

MTC Base Unit
MTC Bolter
MTC Telehandler
MTC Lift Truck

MTC Tow Vehicle
MTC Roller Change-Out Basket
MTC Basket Bolter

Brandt MTC Series



 **Brandt**



BRANDT MTC BASE UNIT

**MTC
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Maximum Versatility from the Ultimate Multi-Tasker

You shouldn't have to compromise to get the job done. And now you don't have to. Built with the quality and durability you'd expect from Brandt, the Multi-Tool Carrier (MTC) is a high capacity vehicle that stands up to whatever you put in its way. With its heavy duty, multifunctional chassis, the MTC consolidates several pieces of underground equipment into a single-unit solution: one strong and versatile platform designed to fit multiple hard-working tool attachments.

The ultimate multi-tasker, the Brandt MTC brings efficiency to any operation by streamlining parts inventories, simplifying training and maintenance procedures and improving operator safety.

Flexible Attachment Options

The MTC brings more versatility to underground mining operations than ever before. The heavy-duty base carrier unit is ready to support the Brandt Bolter, Basket Bolter and the Roller Change-Out Basket or to be configured as a rough terrain Lift Truck or Telehandler.

A common platform of uncommon value, the MTC has two mounting variations to accommodate Brandt attachments at the front and the side. The ample mounting area down the centreline allows front-pinning attachments to be extended or retracted. When working in tight areas requires greater flexibility, attachments can be mounted on the side of the MTC to adapt to various conditions.

This multifaceted base carrier is as flexible as it is functional because it can be totally customized in appearance, dimensions and even the placement of attachments. Ask us how the Brandt MTC can be configured to meet your unique requirements.

Designed from an Operator's POV

The side-entrance operator cab can be height adjusted from 72" to 84", depending on the attachment configuration and underground space constraints. At its tallest position, the ROPS/FOPS certified cab gives the operator superior visibility with 360-degree sightlines, while an adjustable, air ride seating and tilt/telescopic steering make for a more comfortable working compartment.

High Capacity to Do It or Move It

Whether used for bolting, moving equipment, lifting personnel or towing other vehicles, the 4-wheel drive Brandt MTC has enough muscle to get the job done. The MTC is powered by a CANMET Certified John Deere 4045 industrial diesel engine (85 hp-173hp) to meet the emission requirements of your mining operation. The system comes with a programmable idle setting for work mode and engine shut down system to protect both the engine and the hydrostatic transmission from overheating or loss of oil pressure.

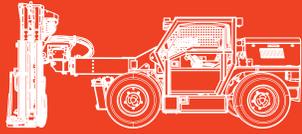
Safety is Important to Us

As you'd expect, operator safety was our top priority in designing the Brandt MTC. This begins with outfitting each unit with an ANSUL fire suppression system in case of emergency. The ROPS/FOPS certified operator compartment is also equipped with an operator door, seat belt and an optional camera system to reduce blind spots while maneuvering. In addition, the MTC includes general vehicle safety features such as a master disconnect switch plus secondary steering and braking system.

In addition, the MTC is a highly-visible vehicle with reliable, well-positioned LED lighting including overhead guard front and rear work lights, fender mounted lights, brake lights and amber flashing light, hood mount amber and blue strobe light.

Specifications

Engine:	John Deere 4045 (85hp-173hp) - 24V CanMET CSA M414.2-90; Certificate # 1289
Drivetrain:	4 wheel drive
Height:	72" or 84" depending on configuration
Width:	78"
Wheelbase:	100"
Weight:	16,000 lbs
O/A Length:	172"
Speed:	15 mph (24 km/h)
Turning radius:	205"
Grade ability:	30%



BRANDT MTC BOLTER

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Designed especially for underground operations, the Brandt MTC Bolter is a highly flexible single boom bolting machine capable of installing 6' and 8' bolts in a 9-foot area. Because the work clock doesn't stop ticking underground, the high-efficiency MTC Bolter is designed to auger, index and install at a cycle time as low as 90 seconds per bolt.

The MTC Bolter features a uniquely-designed traverse section. This greatly decreases the overall length of the vehicle for increased operator and machine safety while performing tramming and positioning activities. It also significantly improves operator visibility. Having a more centralized center of gravity results in superior vehicle handling compared to a conventional fixed boom installation. This is a huge advantage when traveling across rough terrain or when encountering off-camber situations.

The MTC Bolter's extensive boom movement stems from its 2-stage design, allowing for a maximum vertical reach of 18 feet up and a horizontal reach of 18 feet out from the front axle. The boom can be fully retracted for excellent maneuverability during travel. The mast, boasting a 180-degree rotation, enables a complete range of bolting capabilities while still giving the operator clear visibility of the bolt entering the hole.

Precision Movement and Measurement

The MTC Bolter is a sharp shooter when it comes to accurate indexing. That means operators no longer have to rely solely on eyesight or proxy to auger the hole, index the mast and line up the bolt chuck. We've now simplified the process, so that even when the centre-mounted boom is fully extended or bolts need to be positioned on the roof or wall, our adjustable, repeatable indexing system lines it up with precision. With its patent pending technology, the Bolter is proven to be just as precise on torque range, eliminating the guesswork and increasing both productivity and effectiveness by torquing bolts to the specified foot-pound force (ft-lbf) within 4% every time.

Ease of Operation

Controlled by two ergonomically-positioned joysticks, the MTC Bolter's separate driving and bolting functions are simple and safe to operate. The digital readout panel makes switching between these two tasks nearly effortless. Once the Bolter is in place and ready to work, auxiliary lighting ensures that the primary drill and bolt areas are well illuminated, allowing the operator to keep watch over what happens at the end of the boom.

Designed for easy maintenance, the Bolter has removable guides to make any necessary servicing safe and quick.

Bolt Magazine

The Bolt Magazine, compatible with 6' and 8' bolts, has automated bolt indexing and reliable socket loading to cut down cycle time and its simple, rugged design reduces maintenance downtime.

Chain Case

The Chain Case provides the bolter with the functionality to install an 8' bolt in a 9' area where available space is restricted. It has variable gear ratios that can adapt to different ground conditions. This allows for maximum efficiency and optimal productivity in most conditions.

Specifications

- Install 6' or 8' bolts in a 9-foot room height or in a 18-foot room height
- Proven accurate and repeatable indexing
- Proven accurate torque with +/- 4% accuracy
- Proven rotary actuator for precise mast rotation
- 180 degree mast rotation for wall bolting in either direction
- 2-stage boom design for extension and retraction during travel
- Common ORB and JIC fittings used throughout



BRANDT MTC TELEHANDLER

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Due to its small footprint and height, the Brandt MTC Telehandler grants itself access to areas of plants and underground mines where competitors cannot reach. It provides up to 15,000 lbs of lift when fully retracted and 7,000 lbs when the boom is extended to its full 96" stroke. A 30" free lift option can be included to provide lift for low back situations.

Employee safety and operating capacities were paramount when designing the MTC Telehandler. Fully certified to operate in underground mines, our MTC Telehandler's small footprint will reach new areas of your operations with excellent lifting capacities, eliminating the need to set up cranes or rigging for big lifts.

With the additional Tow Package option, materials can be loaded onto a trailer, pulled to location by the MTC Telehandler and off loaded using a single piece of equipment. This is very beneficial as the tasks of multiple pieces of equipment are replaced with a single MTC Telehandler, resulting in lower operating and capital costs.

Precise Control

The operator control package for the MTC Telehandler has been designed for operation with a single Joystick Controller. All lifting operations are configured to the electronic joystick, creating an ideal operating environment for underground mines, mill maintenance operations, and anywhere precise maneuvering is a necessity.

Faster, Safer Lifts

Brandt's MTC Telehandler is a dream for reaching difficult areas with minimal set up time. The small footprint provides excellent maneuverability, and increased stability is obtained with a rear axle stabilizer. The auto-levelling carriage automatically maintains a safe operating angle on uneven terrain at any boom angle.



Free Lift Capability

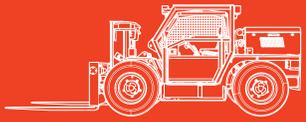
The MTC Telehandler provides a free lift capacity that allows for up to 30" of lift when the boom is already in position. This creates better visibility and more precise positioning of your loads.

Independent, Hydraulic Fork Positioning

Position forks quicker, easier, and safely with the optional Independent Hydraulic Fork Positioner. The carriage on the MTC Telehandler has been designed to house two hydraulic pistons that position forks from the comfort of the operator seat, eliminating the need to manually position forks.

Specifications

- 15,000 lbs @ 24" load centre - 30" of boom stroke
- 8,000 lbs @ 24" load centre - 84" of boom stroke
- 7,000 lbs @ 24" load centre - 96" of boom stroke
- Lift Height: 180"
- Fork Length: 2.5" x 5" x 60" standard taper
- Carriage: 75" wide pin style
- Fork Spread: 72" open to 3" closed
- Fork Positioner: Independent Hydraulic Actuators
- Side Shift: Full simultaneous side shift
- Weight: 28,500 lbs



BRANDT MTC LIFT TRUCK

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Most industrial Lift Trucks are not built to withstand tough mining conditions, not to mention fit into confined spaces. But the heavy duty Brandt MTC Lift Truck is a game changer. When you want higher-rated capacity and a higher lift, rely on this compact and durable model, which was uniquely engineered for underground work.

Available in 10,000 lbs (Brandt MTC 100), 12,500 lbs (Brandt MTC 125) and 15,000 lbs (Brandt MTC 150) capacities, the MTC Lift Truck has a 3-stage mast, and offers a lift height up to 120" (10 feet) at work and a lowered height of 75" while driving. In addition, the Brandt MTC Lift Truck offers 37" of free lift, allowing for adequate lifting in low back situations. Easy to operate with a single joystick and modular switch control package, the MTC Lift Truck features a fork spread that widens to 72", as well as a hydraulically-actuated fork positioner and full simultaneous side shift.

Maximizing User Visibility

The Brandt MTC Lift Truck utilizes an open frame design to provide excellent sightlines. The available sightlines allow for safer movement of materials, which ensures the safety of both employees and equipment. Operators are able to manage loads quicker, easier, and with more confidence.

Free Lift Maximized

Brandt's MTC Lift Truck allows for 37" of Free Lift. The Free Lift option allows for increased operational ability in low back situations. This allows for maximum efficiency and optimal productivity in most conditions.

Exceptional Gradeability

The versatility of the carrier lends itself exceptionally to the Fork Truck attachments. The stabilizing design allows for higher speeds on steeper grades than many standard Fork Lifts.

Specifications

- Mast: 3 Stage, 37" Free Lift
- Capacity: 15,000 lbs @ 24" load center
- Lift Height: 120" (10ft)
- Lowered Height: 75" (while driving)
- Fork Length: 2.25" x 4" x 72" full taper/half taper
- Carriage: 75" wide shaft type
- Fork Spread: 72" open to 3" closed
- Fork Positioner: Hydraulically actuated
- Side Shift: Full simultaneous side shift
- Control Package: Modular switch package; clearly labeled for lift truck functions; includes Plus1 program; common for all lift truck options



BRANDT MTC TOW VEHICLE

Mount a pintle-style hitch to any Brandt unit that utilizes the MTC's common chassis, and you've got the Tow Vehicle, a versatile workhorse with the ability to tow high-capacity skids or trailers. The Tow Vehicle, complete with a removable pintle hitch and ball combo rated for 50 tons, has an electric brake controller (with provisions in place for trailer braking), two rear cameras (one on the pintle hitch, the other for rear visibility) and is ready to tow up to 80,000 lbs depending on road conditions, grade and trailer configurations.

OTHER ATTACHMENTS

BRANDT MTC

ROLLER CHANGE-OUT BASKET

This Roller Change Out Basket meets all OH&S and mining standards and can be configured to fit customers' specific needs. Ideal for conducting maintenance work, the extendable platform is outfitted with guard rails, harness points for personal safety equipment and fixed work and transport lighting for great visibility.

Small but rugged, the MTC Roller Change Out Basket is designed for a 60" maximum conveyor/belt width, maximum 400 lbs extending floor capacity and maximum 800 lbs forklift capacity.



BRANDT MTC

BASKET BOLTER

Unlike our production bolter, the MTC Basket Bolter is designed specifically for hanging structures on the mine ceiling. This attachment allows personnel to be lifted to the location of bolt installation while hanging hardware. A drill and bolting mast is located on the side of the basket and the operator has the ability to control both basket and drill/bolt functions while in the basket.

Pinned to the carrier plate of the 12,500 lb capacity Brandt Lift Truck, the Basket Bolter can be quickly detached in 15 minutes, allowing for closer proximity in constricted areas. One person can operate the unit during normal operation, but when in use, the Basket Bolter becomes a two-person work station, with controls inside the basket for a safer and more efficient operation.

Once in position, drilling and bolting can be accomplished from within the operator's basket. The drill features a swing-away drill guide/bushing for bolt insertion, a tool for installing Quick Clip and mechanical valving for operator-managed drill controls including drill feed, speed, rotation and tilt.



For more information on the MTC and other mining products, visit brandt.ca/Industry/Mining

We are Brandt.

Grown from the seeds of an entrepreneurial spirit over 80 years ago, Brandt has a long history of providing powerful value to our customers through a solid commitment to our core values: Quality, Innovation, Commitment and Customer Focus. Today, Brandt is a growing, dynamic and diverse group of companies headquartered in Regina, Saskatchewan. Brandt employs more than 1800 people across Canada, the US and Europe, servicing markets in over 20 countries and six continents. While engineering and manufacturing equipment for the agricultural, rail, mining, construction, and tube and pipe industries, Brandt also operates the world's largest privately held John Deere construction and forestry dealer.

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