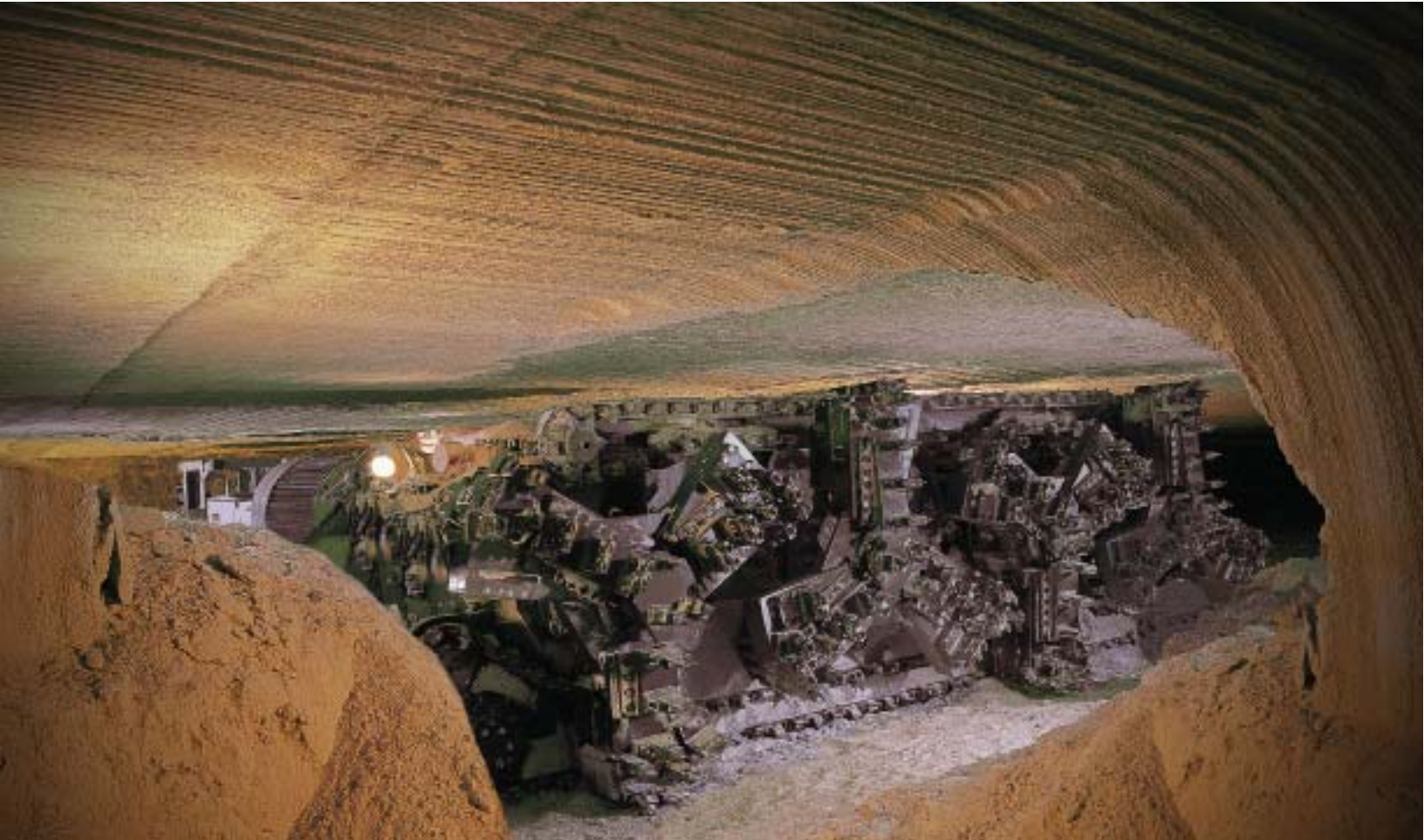


# PMP



## Xcel Miners 4-Rotor

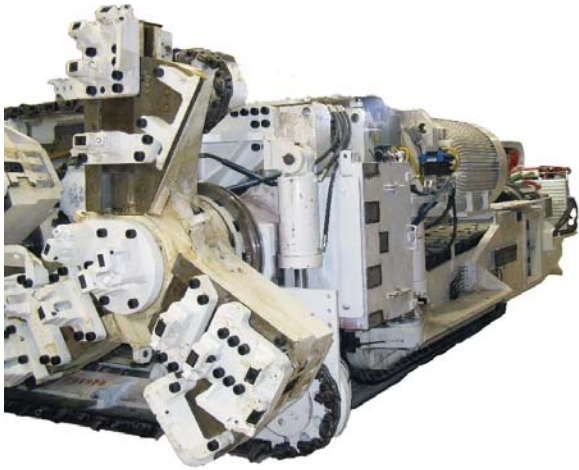
Prairie Machine & Parts | A World Leader in Supplying Underground Mining Equipment

**XCEL**  
Miners

# Performance & Productivity

## Xcel 4-Rotor Continuous Boring Mining Machine

The Xcel Continuous Rotor Boring Mining Machine has a 25-year history of continuous operation and improvement in potash, salt, trona, and coal mines.



4-Rotor Continuous Boring Mining Machine

The Xcel 44 Continuous Boring Mining Machine is a 4-Rotor underground continuous mining machine designed for mining wider and lower profile rooms than our two-rotor models.

The cutting face of the Xcel 44 consists of four rotors, two trim chains, and strategically placed cusp cutters that combine to provide a cutting profile with a flat back, flat floor, and a smooth transition into the ribs.

PM&P manufactures several variations of the 4-Rotor Continuous Boring Mining Machine, including:

- **Xcel 44** - 8'3" Cutting Height
- **Xcel 44** - 8'6" Cutting Height



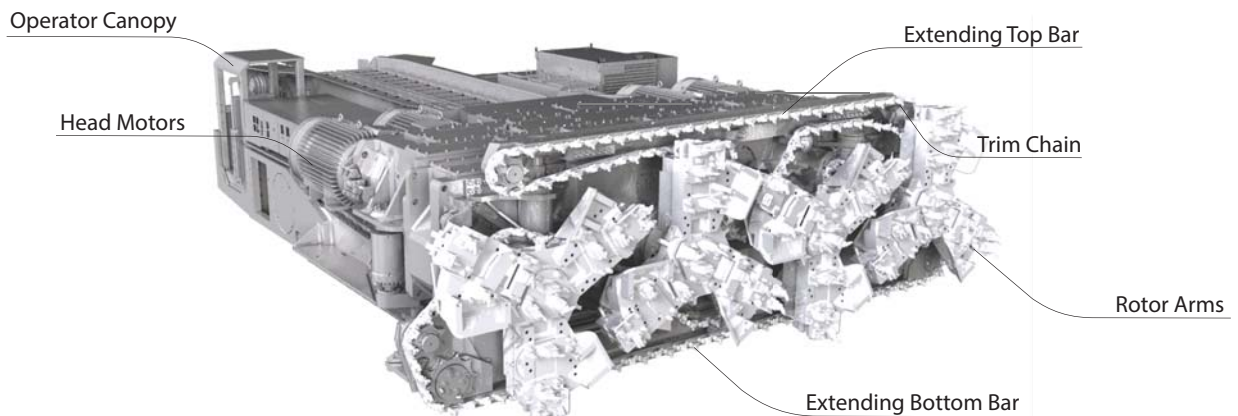
4-Rotor Continuous Boring Mining Machine

The crawler frame, rotor drive gear case, and rotors are fabricated from high strength steels, which are stress relieved and precision machined. All gearing in the Rotor Drive Train and the Tram Drive system are case carburized and precision ground to AGMA standards. The conveyor structure is manufactured using high-strength abrasion-resisting plating.



4-Rotor Continuous Boring Mining Machine

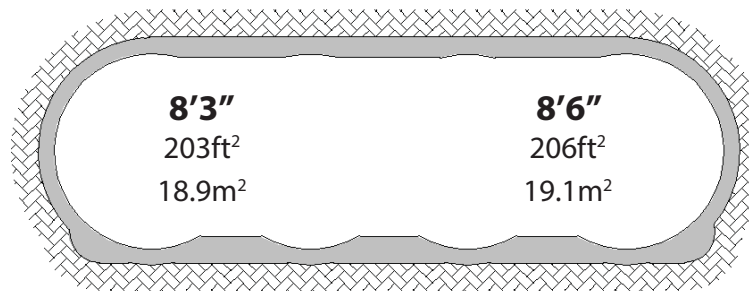
Mined ore is conveyed through the center of the Xcel 44 to the rear via two conveyors paired on a single drive.



# Specifications

## Specifications

	Xcel 44 (8'3")	Xcel 44 (8'6")
Cutting Width (Max)	25.8ft (7.70m)	26ft (7.92m)
Cutting Height (Max)	8.3ft (2.51m)	8.5ft (2.60m)
Tramming Height	7ft (2.13m)	7.5ft (2.29m)
Cutting Profile Area	203ft <sup>2</sup> (18.86m <sup>2</sup> )	206ft <sup>2</sup> (19.13m <sup>2</sup> )
Number of Rotors	4	4
Rotor Motor HorsePower	400Hp (298kw) @ 1200rpm	400Hp (298kw) @ 1200rpm
Tramming Speed	0 - 20ft/min (0 - 6.1m/min)	0 - 20ft/min (0 - 6.1m/min)



All of the Xcel Boring Mining Machines discharge the ore from one central location at the rear of the machine and can be easily integrated with various **PM&P haulage systems**, making it a world-class continuous mining solution.

### Safety Features

- Safety guards on all moving parts
- Electric over hydraulic controls assure the Operator's safety and comfort
- The Operator's pit can be raised and lowered, allowing for improved safety and visibility
- Dual lockout for head motors and pumps

### Operational Features

- Heavy duty construction
- System is designed to cut and gather the material simultaneously

### Service / Maintenance Features

- Hydraulic layouts are kept simple for ease of maintenance
- Hydraulic cylinders are designed for low maintenance and minimal repair costs
- Transmission components are protected from shock loading and high torque events
- Manufactured to Quality Assurance Standard ISO 9001:2000

**For more information contact your PM&P representative at 1.888.933.4812**

**ISO** | **9001:2008**  
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**PMP**

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