

MOBILE MINING



MINE RUNNER

AHEAD OF THE GRADE



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WE'RE RE-IMAGINING

MINING TRANSPORT



STAY AHEAD OF THE GRADE

The Mine Runner utility vehicle provides a modern-day mine transport solution for your mining operation. More power, better safety, lower maintenance, longer life, and optimal performance. That's how you stay Ahead of the Grade.

See Videos Online At www.aheadofthegrade.com



PURPOSE BUILT

FOR THE UNDERGROUND

WHY THE MINE RUNNER?

In the mining industry, your payload requirements aren't getting any lower and you need a Mine Transport Utility Vehicle that can tram at or above the production flow of traffic. Unlike many commercial vehicles that have been modified for use underground, the Mine Runner is purposely designed and built for the underground environment. From better braking to a lower emissions footprint, the Mine Runner is the best Mining Vehicle to meet your underground needs.

ADVANCED BREAKING AND TRAMMING (ABT)

Better brakes mean increased safety. Service braking is accomplished using the hydraulic pump and wheel motors, meaning there's no mechanical wear parts to fail or replace. The Mine Runner's primary and secondary braking systems are designed and tested to meet and exceed the CSA braking standard and performance for underground mining machines.

Using both accelerator and brake pedals for tram and braking control, our Advanced Breaking and Tramming (ABT, patent pending) system is smooth and seamless with an automotive feel. With automatic or manual shifting and traction control, there are no underground conditions that are too tough to tame.

HYDRAULIC WHEEL DRIVE (HWD) VEHICLE

The HWD powertrain provides optimized power delivery to each wheel independently, with up to 40% more overall efficiency beyond conventional transmission systems. This also ensures the diesel engine is running within its optimal power band delivering higher levels of performance.





ONE MINE VEHICLE,

TONS OF OPTIONS



Base Model



Personnel Carrier



Flat Deck



Aerial Boom



Mechanic Truck



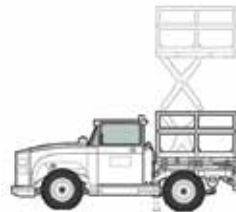
Crane



Fuel



Fuel Lube



Scissor Lift



Utility Pick-Up



Body Style	Center seated, engine forward
Drive Type	4 Wheel Drive / 2 Wheel Steer
Suspension	Rigid Axles, with parabolic leaf springs and shock absorbers, approximately 7" of travel and 12" ground clearance
Gross Vehicle Weight Unladen Payload	14,000 lb / 6364 kg 10,000 lb / 4545 kg 4,000 lb / 1818 kg
Vehicle Width	81 in / 2.1m (without mirrors)
Vehicle Height	88 in / 2.24 m (to top of Beacon) 84 in / 2.13 m (to top of Cab)
Ground Clearance	12.5 in / 31.8 cm (to the lowest point on skid plate) 13.5 in / 34.3 cm (to bottom of frame)
Turning Radius - Outer	43 ft / 13.1 m
Turning Radius - Inner	23 ft / 7.0 m
Top Speeds on 0-2% Grade (Loaded): 1st Gear: 2nd Gear: 3rd Gear: Automatic: Reverse	13.7 mph / 22 km/hr 17.4 mph / 28 km/hr 25.0 mph / 40 km/hr 25.0 mph / 40 km/hr 13.7 mph / 22 km/hr
Top Speeds up 20% Grade (Loaded) Forward (Automatic) Reverse	9.3 mph / 15 km/hr 9.3 mph / 15 km/hr

Approach / Departure Angle	36% (20°) Front and Rear angle - unladen condition
Number of Passengers	3 std (Operators Cab)
Engine	Deutz 2012 Tier III 129 HP / 96 KW @ 2200 RPM c/w CANMET or MSHA certified
Tires	8.25R22.5 / 18 PLY - Mining Tires c/w Wheel chocks
Brakes	SAHR (Spring Apply Hydraulic Release) Parking / Emergency brake in each hydraulic wheel motor. Closed Loop Hydraulic Wheel End Service Brakes via pump over-center swash plate Certified to CAN/CSA-M424.3-M90 Braking Test
Steering System	Automotive Style Tilt & Telescopic Steering Wheel in dash / Full Hydraulic Steering, with Orbital Steering Valve and Single Steer Cylinder / Horn Button in steering wheel
Controls	Automotive style, accelerator and service brake pedal Automatic and standard shift (1, 2, 3 & A Select, Forward and Reverse) Drive by wire 4WD Traction Control - minimal tire wear/scrub throughout entire turning radius

Fuel System	30 Gal Tank (113 L) / Pre-filter / Water separator with primer Dash mounted fuel gauge	
Electrical System	24 Vdc 80 amp Alternator CAN based electronic control system Flame retardant wiring Lockable battery disconnect FWD/REV High output LED drive lights	Roof mounted high output LED work lights FWD/REV Rear red LED marker/brake lights Back-up alarm Horn Roof mounted beacon light
Dash Instrumentation	Ergonomically fitted operator controls Graphical User Interface Health monitoring and diagnostics for engine and HWD systems. Electric fuel gauge 12V 12.5A auxiliary power outlet	
Chassis and Body	Heavy bumpers front and rear, tied into main frame / Tow hooks front and rear	
Cab	ROPS/FOPS Certified Safety glass windows, slider windows in doors Windshield wipers/washer system 3 independent adjustable seats with seat belts	Cab pressurizer with RESPA® filtration system Fire Extinguisher Cab heating No hydraulics in the cab
Available Options	Fire suppression system AC system Hand pump manifold for release of Emergency Parking Brakes - for towing	
Optional Configurations	Personnel Carrier (ROPS/FOPS optional) Utility Box Flat Bed Fuel/ Mechanics Vehicle	Fuel /Lube Vehicle Crane Scissor Lift Vehicle Aerial/Man Lift Boom Vehicle



Breaker Technology Ltd.

35 Elgin Street North
Thornbury, Ontario
N0H-2P0 Canada
Phone: (519) 599-2015
Fax: (519) 599-6803

Breaker Technology Ltd.

30625 Solon Industrial Pkwy
Solon, Ohio
44139 USA
Phone: (440) 542-3720
Fax: (440) 542-3721

Breaker Technology Ltd.

3453 Durahart Street
Riverside, California
92507 USA
Phone: (951) 369-0878
Fax: (951) 369-8281

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