



# Intelligent Roadheader EBZ160i

# Heading Monster



## Remote control

Through the combination of wireless and wired, one-key automatic cutting is realized, and the control distance is more than 500m.



## Highly intelligent

Autonomous navigation, slope tracking, pose error  $\leq 0.1^\circ$ . Heading angle error  $\leq 0.15^\circ$ .



## Fault warning

Equipped with a complete sensor network, online monitoring of working conditions, early warning and alarm of faults.



## Efficient cutting

Adaptive cutting technology, identify the hardness of coal and rock, and adjust the cutting feed speed independently.



## High security

Electronic security system, with the function of proximity identification and alarm for personnel in dangerous areas.



## 3D simulation

Combination of virtual and real attitude coordinates, real-time display and control application of roadheader position.

## Main technical data

Project	Parameter
Positioning cutting height (m)	2.3 ~ 5.3
Positioning cutting width (m)	3.5 ~ 5.75
Gradeability(° )	± 20
Working slope (° )	± 18
Unilateral compressive strength of Max/suitable in cutting rock	≤ 80/60
Dinting depth	247
Rotating speed of cutting head/ telescopic length(rpm/mm)	46/23/550
Loading capacity (m³/min)	3.5
Ground clearance (mm)	260
Cutting motor power (kW)	160/100
Oil pump motor power (kW)	90

## Weight/Dimensional data

Project	Parameter	
Maximum non-removable size (length × width × height) (m)	body frame	3.65 × 1.16 × 1.32
	front chute of the first conveyor	3.80 × 0.59 × 0.57
	rear support frame	1.21 × 2.27 × 1.10
Maximum weight of non-removable parts (kg)	body frame	5400
Machine weight (t)	second conveyor	49

### Cutting system

- Dual telescopic patented technology to solve the eccentric cutting load.
- Internal spray patented technology to solve industry problems.
- Flexible coupling to reduce the failure of cutting part.
- Motor box cutting to improve cutting capacity.

### Electric hydraulic system

- Sensitive response and precise control.
- Energy saving and consumption reduction, real-time replenishment.
- Fault warning and precise positioning.
- Equipped with 145+145 electronically controlled pump.

### Inertial navigation system

- Precise positioning of the main engine in the well.
- Autonomous navigation, automatic deviation correction.

### Visual system

- Automatically crop video assist.
- 1080P HD camera, infrared fill light.
- Fully display the work scene.

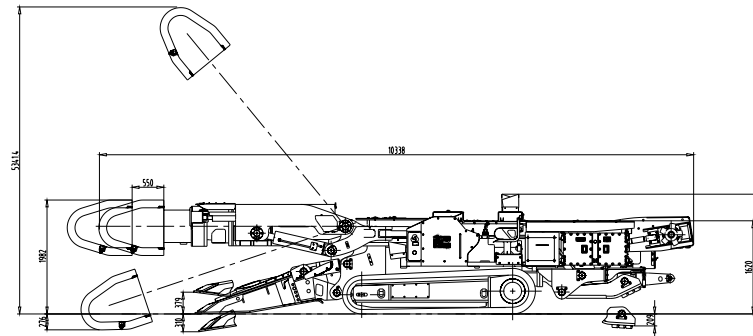
### Electronic control system

- Flexible operation and precise control.
- Manual, line-of-sight control, over-the-horizon control over 500 meters.

### Power system

- Optimized design to achieve gradeability of ± 20° and working gradient of ± 18°
- Anti-cavitation design of pumping station output system.

## Overall size



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