



1080 BEAM DRILLING SYSTEM

Quiet, Stable & Tough Drill With Confidence

The Rhino 1080 from Edge Automation

Drill More Holes Faster

Optimum RPM, Torque & Thrust for full range of hole sizes.

Accurate & Smooth

Thrust to spare with Electric Servo Motor driven ball screws.

Enhanced Performance and Tool Life

Robust & durable – the strongest construction in its class.

Rhino 1080 Beam Drilling System from Edge Automation

Power + Productivity



Quality through Technology

With superior speed, power and accuracy, the Rhino 1080 Beam Drilling System redefines the standards of CNC drill tooling technology. Fully automated, highly precise and remarkably intuitive, it has the features to boost your productivity and profits:

Wireless Interface

Reduce training time and errors with the Rhino 1080's easy-to-use, highly intuitive software and machine control system.

Non-Contact Edge Finding Laser

Ensure laser accuracy with the zero-point reference optical sensor. With no moving parts, there's nothing to break or repair.

High Performance Speed Range

Achieve optimal horsepower and torque across an industry-leading range of variable drilling speeds from 343 to 2500 rpm using state of the art structural steel drill tooling. The Rhino 1080's high-performance CNC technology incorporates:

- Heavy duty spindle with 12 inches stroke drills holes from 1/4-inch to 2 inches in diameter
- 20 hp WEG motor
- Industry-preferred Ott Hydraulic draw bar with air blast
- Drill Feed Rate of up to 721 in./min.

Ball Screw Motion

Maintain the hole position accuracy in beams over 60 feet in length with dual Rexroth precision ball screw axes (Z & Y), along with rack & pinion on the X axis.

Environmentally-Friendly Mist Coolant

Limit waste and protect the environment with the Rhino 1080's through-tool coolant system.

Self-Contained Footprint

Rediscover valuable floor space with the Rhino 1080 Drilling System. Its self-contained design has no caterpillar floor track to take up room and trap swarf that can cut through hoses and wires. An electrical bus rail provides single drop electrical supply, keeping your workspace cleaner and is easier to service.

Operator Control

Enjoy state-of-the-art functionality with high-performance 3-Axis electric servo motor, Beckhoff CNC controls equipped to import CAD-DSTV files. Remote access allows for simplified troubleshooting and repair, if required.

Strength in Service

The Rhino 1080 is backed by a commitment to technical support, after sales parts and service that is second to none. Rely on our service team for the competitive edge you need to deliver on time, every time.



Rhino

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The Power to Out-Perform

Maximize your beam drilling capabilities with the superior strength and accuracy of the fully-automated Rhino 1080 Drilling System. Compare The Rhino's impressive speed and power to every other drilling machine in its class.

Specifications

Hole Size Maximum	2 inch
Spindle Speed (servo)	340 - 2250 RPM
Spindle Power	20 HP
X-Drive System	Rack & Pinion
Y-Drive System	Ball Screw
Z-Drive System	Ball Screw
Drill Feed Rate	0 - 721 inches per minute
Draw Bar	Ott hydraulic with air blast
Clamp Force	15 Tons
Bed Length per section	10 Feet
Lubrication	Internal air/oil mist
Maximum Beam Length	60+ Feet
Maximum Beam Width	42 Inches
Carbide Tipped Drills	Yes
Holder	CAT 40
Control System	Beckhoff
Power Pack	On board-hydraulic
Warranty	1 Year

Contact

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