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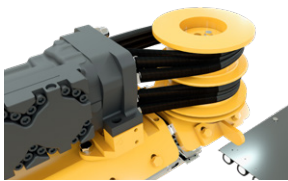
ZJ21
Drilling and Bolting Platform

An innovative common platform that gives you exceptional flexibility

The new ZJ21 jumbo drill delivers exceptional maneuverability and versatility in a small-class machine. Komatsu's first-ever common-carrier design, controls and boom mean you can convert your jumbo to a bolter, or vice versa. Designed for added protection, the unique front-end geometry is engineered for zero interaction with the operator enclosure. If you're looking for superior useable coverage in a small jumbo platform, the new ZJ21 is designed to deliver results.

- **Usable face coverage** of up to 66 m^2 for getting the most from your application use cases

- **Higher uptime** through optimized drifter and feed service intervals, the ability to perform maintenance at ground level, and a groundbreaking boom geometry that limits damage to the front end

- **Improved operator adoption** with simplified training on an easy-to-use, intuitive platform

Quick specs

- Aisle navigation inside 10 ft (3 m) respective of feed length

- Height with canopy in drill/tram position: 7 ft 3 in (2.2 m)

- Width overall: 5 ft 6 in (1.7 m)

We've built the versatile ZJ21 to deliver greater uptime, operator comfort and productivity.

Application flexibility

A unique front-end geometry allows operators to reach lifters and perimeter holes easily, and drill comfortably on various grades. The ZJ21 can even backup a two-boom jumbo in larger development headings.

Drifter options

Komatsu JZD12 and JZD21, manufactured by Montabert, deliver improved consumable life and low TCO. Proven energy recuperation, hydraulic dampening and progressive blow energy technologies are designed to enhance drilling productivity.

Reliable, proven components

The ZJ21 offers proven powertrain components and a universal MCP to maximize flexibility.

ZJ21: Small class. Big productivity.

Productive boom design

A newly designed boom geometry enables the boom to be underslung, allowing for superior aisle navigation in a 3 x 3 m (10 ft x 10 ft) heading (with 16 ft drill steel option), boosting output by pulling longer rounds in small headings. The jumbo shares the bolter boom lift geometry, providing outstanding coverage (up to 66 m^2). Also, everything up to the inner boom is identical, allowing for a seamless conversion from jumbo to bolter.

ROPS/FOPS-certified operator enclosure

The ZJ21 operator space is designed with safety, ergonomics and comfort in mind. A hydraulic height-adjustable canopy is standard. Plus, an enclosed cabin option is available with climate control and industry-leading noise isolation. The operator cabin seat meets ISO standards, plus the seat belt pull design, adjustable height, swivel function and storage compartments offer excellent operator mobility and comfort.

Telescopic and fixed drilling feeds

Lightweight, durable and cost-effective drilling feed delivers superior drill performance and reduced daily maintenance. You need equipment engineered for reduced overall operating costs, and our feeds have a proven track record of low maintenance. Optional hard or soft bushings decrease the cost of consumables, and sealed-for-life bearings eliminate the labor costs of daily greasing of feed rail and hose pulleys.

Explore the ZJ21 small-class jumbo and see how it can help you bring versatility and agility to your underground hard rock mining fleet. Talk to an expert today.

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