



# MINING

## Increasing Mining Equipment Uptime

The Mining industry requires highly reliable motion feedback built to withstand high temperatures, contaminants, and conformance with industry standards. Keeping your mining equipment up and running in such hazardous environments is crucial to your business. Dynapar's harsh duty and hazardous duty encoders offer rugged dependability and maximum equipment uptime.



*shafted* AR62/63

### Magnetic Absolute Encoder

- Stainless Steel or Aluminum Housing
- Submersible - IP69K Available
- -40°C to 100°C Temperature Range
- 12-bit Single-Turn Resolution
- Up to 16-bit Multi-Turn Resolution



*shafted* AX65

### Explosion Proof Absolute Encoder

- Extreme Corrosion Resistance
- ATEX and IECEx Certified
- Single-Turn and Multi-Turn Resolution
- Protection Class IP66/67
- Certificates: Ex I M2 Ex db I



*non-contact sensor* HDP30

### Non-Contact Position Sensor

- CAN SAE J1939 Communication
- True Non-Contact Position Sensing up to 1/2" Air Gap
- IP67 Environmental Rating
- Compact 30mm Housing
- Completely Sealed Electronics



*hollow-shaft* HS35R

### Harsh Duty Optical Encoder

- IP67 Sealing
- Unbreakable Code Disc up to 5000 PPR
- Phased Array Sensor for Reliable Signal Output
- Rugged Design withstands up to 400g Shock
- Improved Seal Design for Increased Moisture Resistance

*Blast Hole Drill: Encoder used to measure mast angle*



*Mine Vehicle: Encoders used in motors for electric traction drives*



*Roof Bolter: Used for positioning working booms*



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View Dynapar's Encoder and Resolver product portfolio at  
[www.dynapar.com](http://www.dynapar.com)