

Reliability at work



The Section Workhorse



Un-A-Trac®

Range of Scoops



The Section Workhorse

With over 40 years' experience and over 6500 battery-powered units produced, the Bucyrus Un-A-Trac® scoop is the obvious choice for a low-maintenance high-productivity utility vehicle. The products from the No. 1 manufacturer of battery-powered mining machinery are setting the pace in efficient and reliable underground utility vehicles. The 488 is the strongest and most rugged low-profile scoop ever built.

Features

- Oversize center sections
- Tape switch type emergency stops
- Wet-disc service brakes
- Bucyrus2000 IGBT electric controllers (optional HIPAC 10 VAC drive)
- Multi-purpose contoured bottom bucket
- Planetary wheel drives
- Ground-level battery change system

The Bucyrus2000 Control System

With the adoption of solid state controls in the early 1970s, the development of silicone controlled rectifiers in the 1980s, and the development of the Bucyrus2000 contactorless, IGBT controller, Bucyrus has led the way in increasing the productivity of battery powered mining equipment.

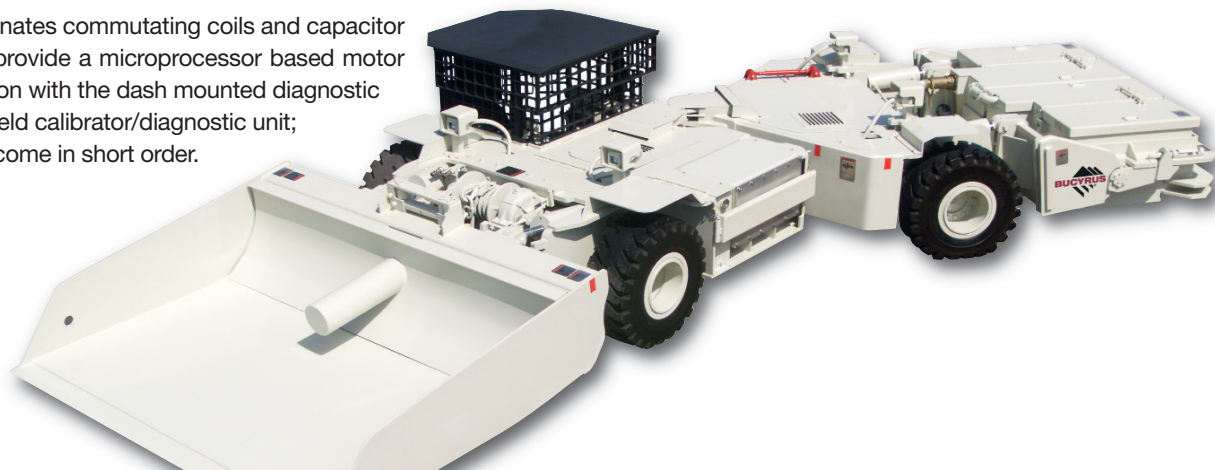
The Bucyrus2000 eliminates commutating coils and capacitor banks, and is able to provide a microprocessor based motor controller. In combination with the dash mounted diagnostic display and the hand held calibrator/diagnostic unit; difficulties can be overcome in short order.

Mine Duty, 50 hp/37 kW Tram Motor

The Un-A-Trac® is equipped with a 50 kW, 110 V DC, IP-54 protection grade, class H insulation series wound traction motor. Providing you with lasting customer service – maintaining a healthy business partnership – making sure your requirements are addressed promptly with integrity in an open and honest manner.

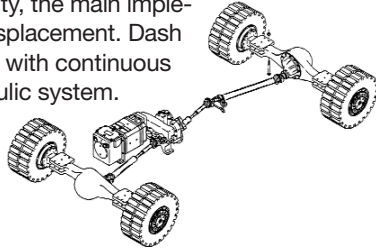


With the ability to engage a battery from below grade, and to vary the ground clearance of the battery in undulating conditions, the versatility of the Bucyrus Scoop is able to thrive in varying mining environments.



Explosion Proof, 16 hp/11.9 kW Pump Motor

All Bucyrus utility scoops feature large hydraulic fluid reservoirs for maximum cooling capacity. Each reservoir is equipped for easy fluid level monitoring. The machines are provided with 10 micron return line filtration and a magnetic particle sump strainer. For long life and dependability, the main implement pumps are helical gear, fixed displacement. Dash mounted gages provide the operator with continuous monitoring of the status of the hydraulic system.



Heavy-duty Drive Train

With options and features like full inboard planetary axles, bulletproof outboard and hub end planetary axles, the BUCYRUS Scoop is the right combination for any application. For unparalleled speed and maximum reliability, the 488 offers dual 50 hp tram motors.

On-demand, Axle Difflock

Providing four wheel drive when conditions get tough – planetary axles with wet disc service brakes, helical, parallel gearbox, spring applied, hydraulically released parking brakes, all combine to provide rock climbing gradeability.

Human-factor Engineered Operator's Compartment

For long shift productivity, operator's comfort is paramount for maintaining a safe working environment. At Bucyrus, ergonomics is not just another marketing buzzword. Controls are placed in a logical, easy to reach position and are easily operated from the fully padded, adjustable seat.

Heavy-duty Center Section

To provide superior stability in tough conditions, the Un-A-Trac® offers ball bearing oscillation. The problems associated with three point hitch style oscillation are eliminated with the robust design of the pivot section. High strength, low alloy steel bearing attachment faces, and quality ANSI/AWS welding, help provide the reliability that our customers demand. The articulation joint features hardened spherical bushings to insure even load distribution to the high strength hardened articulation pins.

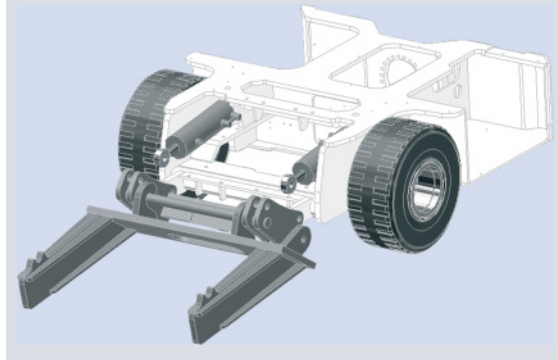
Bucyrus Series Charger

BUCYRUS chargers feature a ferroresonant transformer design regulating charging current by allowing the battery to determine its own cycle rate in accordance with its state of discharge. It provides a constantly tapering charge that eliminates the possibility of over-charging, even with line voltage variations of plus or minus 10%.



Quick Attach System

For additional flexibility, the Un-A-Trac® quick attach system allows for speedy conversion from a fork machine for yard work to a section utility scoop. With the battery lift option, quick change out of Un-a-Hauler® discharged batteries can be accomplished close to the face, providing an extra productivity boost to battery haulage miner sections. This option in conjunction with the new vertical lift and tilt feature, provides added flexibility for general purpose use.



Optional Features

- Vertical lift and tilt
- Dual tram motors
- Battery sizes from 550 to 1500 Amp/Hrs
- Two-speed winch (488-6 & 636 models)
- Heavy-duty, forged steel fork frame
- Special rock bucket
- Hydraulically operated cab assembly (488-6 and 636)
- Bucyrus Control Stick
- Diesel versions available

Five stars
you can
rely on

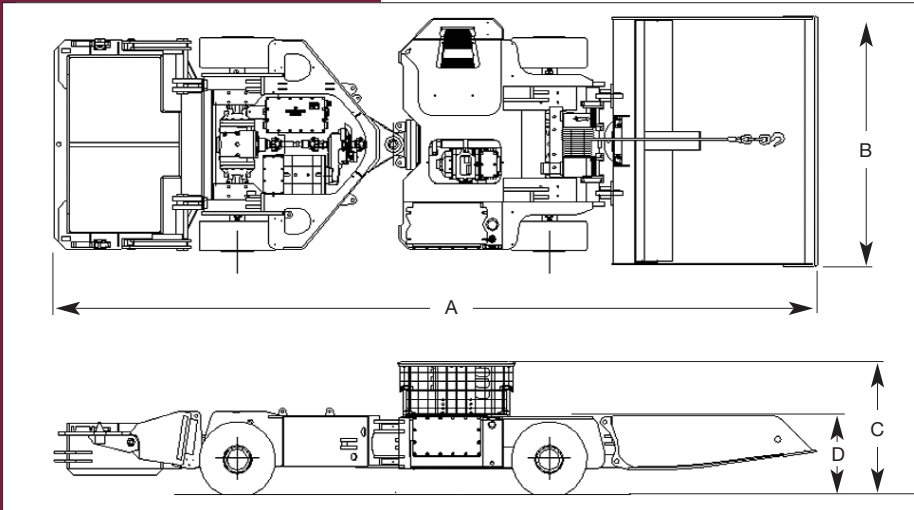


We are constantly tailoring our services to maximize:

- Safety
- Reliability
- Quality
- Know-how
- Integrity

The Bucyrus Five-Star Service ensures that mining equipment remains a highly productive asset. Get the best out of world-class Bucyrus equipment.

Dimensions Un-A-Trac®



MODEL	Payload Capacity	A	B	C*	D*
488-L DM	10 tons 9.1 tonnes	30 ft. 8 in. 9347 mm	9 ft. 7 in. 2920 mm	3 ft. 915 mm	2 ft. 10 in. 864 mm
488XL	5 tons 4.5 tonnes	28 ft. 9 in. 8760 mm	9 ft. 7 in. 2920 mm	2 ft. 10 in. 864 mm	2 ft. 1 in. 635 mm
488	10 tons 9.1 tonnes	29 ft. 3 in. 8915 mm	9 ft. 7 in. 2920 mm	3 ft. 10 in. 1170 mm	2 ft. 10 in. 864 mm
488-6 DM	16 tons 14.5 tonnes	31 ft. 5 in. 9576 mm	9 ft. 7 in. 2920 mm	3 ft. 10 in. 1170 mm	3 ft. 2 in. 965 mm
488-6	16 tons 14.5 tonnes	29 ft. 3 in. 8915 mm	9 ft. 7 in. 2920 mm	4 ft. 1 in. 1245 mm	3 ft. 2 in. 965 mm
636 SS	25 tons 22.7 tonnes	36 ft. 4 in. 11074 mm	9 ft. 7 in. 2920 mm	5 ft. 6 in. 1676 mm	3 ft. 7 in. 1092 mm

*Height depending on tire option

Un-A-Trac®488D

The new Diesel UN-A-Trac® offers an alternative to battery powered low seam utility vehicles.

- Diesel power pack with four speed power shift transmission
- Axle with 39 tons (36 tonnes) load rating
- Rolling element oscillation bearing rated at 29 tons (26 tonnes) axial, 66 tons (60 tonnes) radial
- SAHR fail safe brakes
- Optional Dry Scrubber Exhaust
- PA and WV units



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