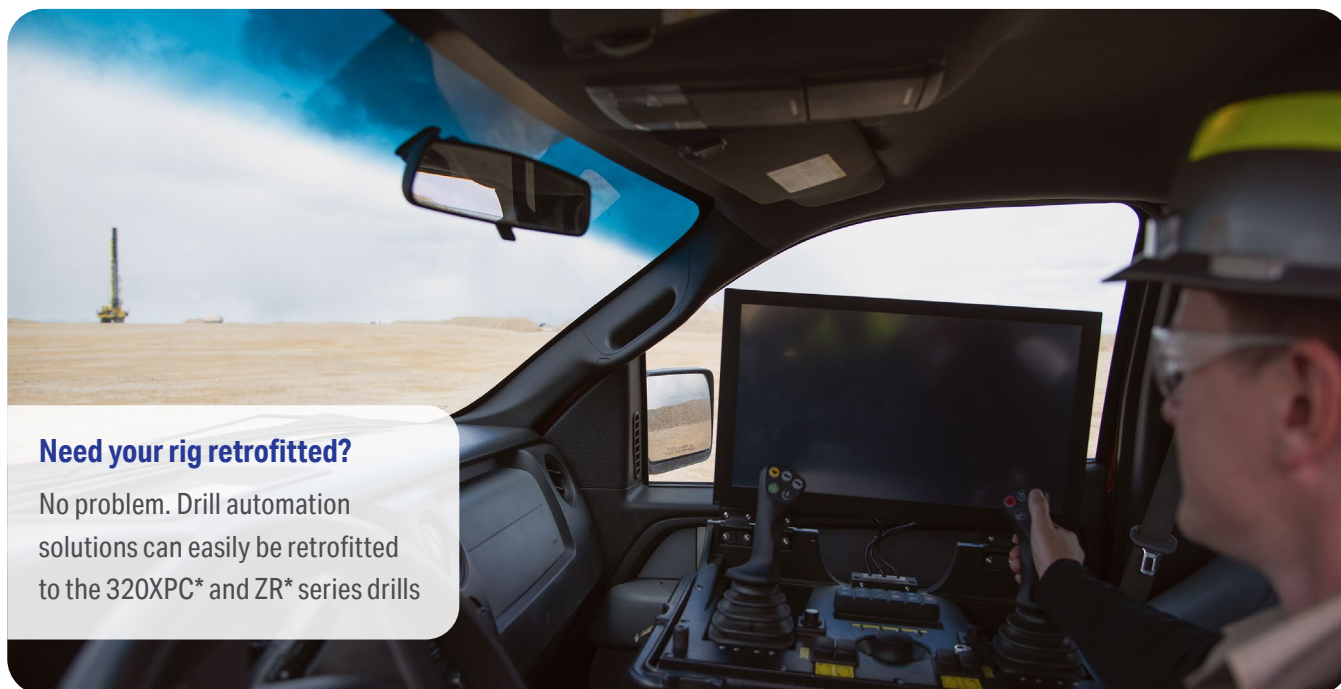




Komatsu drill automation: Advanced precision, productivity and control



Need your rig retrofitted?

No problem. Drill automation solutions can easily be retrofitted to the 320XPC* and ZR* series drills

Effective drilling is foundational to peak operational site performance. Komatsu's drill automation solutions are designed to enhance efficiency, drive consistency and support your zero harm goals — from the first hole to the final blast. By integrating base technologies like adaptive auto drilling and auto leveling, alongside optional foundational elements such as high-precision GPS, these advanced features enable intuitive remote operation and safety-focused capabilities like geofencing and obstacle detection. This lays the groundwork to help promote increased utilization, consistent execution and precise fragmentation — driving peak production and efficient operations at your mine.

What Komatsu drill automation solutions are designed to allow you to deliver:

- **Accurate drilling** through automated depth control and optional high-precision GPS
- **Comfortable line-of-sight teleremote operation** with an intuitive Remote Operation Console (ROC)
- **Support for zero-harm goals** by limiting operator exposure to the pit environment
- **Efficient cutting performance** with adaptive auto drilling, auto leveling and auto mast raising**
- **Increased utilization** through consistent, repeatable drill cycles
- **Consistent fragmentation** by aligning drilling with your site's blast plan

Ready to achieve greater drilling efficiency?
Talk to a Komatsu representative today about elevating your drilling with automation.

*Availability to retrofit is based on as-built conditions. **Auto mast raising available on ZR series drills only.

Streamline drilling. Drive better results.

Discover the powerful features that help make Komatsu drill automation solutions a cornerstone of modern mining. From high-precision control to adaptive performance, each element is engineered to help you deliver consistent, efficient cycles and drive strong results across your operation.

Precision you can count on

Optional high-precision GPS, combined with automated functions, is designed to enable you to deliver consistent, accurate drilling, helping improve fragmentation and reduce variability so each blast meets your specifications.

Control from a comfortable distance

A compact Remote Operating Console (ROC) lets operators manage key drilling functions from up to five hundred meters away. The intuitive interface mirrors in-cab operation for comfortable, effective teleremote drilling in line-of-sight.

Built-in features focused on safety

Optional HPGPS-based geofencing defines drill boundaries, while advanced optional sensors detect objects and terrain. Both are designed to help you protect your workers and equipment with intelligent, automated safeguards.

Take the guesswork out of drilling

Adaptive auto drill dynamically adjusts drilling parameters for efficient cutting. Its built-in exception handling is designed to adapt to ground conditions, keeping the bit engaged to help enhance penetration and efficiency.

Consistency, cycle after cycle

By minimizing variability in drilling, Komatsu's automation solutions are designed to support consistent cycles and dependable utilization, helping operations stay on pace with planned hole targets each shift.

Set the stage for smooth downstream operations

Accurate, consistent drilling enhances fragmentation and blasthole quality, streamlining downstream processes like loading, hauling and crushing to drive efficient production across your entire operation.



Komatsu's drill automation technologies are designed to provide you the control, consistency and efficiency to help take your drilling — and your operation — to the next level.

Automate your drilling. Drive efficiency. Speak with a Komatsu representative today.

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