

BOMAG BM 500/15 and BM 600/15 cold planers. Productivity and comfort re-defined.



BOMAG cold planers BM 500/15 and BM 600/15.

BOMAG has re-defined productivity and comfort. A planer which has everything a compact unit needs. BOMAG's new compact planers have all the hallmarks of a genuine BOMAG machine: new technology, durability and long service life, the best planing performance and intelligent fine detail. Plus there's great handling and operator comfort and the simplest of maintenance. All this for the fastest return on your investment.

Models BM 500/15 and BM 600/15, are the first compact planers of their type, with a host of new planing technologies, based on new rotor geometry, with operator comfort beyond compare. A fully vibration-insulated work station that for the first time allows working from an ergonomic seated position.

Success factors:

	BM 500/15	BM 600/15
Working width:	300-500 mm	300-600 mm
Output:	92 kW/125 PS	92 kW/125 PS
Weight:	7.600 kg	7.700 kg
Milling depth:	0-210 mm	0-210 mm
Optional quick-change milling drums		



The quietest planer on the market!

A planer needs to work and work... and work ...

... and for this sometimes the wheel needs to be reinvented! BOMAG's new milling drums are setting the pace in the modern planer world. After three years research BOMAG now offers a wide range of quick-change milling drums using a faster replacement system, innovative rotor geometry for precise milling results, and new cutter supports for longer service life.

Job-specific drums.

A planer needs to perform on as many different applications and working widths as possible.

Therefore, BOMAG offers a choice of quick-change milling drums for BOMAG compact planers to provide the right working width and spacing for every construction site.

For repair work, the removal of asphalt strips, fine milling work or trenches, cutting joints or milling close to manhole covers and kerbs, BOMAG now has the most innovative all-rounders in the compact class.

To match the application, optimum line spacing and the best milling speed can be selected.

- Deep cutting depth at low speeds and POWER DRUM
- Surface work at medium speeds with 15 mm spacing
- Perfect surfaces at high speeds with a fine milling drum.



Quick-change Milling Drum

Cutting width: 300 mm
Line spacing: 14 mm
Cutting depth: 0 - 160 mm



Quick-change Milling Drum

Cutting width: 400 mm
Line spacing: 14 mm
Cutting depth: 0 - 160 mm



Quick-change Milling Drum

Cutting width: 500 mm
Line spacing: 15 mm
Cutting depth: 0-210 mm



Quick-change Milling Drum

Cutting width: 600 mm
Line spacing: 15 mm
Cutting depth: 0-210 mm



Quick-change POWER DRUM

Cutting width: 500 mm
Line spacing: 20 mm
Cutting depth: 0-210 mm



Quick-change POWER DRUM

Cutting width: 600 mm
Line spacing: 20 mm
Cutting depth: 0-210 mm



Quick-change Fine Milling Drum

Cutting width: 500 mm
Line spacing: 6 mm
Cutting depth: 0-50 mm



Quick-change Fine Milling Drum

Cutting width: 600 mm
Line spacing: 6 mm
Cutting depth: 0-50 mm

Quick trouble-free drum change.

To maintain the highest output on site, a fast drum changeover process is essential.

With the BOMAG compact planers this work have been completely simplified. The planer is designed so that re-assembly errors are eliminated. In this case, for instance, hydraulic hoses and cables are routed to the rear over the hinge of the milling housing door. No dismantling, extra work, or tricky procedures!

Clever detail simplifies changing the drum. Guides on the gearbox allow quick location of drum positions.

Then, a centring pin protects the thread of the milling housing door from damage.



The centring pin protects the thread of the milling housing door.



Fold the wheel forwards ...



... open the side door ...



...and the drum is easily accessed.

BOMAG – precision performer.

A planer needs complete accuracy. The milling rotor features new geometry. Teeth are optimally arranged for uniform, low vibration cutting. Due to its shell thickness, the rotor behaves like a flywheel, transferring far fewer vibrations to the machine than a conventional drum. This increases machine service life significantly.

The new design of the edge cutter generates a smooth edge with minimum damage. As a result, ancillary work and costs to the contractor are reduced.

Higher availability.

New diagonal cutters protect the rotor when driving around bends and prevent abrasion to the bracket at the edges. Re-welding is no longer necessary, so this means less downtime and lower repair bills.

Cutter supports specially developed by BOMAG are mounted in milled pockets enabling them to transfer power better, giving longer service life than standard supports due to their precise positioning. These cutters can be knocked out from the rear quickly and easily. This boosts machine availability and reduces unnecessary downtime – more time to earn money planing.



Extra rotor shell thickness for longer life.



The special geometry of the edge cutter gives a smooth edge. Diagonal cutters protect the rotor around bends.



High quality production allows precise positioning.



Ultimate easy access for servicing and simple, fast knocking out of cutters from the rear speeds up maintenance.

Close control.

A planer needs to mill quickly without over-stressing components and without loss of accuracy. The best way to do this is by using variable settings and speeds, and an easily read display showing the exact depth of milling.

Variable cutting speeds and automatic maximisation of the planing rate.

The BOMAG compact planers have three variable cutting or milling speeds, which are easily set using a switch on the control panel. This allows the best speed to be selected for the job in order to give

best surface quality. This also reduces wear on the rotors.

At the same time, the forward speed is automatically maximised, meaning the milling machine moves in relation to the selected cutting speed and planing output.

The advantage is clear: motor output is optimised and components are not overloaded.

Depth control.

At the same time, a wear-resistant, digital display shows the milling depth. There is also a calibration button below the display to the left and right to set the reading back to zero.

The height can be proportionally adjusted and controlled using the two levers below the digital display. In addition, rapid traverse is available for greater distances and exact positioning of the milling depth.

Speed and precision – increasing profitability on site.



Manually adjustable – the best cutting speed for any application.



The digital milling depth display and the switch for the travel speed are in the operator's direct line of vision.

Water spray.

Easy water spray control from the central control panel. Keeps the cutter cool during planing to boost service life.

The water system is controlled by two switches. With the left-hand switch automatic water-saving is activated: water is only used when the machine is actually planing.

The second switch to the right controls the spray quantity and ensures that the right amount of water is always available. Unnecessary water consumption is prevented. The result: longer uninterrupted operation on site, and less refilling.



Spraying can be controlled easily using two control switches.



The spray bar is easily accessed and ...



... can be removed without tools ...



... for fast servicing.

Servicing the water spray bar is also quick and simple. The easy-access spray bar can be removed and serviced without tools. Lower service demands ensure less wear on the cutters.

A clean solution.

The best planers leave clean tracks on site – it's not just the surface which needs to be perfect. At the same time, there must be no material build-up and planings that mean manual reworking. This wastes time and can be avoided.



The straight side plate is durable and robust.

Side plates to catch everything.

The special design of the gearbox allows the use of a straight and very robust side plate. The straight shape prevents planed material build-up next to the rotor – saving time and extra labour.

Retainers make the difference.

The retainer has the same durable and proven design used on our large planers. In addition to compacting, they also have a lifting and locking function, plus a float position.

The two solid guides can withstand impacts without costly repair bills.

And on the solid hardened metal shoes, there is a high visibility milling edge indicator that helps the operator position the unit accurately.



Accurate positioning with the milling edge indicator on the retainer.



Hard-wearing metal shoes – for tough applications.



Adjustment and control from the driver's seat.



The split design scraper door can also be controlled from the panel.

The scraper door; also available in optional split-design.

The scraper door also has a floating, lifting, locking and compaction function. The compaction function can be conveniently adjusted from the driver's seat; the contact pressure can also be read from there. To make different planing widths easy to use a split design scraper door can also be fitted (optional).

Pure precision – the automatic levelling feature.

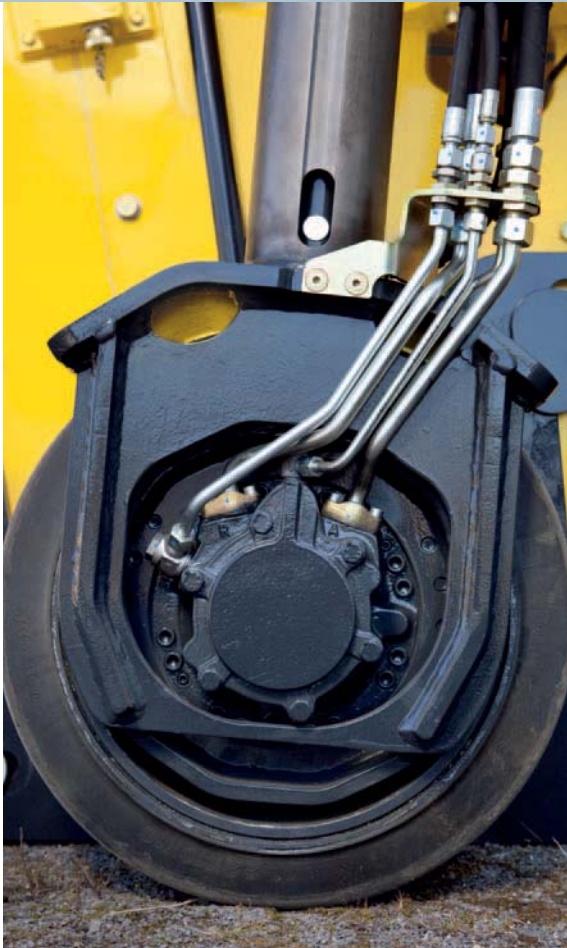
Levelling with a rope sensor on the right side plate makes planing easier and faster. With another rope sensor on the left side plate and the cross-slope controller, these compact planers are on par with heavier duty machines. The self-explanatory display shows both the milling depth and the slope angle. The sensors can also be easily switched during operations. In the process, the pre-selected settings are retained.



Optional – the split design scraper door.



Clear and easy to understand.



Hydraulics located close within the gear housing.



Extra ground clearance with optimised gear housing.

Extra side clearance ensures less rework.

Efficient work close to obstacles, such as manhole covers, kerbs, lamp posts or walls is essential for a mobile and flexible compact planer. Every centimetre counts and re-work such as manual attention to edges is extremely costly.

This is why hydraulic hoses have been installed flat and abrasion-free within the contours of the BOMAG machines.

The optimised gear housing provides high ground clearance for work close up to the kerb. And that is one or two centimetres less manual work than usual!



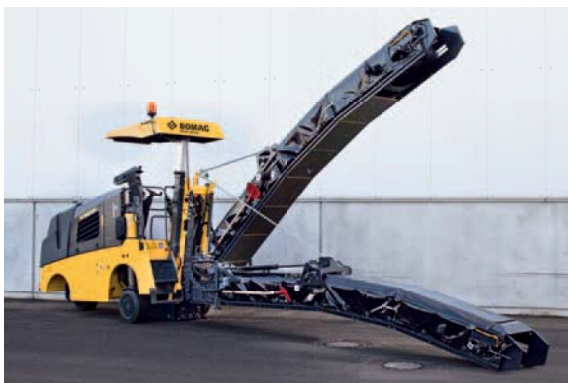
Precision work close to walls?
No problem here.

Loading planed material quickly.

Planers need to be able to load materials quickly regardless of how tall or low a truck is, whether it is directly behind the milling machine or to the right or left. And in tight spaces the loading belt needs to be disconnected and reconnected quickly. Performance and speed are key.



Safe, simple attachment of the chain – single-handed!



Straight from the upper to the lowest position with no rehanging of the chain – and all from a relaxed seated position.



No control cylinder to affect the rear of the planer.

The compact planers have a high power conveyor belt that can swivel left to right. Planings are collected safely and without loss and conveyed to the discharger by the conveyor belt. The belt speed can be adjusted for full and even loading of the largest trucks without difficulty. This is important as changing a truck slows down work and adds additional costs.

High speed adjustment.

The conveyor belt can be disconnected and reconnected quickly in confined areas. This is a special feature on the planers – and can be performed single-handed in two to three minutes.

The innovative design of the control cylinder on the conveyor belt means only very light components need to be lifted manually and does not affect the rear of the milling machine.

The third advantage of the locking cylinder: The entire belt can be moved from the upper position to the lowest position in one go. The chains do not need to be rehanged as on standard planers.

Speed is the winning factor: the conveyor belt can be reconnected in record time.

The first compact planer fully focused on the operator.



The 45 degree swivel seat which gives a clear view to the loading truck and edge.



All functions are reached from a seated position.



Self-explanatory operation. No problem!

On BOMAG's compact models the operator can remain seated – conveniently, comfortably, safely and with no health risks due to posture, or long-term stresses caused by vibration. This is because the workplace, including all operating controls, is fully insulated from vibration.

All functions are reached from the seating position and the 45 degree swivel seat provides an optimum view to the loading truck on one side and the edge on the other.

An experienced operator can work with the machine after just 5 minutes instruction with an operating concept that is easy to understand and self-explanatory. And the user-friendly control panel contains comprehensive operating aids.

These include automatic functions, such as

- the water-saving mode
- the load limit control and
- traction control.

The driver can concentrate totally on the job the whole time without fatigue. Simple operation cuts out operating errors, for better quality and speed of work.

Active BOMAG operator protection increases planing performance – clever technology makes it possible.

BOMAG's new generation of compact planers meets the specifications of the German employers' liability insurance association in terms of lower trigger points for LPA sound pressure level at the driver's ear. This is a quantum leap in operator safety. Twenty BOMAG compact planers generate less noise pollution than one standard compact planer!

To achieve these new safety standards the engine is fitted with vibration-reducing balancer shafts and is isolated from the frame by the engine mounts. This greatly reduces noise and vibration from the frame, thus increasing machine service life. Next the operator workplace is protected from noise by special insulation. Cooling air and exhaust fumes are vented to the left hand side, away from the operator.

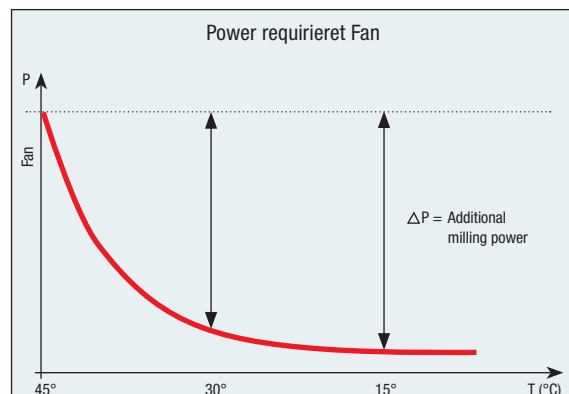
Finally, a controlled fan is used. This ensures that these BOMAG planers can consistently deliver top performance at an ambient temperature of 45 °C. If the ambient temperature is lower or the planer needs less cooling because of idling periods, noise levels will decrease exponentially. Also, diesel consumption is lower, or increased planing output is available.



Ear protection is no longer mandatory.



Sound insulation and intelligent air duct.



Operating costs are cut and performance is boosted.



The large, optional weather protection roof is height adjusted from the seated position with no interruption to work.



And the roof can be easily shifted laterally, ideal for confined site conditions.



24 V sockets for headlights and 12 V connections for the cool bag.

Always at the ready ...

The large, optional weather protection roof ensures that the machine and operator are always ready for work. It can be shifted easily from a seated position, and height can be adjusted without interruption to work. So, the roof protects the operator, and brings maximum flexibility even under the most confined site conditions.

For night work, the planer continues to show its flexibility. Ample 24 V sockets for additional headlights means the work area site is well lit.

... we've forgotten nothing!

An additional 12 V connection for the driver, e.g. for a mobile phone or cool bag.



Storage for the operator's personal items ...

Generous well thought out storage spaces and facilities for drinks, manuals and much more including the heavy toolbox and cutter bin located near ground level. If more space is needed there is another large storage compartment above the engine compartment.

Higher comfort and a clear workplace: the well thought out health and safety approach for the operator.



... and ground level storage for tools and the cutter bin.

Service and maintenance: plain easy.

These BOMAG compact planers also feature lower servicing and maintenance due to smart fine-details and the EasyService concept.

With a large, wide opening engine hood, all maintenance points on the compact planer are easily accessed on the right side of the machine. Daily maintenance is lightening fast and easy with the EasyService concept which extends efficient service life.

The operator can see the hydraulic oil level as he climbs the steps to the operator's platform. The indicator is also protected from damage by the machine's contours.

The air intake for the engine enters from above, ensuring that only the cleanest air is used. This provides long maintenance intervals for the cooler and air filter. The water filler can be accessed from both sides of the machine increasing flexibility on site.

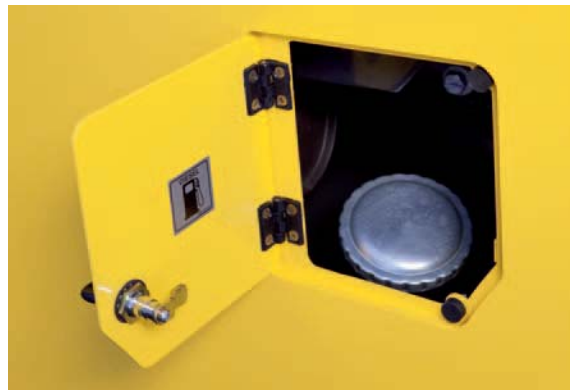
Refuelling and loading – also not a problem.

On these models the high quality, rust-protected diesel tank is mounted on anti-vibration bearings separate from the frame. This means no more rust and cracks in the tank.

As planers are usually reverse loaded for transport, BOMAG has mounted the fuel filler neck on the left hand side. So, at the filling station the opening is on the same side as the truck's.



All maintenance points are easily accessed through the wide opening engine hood on one side.



The planer fuel filler is located on the same side as the truck's filler. No inconvenient manoeuvres at the fuel station again.

Users throughout the world trust the BOMAG name.

The company has been part of the FAYAT Group since 2005. BOMAG has six branches in Germany, eleven independent subsidiary companies and four production units across the globe. More than 500 dealers in over 120 countries provide global distribution and service for BOMAG products.

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