KOMATSU

Komatsu Drilling Solutions







Trust your conversion to Komatsu

With each brand and company added to the Komatsu family, we expand our capabilities, leveraging our global teams to push beyond what can be done to create what can be imagined.

As the premier provider of drilling solutions, Komatsu Mining's extensive experience performing conversions means a seamless transition, regardless of the drill manufacturer.



Converting to a Komatsu drilling solution comes with a number of benefits for you and your job site

Custom Solutions

We work closely with you to determine the best solution for your specifications using:

- Our customer inquiry process
- Selection tools

Versatility

Komatsu drilling solutions can be installed on a variety of drill types, including:

- Jumbo drills
- Bolter drills
- Longhole drills
- Tunneling drills

Reliability & Productivity

Komatsu drilling solutions are highly efficient:

- · Reliable, low cost, low weight, innovative designs
- Improved penetration rates
- Wide application range
- Reduction in consumable costs
- Stronger rotation systems

Standardize your fleet

- Operators and mechanics train on one system vs. multiple components
- Rebuilds and maintenance require just one service provider
- Reduce need for excess inventory



Streamline your operations by upgrading your fleet to a Komatsu drilling solution

FEEDS

Our Timberock feeds increase uptime and reduce operating costs by maximizing drilling performance of Montabert drifters through feeds designed to complement their performance.

- Lightweight aluminum components:
- Feed beam
- Bolt-on foot adaptor
- Cradle assemblies
- Centralizer components
- Quick-release feed cable system includes same length of feed cables
- Steel drill mounts built for specific drills

- Urethane components that are:
- Lightweight
- Durable
- Cost-effective
- Reliable, low-cost, low-weight, innovative designs
- Wide application range



- Patented technology and design in alignment mechanism
- Patented flexible bolt centralizer
- Patented sceen-handler option

BOLTERS

Our Timberock bolter heads offer increased productivity, reduced costs, and more!

- Unit can be maintained in the field
- Extended maintenance intervals relative to competitors
- Optimized and simplified component design to maximize time between maintenance

MONTABERT INTELSENSE CONTROLS

Designed specifically for use with Montabert Drifters, our Intelsense controls maximize drifter performance

- Optimizing pressures and flows
- Providing the best penetration rates with the lowest cost per meter in the industry









Montabert Drifters

Increased Safety

Montabert drifters enhance the operator's environment:

- Lower noise level
- Less vibration
- Longer rebuild intervals mean less time at the face for operators

Decreased Costs

Montabert drifters are the lowest maintenance drifters on the market:

- Reduced production and consumables cost
- Lower maintenance costs
- Increased tool life (striking bar, bits, and coupler)
- Less wear on drifter body sections and pins, bushings, boom, etc.

DRIFTER CONVERSIONS

Model								
		Weight	Percussion power	Impact rate	Percussion flow pressure	Rotation flow pressure	Application	Hole range
HC25	-	72 kg 158 lbs	8 kW	3900 BPM	65 I/min 150 bar	30-48 I/min 175 bar	Light face drilling, bolting	38 – 64 mm 1" – 2"
HC28		103 kg 227 lbs	6-9.8 kW	3200 BPM	68 I/min 160 bar	48 I/min 210 bar	Light face drilling, bolting	32 – 64 mm 1.25" – 2.5"
HC50		103 kg 227 lbs	14 kW	Up to 4,400 BPM	80-105 l/min 150 bar	25-52 l/min 150 bar	Face drilling, bolting	45-76 mm 1 3/4" - 3"
HC95	-	170 kg 375 lbs	Up to 24 kW	Up to 3,800 BPM	90-120 I/min 160-200 bar	48-75 I/min 210 bar	Face drilling, long hole, bolting, scale	45-102 mm 1 3/4" - 4"
HC109		142 kg 313 lbs	Up to 19 kW	2900-3500 BPM	100-135 I/min 135 bar	30-60 I/min 150 bar	Face drilling, long hole, bolting, scale	45-102 mm 1 3/4" - 4"
HC110		200 kg 441 lbs	Up to 27 kW	4620 BPM	90-170 l/min 165-225 bar	65-75 l/min 175 bar	Face drilling, long hole, tunneling, shaft drilling	51-89 mm 2" - 3 1/2"
HC112	- 344	248 kg 547 lbs	26 kW	2740 BPM	170 l/min 180 bar	70-80 I/min 175 bar	Long hole	76-127 mm 3" - 5"

(1) Energy recovery valve

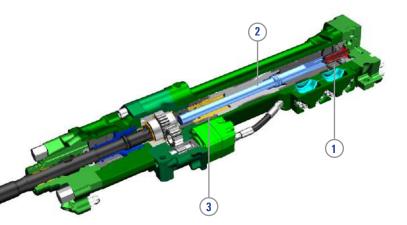
- Allows piston rebound energy to be used for the next blow
 - Better efficiency
 - No internal peak of pressure source of cavitation
 - Best drifter position

(2) Unique piston design

- Generates a perfect, long, trapezoidal shock wave
- Better transmission of energy at the couplings
- Minimum stress into the drilling rods
- Better bit penetration
- Optimum shock wave transmission

(3) Hydraulic dampening system

- Contributes to increased safety
- Protection of the drifter and tools
- Reduced vibrations
- Optional hydraulic reverse percussion system ensures real back hammering
- Tool extraction in fractured ground



visit mining.komatsu for more information on converting to a Komatsu drilling solution.

Ready to convert?

Contact your Komatsu

Mining service rep or

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Revolutionizing the mining industry for a sustainable future

Our industry-leading surface and underground mining products are used worldwide to extract fundamental minerals for developing modern infrastructure, technology, and consumer products.

Through our full line of products supported by advanced IoT technologies, and our global service network, we maximize value for our customers while safely and sustainably optimizing their operations.

Komatsu: Leading the way >FORWARD

Since 1921, our enduring global success has stemmed from the principles of our founder, Meitaro Takeuchi, who envisioned a sustainable future built through: quality, technological innovation, globalization, and talent development. These defining principles, along with an emphasis on safety, compliance, and social responsibility, remain a part of our Komatsu DNA.

Visit us online at mining.komatsu

Komatsu: Revolutionizing the mining industry for a sustainable future

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