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DRILL MASTS

2023

The Driller's Choice



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The Driller's Choice





MINCON, EST. 1977

Mincon has earned its reputation as The Driller's Choice thanks to nearly five decades of developing world-class rock drilling solutions for a wide range of applications.



EXPERTS ON SITE

Our rock-drilling expertise doesn't stop at manufacturing. Around the world, our highly qualified teams work closely with customers to tailor their requirements to available drilling platforms and ground conditions, while also accounting for application-specific requirements. Importantly, feedback from every drill site is provided to our design engineers, informing the cycle of continuous improvement.



SOLUTIONS FOR EVERY APPLICATION

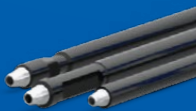
Our products can be found on drill sites around the world, in the blasthole, exploration, geotechnical, water-well, geothermal, and commercial solar industries.

At each of those projects, drillers have insisted on using Mincon tools and drill masts for their superior reliability, durability, performance, and efficiency.



ENGINEERED EFFICIENCY

For us, efficiency means drilling faster while using less fuel and maintaining productivity throughout the useful life of a product. We want our customers to get the best performance out of their drilling solution. We achieve this with our own, proven designs; precise manufacturing; and proprietary heat-treat processes, all of which result in components that have tight tolerances, as well as tailored surface and material properties that ensure longer life.



EUROPE AND MIDDLE EAST REGION

All European Countries
Middle East Countries

AMERICAS REGION

North and South America

AFRICA REGION

African Continent

ASIA PACIFIC

Australia, New Zealand,
Pacific Islands

POINTS OF PRESENCE

With nine global factories, a growing network of Mincon customer service centers, and more than 200 distributors, we have the international presence that our customers need. We manufacture within each respective region to meet local customer demand, while providing service and support to ensure customers achieve optimum productivity from their assets.

COMPREHENSIVE PRODUCT RANGE

Our ambition is always to offer customers a comprehensive range of drilling tools that will drill faster and last longer. Individually, Mincon products offer incremental savings. Together, a complete Mincon drill string will deliver tangible savings through higher penetration rates, unparalleled durability, rock-solid reliability, and reduced strain on auxiliary components.



BUILT FOR DRILLERS, BY DRILLERS

Our drill units are engineered to reduce maintenance and increase operational simplicity. This approach results in stronger components and equipment that lasts longer.

Businesses need efficiency and flexibility to grow. Efficiency is engineered into every drilling system we design. We start by understanding your application and the sub-surface conditions you need to drill through. From there, we help you build your drill tooling package and drill mast system from the ground up, to maximize your penetration rates and equipment performance.

This flexibility comes from our “Integrated Solutions” ethos. We build our drill mast attachments to integrate with your existing fleet of excavators by building bespoke mounting systems. Then, through our support technology partnerships, each unit can be integrated with GPS location systems, remote controls, and other on-site support technologies. Finally, our modular build structure allows for multiple drilling applications and tooling setups to be used as your business grows into new projects.

Mincon’s integrated drilling solutions give you the efficiency you need to grow your business, with the flexibility to diversify it and lower your long-term equipment costs. With lower maintenance requirements and a growing network of service and support partners, our integrated drilling solutions help simplify equipment ownership for your business.



Modular components like our JT200 drill head make drilling more reliable and affordable.

PACKAGES BUILT AROUND YOUR APPLICATION

DID YOU KNOW?

Our new M220-PD Solar Pile Driver drill mast attachment is available with a hard rock pre-drilling package.

We build your drill tooling package based on your sub-surface conditions, to maximize drill speed and project efficiency.

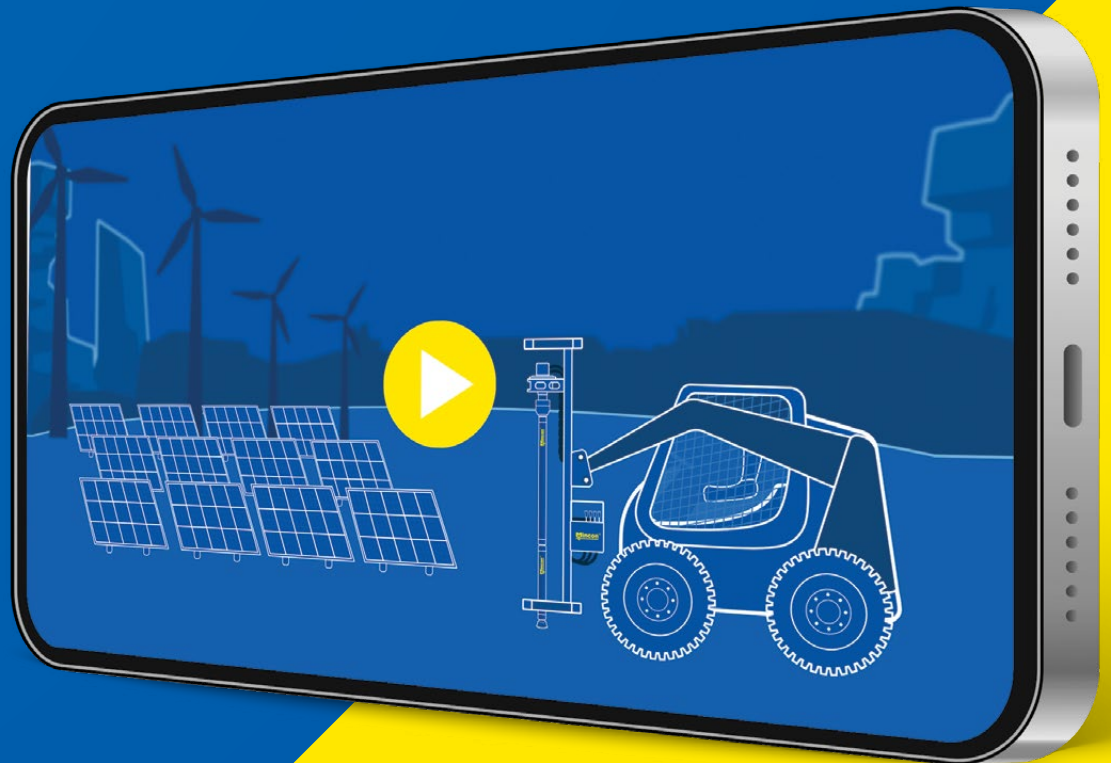
To achieve optimum performance and project efficiency, we build your drill tooling package to suit your application and sub-surface conditions. This ensures that your drill mast and tooling package will help you get work done on time and within budget.

We build complete drilling packages for almost any application, including hard-rock drilling using our highly efficient DTH hammers, heavy-duty drill bits, and drill pipe. We can also build dedicated

dewatering drilling packages and now offer pile driver setups for solar applications with our powerful M2-PD Series Drill Masts. Many more options are available for micropiling, geotechnical and fence post drilling. Mincon rigs, masts, hammers, and drill pipes use industry-standard connections so that each package can easily be integrated with any existing tooling you have. Our equipment and product experts specialize in building drill packages for renewable energy installations, even in the hardest rock.



**Want to learn more
about building
your complete
drilling package?
Scan the QR code
to get started!**



M220-PD

SOLAR PILE DRIVER

The M220-PD Solar Pile Driver Mast for Excavator Attachment is ideal for solar pile driving applications. A 1 000 joule impact force hammer drives piles fast and efficiently via the included remote control pack. The hydraulic slide moves the mast quickly on and off the pile, while integrated GPS systems get you on location. The M220-PD Pile Driver Attachment connects to the excavator's auxiliary hydraulic ports and can be operated via the main control panel on the drill mast or the included remote control pack.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	30 Gal/min	114 L/min
Max Pullback / Pushdown	22 000 lb	9 979 kg
Dimensions		
Height	25' 6"	7.77 m
Mast Stroke	20'	6 m
Width	58.4"	1 483 mm
Weight* (excl. hydraulic hoses)	4 125 lb	1 875 kg
Attachment Type	Excavator Only	
Hammer		
Impact Force	1 000 joules	
BPM	550 - 900	
*Available with Trimble® Groundworks Machine Control System Integration		

Key features:

- 25' 6" mast height
- 20' mast stroke for H-beam piles
- 22 000 lb of pullback / push down
- Excavator attachment only
- 90° side-mount hinge system
- 1 000 joule pile-driver hammer
- Remote control package for hammer, feed, horizontal slide, angle - (requires power)
- Mag-lift for pile pickup / placement
- T-Leg transport/storage legs



Want to learn more about the M220-PD? Scan the QR code to get in touch!

EFFICIENCY THROUGH INNOVATION



Built for integration. Grow your business with integrated solar solutions for your excavators and GPS locations system to maximize your project efficiency.

Construction Technology integrations are the solution solar drilling companies have been looking for to take their operations to the next level. Our equipment offers seamless integration options with multiple technology partners to help our customers grow their businesses.

Our Construction Technology integrations allow operators to use real-time 3D design information to guide their equipment. With these integrations, drilling crews can quickly and accurately determine the exact location for their piles, ground screws or pre-drilling boreholes, and eliminate the need for manual measurements. This significantly reduces the risk of errors for quicker completion times, lower costs, and increased productivity on every job site.

Trimble® Groundworks Machine Control System is an example of Construction Technology integrations that are revolutionizing the solar installation industry by delivering unprecedented accuracy and efficiency to the pre-drilling and installation process.

INTEGRATES WITH TRIMBLE

The Trimble Groundworks System has been customized specifically for our machines and the unique needs of solar installation projects, ensuring that contractors have the tools they need to get the job done efficiently and effectively onsite.

Utilizing integrated Construction Technology like the Trimble Groundworks Systems can streamline your installation operations, improve safety, and save time and money. With direct installation, service and support from Trimble our partnerships with integrated Construction Technologies give you an efficient foundation to grow your business.



M212-PD

SOLAR PILE DRIVER

The M212-PD Solar Pile Driver Mast for Excavator Attachment is ideal for solar pile driving applications. A 1 000 joule impact force hammer drives piles fast and efficiently via the included remote control pack. The hydraulic slide moves the mast on and off the pile quickly while the available GPS location system from Trimble gets you on location. The M212-PD Pile Driver Attachment connects to the excavator's auxiliary hydraulic ports and can be operated via the main control panel on the drill mast or the included remote control pack.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	30 Gal/min	114 L/min
Max Pullback / Pushdown	22 000 lb	9 979 kg
Dimensions		
Height	17' 5"	5.3 m
Mast Stroke	12'	3.6 m
Width	58.4"	1 483 mm
Weight* (excl. hydraulic hoses)	3 520 lb	1 600 kg
Attachment Type	Excavator Only	
Hammer		
Impact Force	1 000 joules	
BPM	550 - 900	
Max Pile Dimensions (Guide opening)	11" x 12"	279 mm x 304 mm
*Available with Trimble® Groundworks Machine Control System Integration		

Key features:

- 17' 5" mast height
- 12' mast stroke for H-beam piles
- 22 000 lb of pullback / push down
- Excavator attachment only
- 90° side-mount hinge system
- Pile-driver hammer
- Remote control package for hammer, feed, horizontal slide, angle - (requires power)
- Mag-lift for pile pickup / placement
- T-Leg transport/storage legs



Want to learn more about the M212-PD? Scan the QR code to get in touch!

M220

DRILL MAST ATTACHMENT

The Rock Drill M220 Excavator Rock Drill Mast Attachment is ideal for micropiling, foundation, pre-drilling hard rock and solar applications. Capable of drilling with augers, helical anchors, ground screws, DTH hammers and mud drilling setups the M220 Excavator Rock Drill Mast Attachment connects to the carrier machine auxiliary hydraulic ports and can be operated via the main control panel on the drill mast or the optional remote control pack.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	34 gal/min	128 L/min
Max Pullback / Pushdown	22 000 lb	9 979 kg
Dimensions		
Mast Height	23' 10"	7 265 mm
Mast Stroke	20'	6 096 mm
Width	51"	1 303 mm
Weight* (excl. hydraulic hoses)	3 652 lb	1 660 kg
Attachment Type	Excavator Only	
Rotary Head - JT200 Series		
Max Torque	10 595 lb-ft	14 230Nm
Max Speed	204 rpm	
Speed Control	Variable	
*Depending on options.		



Want to learn more
about the M220?
Scan the QR code
to get in touch!

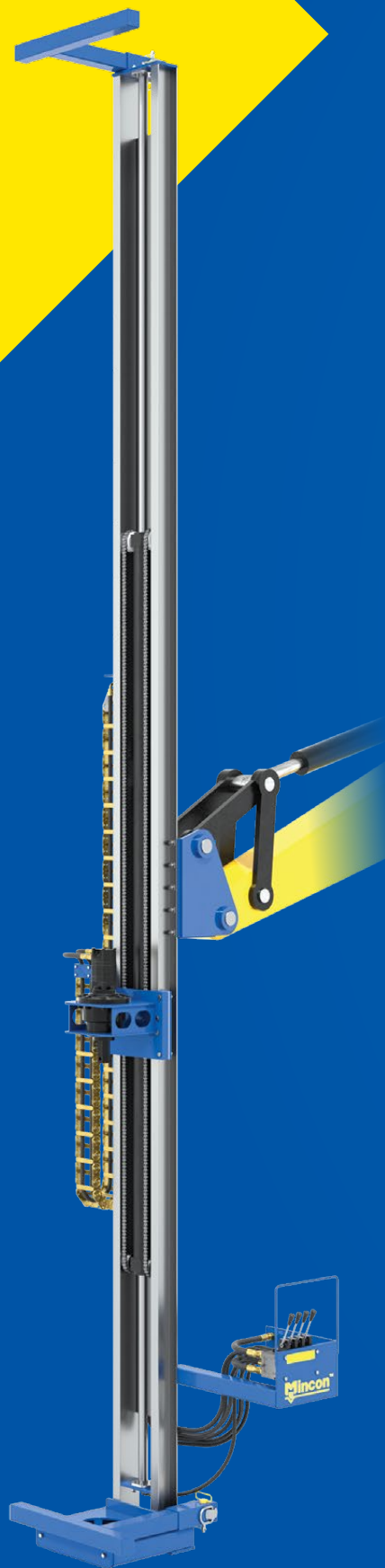
M120

DRILL MAST ATTACHMENT

The Rock Drill M120 Drill Mast Attachment for excavators is ideal for pre-drilling hard rock for dewatering, geotechnical and solar applications. Capable of drilling with augers, helical anchors, ground screws, DTH hammers and mud drilling setups the Rock Drill M120 Drill Mast Attachment can drill up to 200 ft for small bore applications, or to shallower depths for larger bore holes, i.e foundation and underpinning applications. For excavator attachment only.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	34 gal/min	128 L/min
Max Pullback / Pushdown	6 000 lb	2 722 kg
Dimensions		
Mast Height	23' 10"	7 247 mm
Mast Stroke	20'	6 100 mm
Width	60"	1 519 mm
Weight* (excl. hydraulic hoses)	2 236lb	1 014 kg
Attachment Type	Excavator Only	
Rotary Head Options		
Max Torque	5 100 ft-lb	6 915 Nm
Max Speed	100 rpm	
Speed Control	Variable	
*Depending on options.		



Want to learn more
about the M120?
Scan the QR code
to get in touch!

M112

DRILL MAST ATTACHMENT

The Rock Drill M112 Skid Steer Drill Mast Attachment is ideal for dewatering and solar applications. Capable of drilling with augers, helical anchors, ground screws, DTH hammers and mud drilling setups the Rock Drill M112 can drill over 200 ft for small bore applications, or to shallower depths for larger boreholes, i.e foundation and underpinning applications. Also available for excavator attachment.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	34 gal/min	128 L/min
Max Pullback / Pushdown	6 000 lb	2 722 kg
Dimensions		
Mast Height	15' 10"	4 816 mm
Mast Stroke	11' 10"	3 600 mm
Width	60"	1 519 mm
Weight* (excl. hydraulic hoses)	1 452 lb	650 kg
Attachment Type	Excavator / Skid Steer	
Rotary Head Options		
Max Torque	5 100 ft-lb	6 915 Nm
Max Speed		100 rpm
Speed Control		Variable
*Depending on options.		



Want to learn more
about the M112?
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to get in touch!

M207

DRILL MAST ATTACHMENT

The Rock Drill M207 uses 5 ft (2m) drill rods with the high torque JT200 Series drill heads for geothermal, micro piling and foundation applications. With setups for mud, air and geotechnical drilling the M207 is a powerful drill attachment for skid steers and excavators. A shorter mast version (4' 7" stroke) is available for low-headroom drill sites. Configurations are available for 18" OD boreholes with DTH hammers or augers.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	34 gal/min	128 L/min
Max Pullback / Pushdown	22 000 lb	9 979 kg
Dimensions		
Mast Height	11' 4"	3 358 mm
Mast Stroke	7' 10"	2 388 mm
Width	52"	1 321 mm
Weight* (excl. hydraulic hoses)	2 420 lb	1 110 kg
Attachment Type	Excavator / Skid Steer	
Rotary Head - JT200 Series		
Max Torque	10 595 lb-ft	14 230Nm
Max Speed	204 rpm	
Speed Control	Variable	
*Depending on options.		



Want to learn more about the M207? Scan the QR code to get in touch!

M106

SKID STEER DRILL ATTACHMENT

The M106 Skid Steer Drill Mast Attachment is ideal for dewatering and solar applications. Capable of drilling with augers, helical anchors, ground screws, DTH hammers and mud drilling setups the M106 can drill over 200 ft for small bore applications, or to shallower depths for larger boreholes, i.e foundation and underpinning applications. For skid steer or excavator attachment.

Specifications

Description	Imperial	Metric
Power & Hydraulics		
Max System Pressure	3 000 psi	206 bar
Max Flow Rate	34 gal/min	128 L/min
Max Pullback / Pushdown	6 000 lb	2 722 kg
Dimensions		
Mast Height	8.7'	2 662 mm
Mast Stroke	6'	1 829 mm
Width	60"	1 519 mm
Weight* (excl. hydraulic hoses)	725 lb	329 kg
Attachment Type	Excavator / Skid Steer	
Rotary Head Options		
Max Torque	5 100 ft-lb	6 915 Nm
Max Speed	100 rpm	
Speed Control	Variable	
*Depending on options.		



Want to learn more about the M106? Scan the QR code to get in touch!

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