8 to 2.5 m.

**LHD Accumulator**
Our accumulator is one of the best in the market. Designed both for better service and cost effectiveness.

**LHD Differential**
Coalseam supplies new and rebuilt differentials for LHDs.

**LHD Pins and Bushes**
We manufacture pins and bushes for all types of LHDs.

**LHD Diesel Engine**
We supply and repair all LHD diesel engines.

**LHD Torque Converter**
We supply and repair torque converters. Coalseam only offers the best service and ensures that the known failures of the torque converter are no more.
Diesel & Battery Scoop

While battery scoops are predominantly used in the mining industry some clients would prefer using diesel engine for their scoops. We rebuild battery scoops, in addition to that we convert battery scoops to diesel scoops and vice-versa.

SCOOPE DIFFERENTIAL
We supply and repair scoop differential. Our differential comes as full fitted unit, to ensure proper performance.

BATTERY SCOOP MOTORS
Coalseam repair and manufacture electrical motors. We test and certify all repaired motors.

BATTERY PACK
Coalseam is a manufacture and a supplier of battery packs. Our Battery packs complies to the latest regulation. They have a isolator located at the box unit, allowing enough power to the motor and to the entire machine.

BATTERY SCOOP BUCKET
Coalseam manufactures and repairs all scoop buckets.
Electrical Division

UNDERGROUND FLAMEPROOF PANELS
We manufacture and rebuild electrical panels for all mining machinery. Our electrical panels are designed, manufactured and certified according to ISO standards. We certify all our panels as per mine, health and safety requirements.

UNDERGROUND ELECTRICAL MOTORS
Through our trusted partners, we repair and manufacture electrical motors. We test and certify all repaired motors.

FLAMEPROOF PANEL GLANDS
We manufacture and supply flame-proof panel gland. Our glands are SABS approved and conform to mine health and safety requirements.

ELECTRICAL SPARES
Coalseam is a supplier of electrical spares used underground. The spares we supply includes: Relays, Contactors, Breakers, Overloads and Electrical cables.
QUALITY ASSURANCE

- Coalseam has standardised the processing and testing procedures for each specific model based on the machine characteristics, in order to guarantee quality and operational reliability. Assembly operators will use the inspection tools and follow quality procedures to test and record the performance and measurements according to the Coalseam quality policy.
- All machines and components manufactured by Coalseam conform to South African testing standards.
- All machines and components are QA tested with precision instruments before delivered to guarantee quality.
- All machines manufactured by Coalseam confirm the South African testing standards.

SAFETY ASSURANCE

Coalseam has developed safety procedures and standards for the production of all components and machinery. We are guided by the Mine Health and Safety Act and Environmental requirements in our design, manufacturing and supply of components and machinery.

We assure our clients that Coalseam products are safety approved for the environment in which they operate.