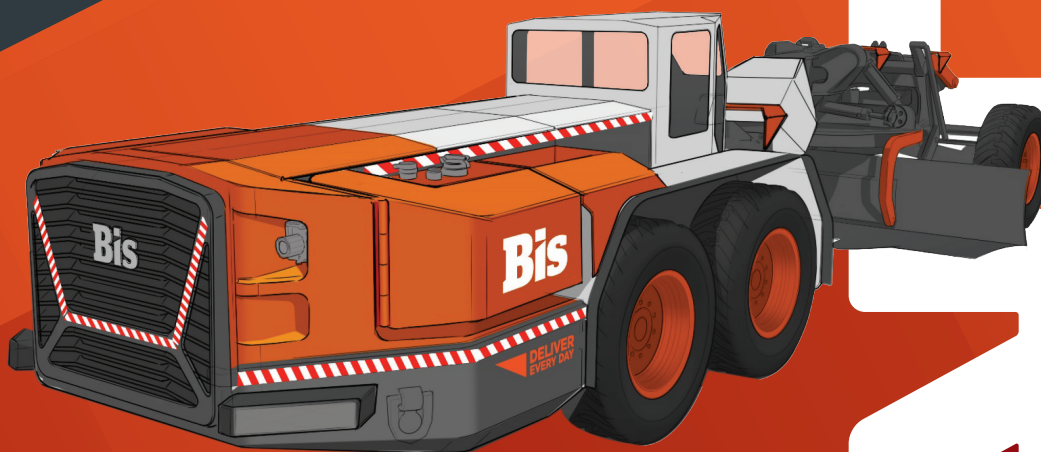


The cutting edge in underground graders.

Bis understands the needs of miners because we are miners. We are on the ground and underground. You'll find us on site, getting our hands dirty, operating and maintaining mobile mining equipment for our customers. We listen to your frustrations and challenges and work hard to develop solutions. We use our experience and understanding of your operation to build more productive, safer, agile equipment that is designed for the people that use them.



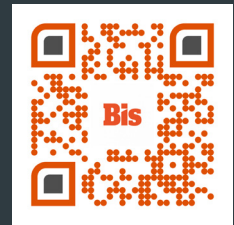
REWORK

BISINDUSTRIES.COM

Another industry leading innovation from Bis

Bis

The new Razor Underground Grader is a direct response to industry demand. It has been designed with miners, for miners, to deliver better operator ergonomics and exceptional performance, from the cab to the cutting edge.



It's another example of how we Deliver Every Day, to keep you on coal.

Key features:

- Optimised grader mass resulting in improved ground engagement forces through blade
- Increased power/torque, providing traction for ground engagement forces through blade
- Transmission upgraded from 3 to 4 speed for a wider range of grading speeds
- The engine system is NSW MDG43 compliant providing low engine exhaust emissions
- Braking system is NSW MDG 39 compliant incorporating dual SAHR emergency/park brakes directly coupled to the rear drive wheels for safety and reliability.
- The drivers cabin has dual access with improved ergonomics for driver safety and visibility, both forward and at blade
- Engineered to improve uptime, reducing maintenance costs and down time
- Heavier, higher powered and more robust to shift more material

SPECIFICATIONS

ExDES	MDG43 compliant
Installed Power	130 kW
Emissions	DPF
Tare Mass	22 T
TE	12 T
Grade	1 in 4
Cross Grade	1 in 8
Transmission	4 speed
Speeds	4, 8, 13, 24 kph
Canopy	FOPS, ROPS
Canopy Height	1900 - 2300 mm