

# Multi-Functional Excavation and Drilling Equipment

This equipment integrates rock drilling and loading for continuous operation. It is used for excavation in mine rock roadways and tunnels to improve speed and safety.



## Overview

### High-Efficiency Tunneling Solution

This multi-functional excavation and drilling equipment is engineered for demanding underground mining and tunneling operations. It integrates robust mucking capabilities with precise drilling functionality, featuring a powerful 90kW system designed to handle adaptive tunnel sizes from 3.5m to 6.0m. With advanced boom controls and a high-capacity scraper conveyor, this machine optimizes productivity and operational flexibility in challenging rock environments.

## Key Metrics

### Operational Performance

**90 KW**

Total Power

**180 m3/h**

Mucking Capacity

**31000 kg**

Weight

## Dimensions & Mobility

|                    |                        |
|--------------------|------------------------|
| Overall Dimensions | 10800 x 2000 x 2600 mm |
| Tramming Speed     | 0.9 Km/h               |
| Turning Radius     | 7000 mm                |
| Ground Clearance   | 341 mm                 |

## Drilling Specifications

### Boom Movements

| Movement              | Range         |
|-----------------------|---------------|
| Boom Up/Down          | 55° / -25°    |
| Boom Swing Left/Right | -15° / 35°    |
| Boom Rotary           | +180° / -180° |

|                |                     |
|----------------|---------------------|
| Drifter Model  | Montabert HC28/HC50 |
| Drilling Depth | 2700 mm             |
| Hole Diameter  | 43 mm               |

## Excavation & Mucking

### Digging Capabilities

- Digging Width: 5700 mm (Max)
- Digging Height: 4600 mm
- Digging Depth: 1100 mm

### Scraper Conveyor Specs

- Max Rock Size: 620 x 710 mm
- Scraper Speed: 25-37 m/min
- Dumping Height: 1000 mm
- Dumping Distance: 1400 mm