

Cold Milling Machine

BM1000/30 BM1200/30 BM1300/30



BM1000/30

Milling Depth (in)	1.6	3.2	4.7	6.3	9.4	12.6
Rate of advance (ft/min)	59 - 78	39 - 52	30 - 39	21 - 30	11 - 16	7 - 10
Theoretical Area Output (ft ² /h)	11840 - 15610	7535 - 10760	5920 - 7535	4305 - 5920	2150 - 3230	1290 - 2150
Theoretical Milling Volume (yd ³ /h)	58 - 76	73 - 105	86 - 110	84 - 115	63 - 94	51 - 84

BM1200/30

Milling Depth (in)	1.6	3.2	4.7	6.3	9.4	12.6
Rate of advance (ft/min)	47 - 67	33 - 42	25 - 33	17 - 25	9 - 14	3 - 9
Theoretical Area Output (ft ² /h)	11720 - 15610	7535 - 10530	5920 - 7535	4305 - 5920	2150 - 3230	900 - 2150
Theoretical Milling Volume (yd ³ /h)	56 - 76	73 - 102	86 - 110	84 - 115	63 - 94	51 - 84

BM1300/30

Milling Depth (in)	1.6	3.2	4.7	6.3	9.4	12.6
Rate of advance (ft/min)	43 - 62	30 - 39	23 - 30	16 - 23	8 - 13	7 - 10
Theoretical Area Output (ft ² /h)	10760 - 15610	7535 - 10225	5920 - 7535	4305 - 5920	2150 - 3230	860 - 2150
Theoretical Milling Volume (yd ³ /h)	58 - 76	73 - 99	86 - 110	84 - 115	63 - 94	34 - 84

Note: The following factors influence performance on site: milling material type, transport efficiency, traffic hold-ups, road ironware such as manhole covers, hydrants, etc.

BM1000/30 BM1200/30 BM1300/30

Easy access to engine compartment through wide opening hood, held by gas struts.

High productivity with transverse engine and mechanical direct drive (no wear-prone gear system).

Weather protection with optional canopy with front and rear screens. Can be extended at operator's side.

Easy cleaning of the large radiator through wide access door.

Vandal protected storage of tools and working headlights in lockable stowage compartments.



Superior mobility with four fully-steerable crawler tracks, controllable from the ground if necessary.



Automatic locking scraper door with easy-change hardened segments.

Optimum traction with perfect weight distribution.

Ergonomic work station, comfortable, fatigue-free working while seated, with a clear view to the milling edge, construction site and truck being loaded.

12.6-inch standard milling depth.

Smooth, even running with central milling unit and center of gravity above milling drum.

New Milling Technology - Combining Power and Versatility

Greater versatility and performance

Using a modular design, these powerful BOMAG front loading cold planers in the 300 hp class are available with working widths of 39.4, 47.2 and 51.1 inches. Based on intelligent and compact design principles, these models are suitable for selective removal of highway pavement layers, especially under confined site conditions, and also for use on streets, secondary roads and parking lots.

For pavement repairs to streets and secondary roads, damaged layers may be removed selectively. Highly visible marks on the side plates make accurate incutting an easy task.

On trench work, wearing, binder and bearing courses can be removed in a single process.

Optimum weight distribution provides excellent traction and directional stability.

BOMAG milling machines in this class are capable of planing to 12.6 inches in one pass. Special edge cutters provide a straight, clean cut edge. The asymmetrical design of the right chassis side means the machine remains fully steerable, even on deep trench work.

On bicycle and footpaths with thin layers, the large crawler tracks and low surface contact pressure prevent the machine from sinking into the soft material.

Superior central rotor design

The outstanding maneuverability of these planers is achieved by the four fully steerable

crawler tracks, which are not obstructed by the central milling housing.

These provide reliable tracking on tight cul-des-acs and curves without skewing the milling housing or damaging curbs. This technology can save manual rework and cuts costs!

Engine power matches the milling output, because the transverse engine drives the drum directly via power belts. BOMAG's elimination of high wear, power consuming gears ensures high efficiency.

Because the center of gravity is above the milling drum, weight is distributed evenly for optimum traction and smooth travel.

Simple, economical transport with standard folding conveyor belt. Fold-down canopy guards against unauthorized access.

Long reach for large trucks, adjustable height, wide slewing angle and variable belt speed: that's flexibility!

Maintenance friendly combination of lubrication and service points.

Cut costs with curb-friendly exchangeable crawler pads.

Maintenance free, easy-change tool holders with no screws or threads.



Easy one man operation with clear vision when seated.

Innovative, Operator Friendly, Economical

High loading performance

The slewing, variable-speed, height-adjustable conveyor belt excels on large scale construction projects.

Flexibility cuts costs

For quick transport or where pulverized material is left on site, the conveyor can be easily folded away. This flexibility cuts costs and is standard on all models. The optional canopy can be also be folded in to reduce transport height.

Perfect ergonomics, visibility and working environment

The driver sits away from the dust, noise and vibration – high-up but in the middle of things, just like on larger machines - with an excellent view over the site, milling edge and the truck

being loaded. Work can be carried out efficiently and safely, even under confined site conditions. A sliding operator's seat, a vibration insulated step and a comfortable arm rest in which the most important functions are integrated, enable the operator to follow winding country roads effortlessly and precisely.

Moveable controls

These models are designed for operation by one person. Under difficult conditions the milling unit, steering and height control can be controlled from the ground via optional control panels.

Secure project planning

The high reliability of BOMAG cold planers allows milling, sweeping and paving to take place in close sequence, often in the same day.



Accurate working without skewing on tight bends with four fully steerable crawler tracks.



Flexible operation from the ground if needed.



Even in tight spots: an excellent view to the milling edge and over the construction site.



Clearly visible marks for precise incutting. Protected, but still accessible: the cable sensor.

Precision Made Easy

BOMAG milling depth control

The two side plates serve as safety covers and measure the height using cable sensors. This allows milling at two heights.

Switching on the "Intelplaner" display allows use of the cross-slope sensor to mill to height and angle.

Solutions on site

The four-track steering system allows work close to walls and quick by-passing of obstructions. Choose from front or rear, automatic centering, coordinated steering and crabwalk – as needed on site.

Simple idea – big benefit

The multiple adjustable mechanical track indication copies given site contours.



Quick, accurate incutting on secondary road pavement repairs helped by marks on the side plates.

Heavy duty performance – low wear!

The milled material is transferred by augurs and keeps milling box wear low. The exchangeable ejector plates transfer the material to the high capacity conveyor belts without loss of output. Dust emission is prevented by flexible seals.

Protection of components by design

The hydraulic preloaded hold-down prevents the formation of lumps. Milled material has a smaller particle size, will not damage the belts and can be readily recycled. The operator stays in control by checking the hold-down.



Large crawler tracks prevent sinking on bike or foot paths.



Ready information about machine status, "Intelplaner" automatic milling depth control.



Fatigue-free working with clear vision.



Simple lateral approach to curbs or walls and by-passing of obstructions.



Easy to copy given contours.



Easy access to engine and service points.



High flexibility – travels on any low loader.



Centrally located fuel filler neck.



Durability with long body design.



Fast access to milling tools and water bar.

Simple Service - Low Costs

■ Tool change

The wide-opening door locks in place and gives quick access to the tools. Guides ensure automatic locking when closing. The hardened scraper segments can be quickly changed by hand when damaged.

■ Changeable holder system

The basic holders, which are welded in a spiral, have a large contact area, so that the weld seams can transfer forces. The maintenance free holders can be easily replaced and do not require screws and threads. A slotted cylindrical sleeve ensures secure fit and the taper transfers the cutting forces. The extra long, cylindrical wear body of the holder ensures a long life.

■ Faster Maintenance

The wide-opening gas strut-supported engine hood gives easy access to service

points. Maintenance friendly lubrication and service points are arranged behind lateral flaps and doors.

The large stowage compartments can be used for the safe storage of tools, control display, working head lights and mirrors.

The fuel filler cap is easily accessible from the operator's platform for safety during refuelling and maintenance.

The central arrangement of the filler neck means the tanker is always in the right position for refuelling.



Milling, sweeping and paving in quick succession.



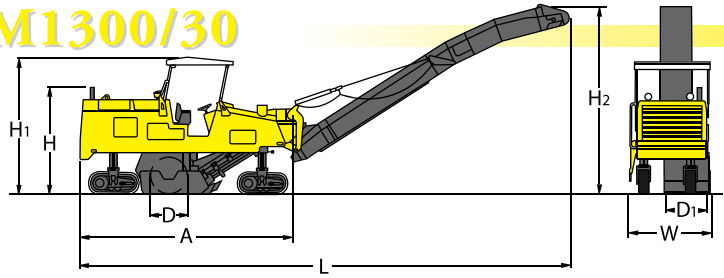
Precise, clean cutting and unrestricted steerability, even to a depth of 12.6 inches.

Technical Specifications

BM1000/30 BM1200/30 BM1300/30

Shipping dimensions in inches (mm) L x W x H

BM1000/30	388 x 82 x 108	(9860 x 2100 x 2750)
BM1200/30	388 x 87 x 108	(9860 x 2220 x 2750)
BM1300/30	388 x 87 x 108	(9860 x 2220 x 2750)



Standard Equipment

- Four-track steering: front or rear, front and rear crabwalk
- Two working speeds with automatic power regulator to optimize travel speed
- Hydraulically driven high pressure wash system
- Differential lock
- Automatic milling depth control
- "INTEL-PLANER" with two cable sensors and digital display
- Transverse inclination control with transverse inclination sensors
- Foldable discharge conveyor belt
- Display screen for showing speed, operating hours, diesel level, hydraulic oil temperature, engine oil pressure and temperature
- Pressure gauge for system pressures in the hydraulic system
- Operator console to control machine from the ground
- Lockable, vandal-proof and sound insulated engine hood
- Pressurized water spray with 2 spray pumps
- 8 removable headlights
- Adjustable water spraying system
- Lockable tool box inc. tool set for servicing and maintenance work
- Back-up alarm
- Flashing beacon

Optional Equipment

- Hydraulically operated canopy with windscreens and lateral protection
- Hydraulically driven water pump for refilling
- Height sensor with electromechanical sensor
- Height sensor with ultrasound sensor for ground or cable sensing
- Electrical diesel pump for fuel refilling

Dimensions in inches (mm)

	A	D	D1	H	H1	H2	L	W
BM1000/30	213.2 (5415)	38.6 (980)	39.6 (1000)	108.3 (2750)	137.4 (3490)	190.2 (4830)	521.7 (13250)	82 (2100)
BM1200/30	213.2 (5415)	38.6 (980)	47.2 (1200)	108.3 (2750)	137.4 (3490)	190.2 (4830)	521.7 (13250)	87 (2220)
BM1300/30	213.2 (5415)	38.6 (980)	51.2 (1300)	108.3 (2750)	137.4 (3490)	190.2 (4830)	521.7 (13250)	87 (2220)

Technical data

	BM1000/30	BM1200/30	BM1300/30
Rotary grinder			
Milling width inches (mm)	39.6 (1000)	47.2 (1200)	51.2 (1300)
Milling depth inches (mm)	0-12.6 (0-320)	0-12.6 (0-320)	0-12.6 (0-320)
Milling line distance inches (mm)	.6 (15)	.6 (15)	.6 (15)
Diameter across cutting lip inches (mm)	38.6 (980)	38.6 (980)	38.6 (980)
Number of milling cutters.	104	116	124
Output per cutter Hp (kW)	2.64 (1.97)	2.37 (1.77)	2.24 (1.67)
Speed rpm	121.4	121.4	121.4

Engine

	BM1000/30	BM1200/30	BM1300/30
Manufacturer / Type	CAT C7	CAT C7	CAT C7
Output J1349 Hp (kW)	275 (205)	275 (205)	275 (205)
Speed rpm	2,200	2,200	2,200
Cylinder number	6	6	6
Piston capacity in ³	439	439	439
Cooling	liquid-cooled	liquid-cooled	liquid-cooled

Weights

	BM1000/30	BM1200/30	BM1300/30
Basic weight lbs (kg)	38912 (17650)	39573 (17950)	39904 (18100)
Operating weight lbs (kg)	40675 (18450)	41337 (18750)	41667 (18900)
Operating weight w/ full fuel tank . lbs (kg)	42328 (19200)	42990 (19500)	43321 (19650)

Drive features

	BM1000/30	BM1200/30	BM1300/30
Working speed fpm (m/min)	0-92 (0-28)	0-92 (0-28)	0-92 (0-28)
Transport speed mph (kmph)	0-3.7 (0-6)	0-3.7 (0-6)	0-3.7 (0-6)
Theoretical gradeability %	91	91	91
Inside turning radius ft (m)	9 (2.80)	9 (2.80)	9 (2.80)
Track systems L x W x H inches (mm)	49 x 10 x 22	49 x 10 x 22	49 x 10 x 22
	(1265 x 260 x 570)	(1265 x 260 x 570)	(1265 x 260 x 570)

Filling capacities

	BM1000/30	BM1200/30	BM1300/30
Diesel gal (l)	132 (500)	132 (500)	132 (500)
Hydraulic oil gal (l)	33 (125)	33 (125)	33 (125)
Water gal (l)	264 (1000)	264 (1000)	264 (1000)

Electrical system

	BM1000/30	BM1200/30	BM1300/30
Voltage V	24	24	24
Battery capacity Ah	2 x 130	2 x 130	2 x 130
Generator A	55	55	55

Conveyor Belts

	BM1000/30	BM1200/30	BM1300/30
Feeding conveyor belt w x l inches (mm)	24 x 86 (600 x 2180)	24 x 86 (600 x 2180)	24 x 86 (600 x 2180)
Discharge conveyor belt w x l inches (mm)	24 x 291 (600 x 7400)	24 x 291 (600 x 7400)	24 x 291 (600 x 7400)

We reserve the right to make technical changes. Machines may be illustrated with optional accessories.