



Xcel Miners 2-Rotor

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



Performance & Productivity

Xcel 2-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.

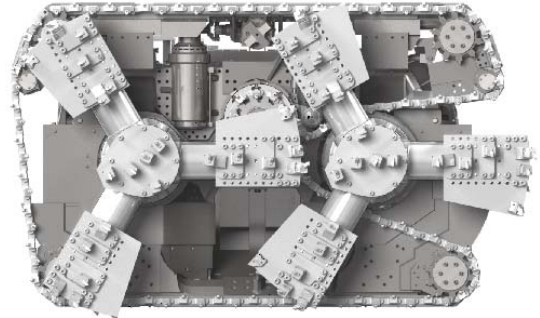


2-Rotor Continuous Boring Mining Machine

This twin or dual rotor miner technology represents the primary production mining technology for some of the world's most productive underground mines.

PM&P manufactures several variations of the Two-Rotor Continuous Boring Mining Machine:

- **Xcel 72A** - the largest and most powerful,
- **Xcel 52** - powerful but slightly smaller for specific geological environments
- **Xcel 32** - the smallest but perfect for development or mine panel maintenance



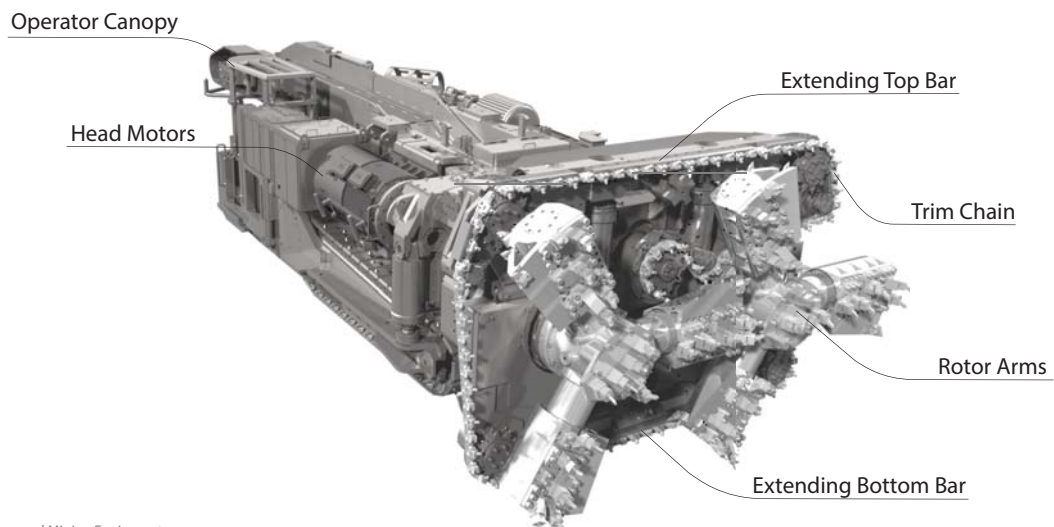
2-Rotor Continuous Boring Mining Machine

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.



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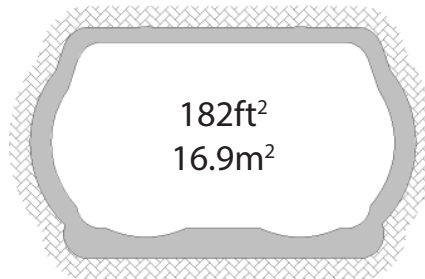
Two auxiliary power output shafts are available to drive hydraulic pumps for custom applications



Specifications

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	Xcel 32	Xcel 52	Xcel 72A
Cutting Width (Max)	14.1ft (4.29m)	18.3ft (5.59m)	20ft (6.1m)
Cutting Height (Max)	8.3ft (2.51m)	11ft (3.35m)	12ft (3.70m)
Tramming Height	7.1ft (2.13m)	9.5ft (2.90m)	10.5ft (3.20m)
Cutting Profile Area	100ft ² (9.29m ²)	182ft ² (16.9m ²)	229ft ² (21.3m ²)
Number of Rotors	2	2	2
Rotor Motor HorsePower	300Hp (224kw) @ 1185rpm	500Hp (373kw) @ 1185rpm	700Hp (522kw) @ 1185rpm
Tramming Speed	0 - 20ft/min (0 - 6.1m/min)	0 - 20ft/min (0 - 6.1m/min)	0 - 20ft/min (0 - 6.1m/min)



All of the two-rotor Xcel Boring Mining Machines use a single chain conveyor to transfer the ore from the face to 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

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CERTIFIED

PMP

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