

PURE PERFORMANCE.

THE COLD PLANERS IN THE COMPACT CLASS:
BM 1000/35-2, BM 1200/35-2, BM 1300/35-2.



MILLIONS OF KILOMETRES BEAR OUR SIGNATURE.

You build the finest roads so we can all make the quickest progress. And to ensure your rapid progress, we build the best machines. As a member of the leading international FAYAT group, we supply machines for all areas of road construction: from soil compactors to cold planers and recyclers, and asphalt rollers to pavers. For over 60 years, the history of our company has been synonymous with the history of road construction.

Our cold planers embody BOMAG's successful design philosophy: high-quality materials for maximum reliability, powerful yet economical drive systems for greater efficiency

and innovative ideas with real practical benefits. The unique ION DUST SHIELD, which protects against fine dust, is a good example of this philosophy.

We owe our innovative strength to our more than 2,300 employees worldwide, their commitment, and their experience. With a global network of experts and our partners in over 120 countries, we support you comprehensively, from the configuration of the machines to providing solutions for the most challenging of tasks. Success comes from teamwork!





**WIDE RANGE.
FOR EVERY WORKING WIDTH.**



**BM 500/15-2
BM 600/15-2**

BM 1000/20

**BM 1000/35-2
BM 1200/35-2
BM 1300/35-2**

**BM 1000/30
BM 1200/30
BM 1300/30**

BOMAG offers a wide range of powerful and efficient cold planers. From the compact machine with a working width of 500 mm to the 780 HP large planer with a working width of 2,500 mm. The latest generation of compact planers, BM/35-2, with a milling width of 1,000 to 1,300 mm, is perfectly suited for a large number of different requirements. And technologically ground-breaking. The new machines use a typical BOMAG idea to achieve sustainable minimisation of fine dust pollution

for the operator! With a transport weight of 19.8 t, the BM 1000/35-2 is also the lightest track-chain-driven planer in the 350 HP class – without any compromise in milling performance. This makes the machine the ideal choice for city centres, side streets and country roads. On the other hand, the machine's high travel speed enables it to carry out patch repairs on main roads and motorways effectively.



BM 2000/60-3

**BM 1500/65
BM 2000/65
BM 2200/65**

**BM 2000/75
BM 2200/75
BM 2500/75**

IN A CLASS OF ITS OWN IN THE 350 HP CLASS.

WHAT MAKES OUR COMPACT
PLANERS STAND OUT.

BETTER WORK ENVIRONMENT

- Fully vibration-isolated operator station
- 2-way swivel seat
- Large roof that can be moved in two directions
- Additional weather protection

PERFECT VISIBILITY

- New, slimline front design for optimum visibility to the front, side and milling edge
- Additional mirror

BOMAG EASY LEVEL

- Levelling system with clear menu navigation
- Intuitive selection of all functions

FAST AND STABLE

- Longer track chains for enhanced stability and optimal traction
- High travel speed of up to 7.5 km/h

UNPARALLELED RELIABILITY

- Hard-wearing frame lock
- A directional stability of 5,000 operating hours is guaranteed for the swivel wheel

OUTSTANDING CUTTING TECHNOLOGY

- Wear-resistant and wear-optimised BMS 15 L exchange holder system
- Longer service life without additional maintenance intervals of up to 20%
- Lower fuel consumption



UNRIVALLED REDUCTION OF FINE DUST

- Optional ION DUST SHIELD supplements dust extraction
- Reduces fine dust (particle size $<10\ \mu\text{m}$) by up to an additional 88%
- Ready for future fine dust regulations in urban areas



SUSTAINABLE DUST CLEANING

- Due to a lower suction speed, dust is extracted without sucking up milled material
- Fewer deposits in the hose
- Lower noise level
- Lower cleaning effort



POWERFUL AND ECONOMICAL

- 350 HP engine output
- Double certification for Stage V and Tier 4 Final
- Perfect ratio of engine output to milling speed

ERGONOMIC AND SAFE

- Perfect positioning of service points for filling diesel, AdBlue and water
- Convenient and safe maintenance and filling processes

DESIGN PHILOSOPHY:

LIGHT IN USE, HEAVY ON DESIGN.

The powerful high-torque engines are fuel-efficient; effective sound insulation minimises the noise impact on the operator.

Our planers meet the strict emissions standards according to EU Stage V and Tier 4 final. A robust Tier 3 compliant engine version is available for use in countries with diesel containing sulphur.

OPTIMAL MILLING PERFORMANCE.

The operator can switch between three application-specific milling speed presets on the control panel. Adapted to the desired milling depth, the milling drum always works in the optimal torque range. At the same time, the feed rate is automatically maximised.

BUILT FOR HIGH DEMANDS.

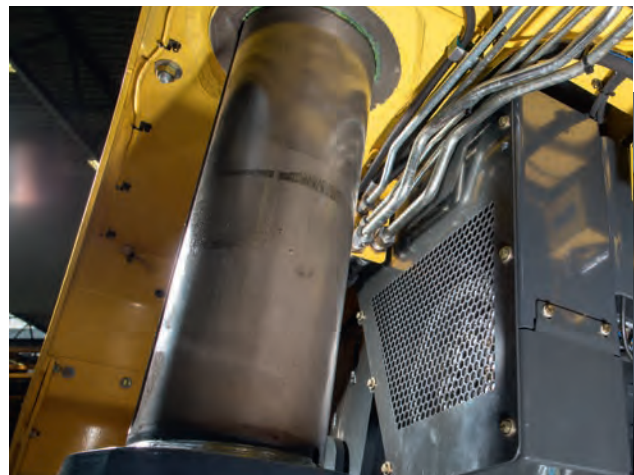
BOMAG planers are characterised by durability and precision. From the extremely light and rigid frame geometry to the low-wear swivel wheel mechanism. This locks itself firmly onto the frame and prevents premature wear of the bell crank. The effect: the machine can guarantee directional stability for up to 60 months or 5,000 operating hours. The low transport weight of less than 20 t makes it one of the lightest track-chain-driven planers in its class.

FOCUS ON THE DRIVER.

BOMAG's philosophy also includes putting the driver at the centre of its attention. The BM/35-2 series accordingly convinces its operators both with its clear and precise handling and with an exemplary reduced fine dust workplace that protects their health and the environment. The ergonomics follow the same no-nonsense approach: perfectly positioned function and control elements as well as the individually adjustable swivel seat make long workdays easier.

ECONOMICAL AND POWERFUL.

The BM/35-2 series' high productivity is also the result of the perfect balance between machine performance and BOMAG cutting technology. This is why the machines in this series are not only quiet in operation but also up to 20% more efficient in fuel consumption. The alignment of the tool holders is optimised for the milling process, which results in optimum rotation and lower wear of the cutting tools.



The track chains and lifting columns are of exceptionally solid design. The columns' larger diameter reduces the surface pressure, thus extending the service life of the guides.



ERGONOMICS:

A PRODUCTIVE WORKPLACE.



The operator plays a major role in the machine's productivity. Ergonomics, safety and comfort always come first in the conception and design of the workplace. The result: thanks to a completely decoupled platform, the ergonomically optimally adjustable workstation is particularly quiet and low in vibration. This makes working more pleasant and less tiring.



GETTING MORE DONE, BECAUSE EVERYTHING IS EASIER TO REACH.

For one, the individually adjustable sprung seat, which can be rotated 45° in two directions. But also the swivelling and height-adjustable operating console. Together, they form the basis for a comfortable work position. All functions on the operating console can be reached intuitively on one level, which is only possible with our machines.

Depending on the requirements of the milling task, the operator can turn the seat by 45°, providing a perfect view of the milling edge, the loading truck and the planing result. The second axis of rotation allows the seat position to be

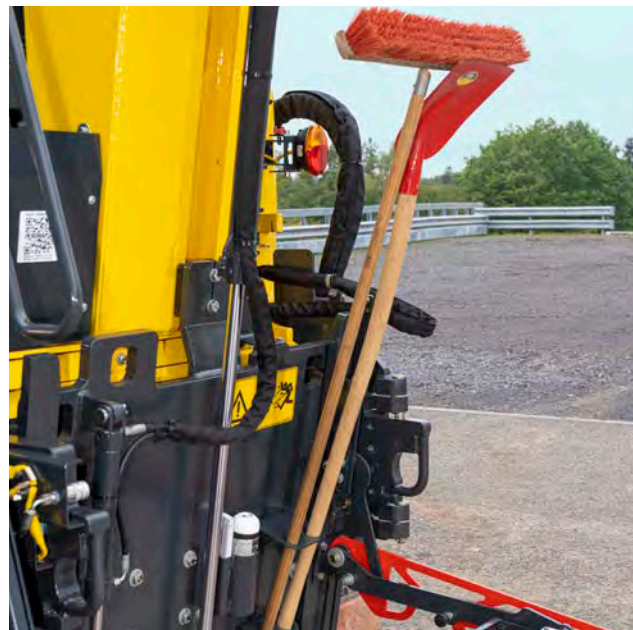
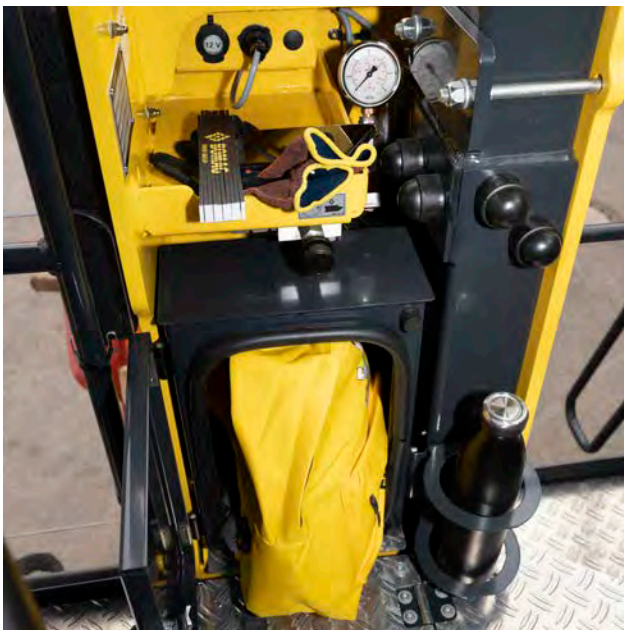
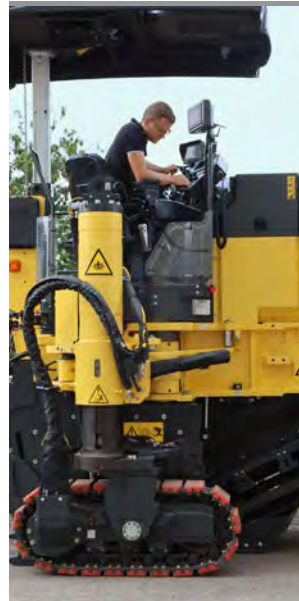


adjusted to provide an even better view of the milling edge. Good for a perfect work result.

ERGONOMICS:

SETTING STANDARDS IN SIMPLICITY AND OPERATING CONVENIENCE.

The individually height-adjustable infinitely swivelling operating console also supports ergonomic positioning and thus fatigue-free working – whether sitting or standing.



Conveniently located shelves and storage compartments offer plenty of space for marking spray or personal items such as a water bottle or gloves.

Practical holders for broom and shovel.

DEVELOPED FROM AN OPERATOR'S PERSPECTIVE.

Thanks to the conveyor belt that is suspended at the bottom of the vehicle, the BM/35-2's planers offer optimal visibility to the front. This makes manoeuvring on the job site much easier for the operator. All in all, these examples show just how much our planers have been developed from the operator's perspective: the excellent seating position, as well as the outstanding view of the front hold-downs and the side plates make these machines the perfect tool for precision milling.



SETTING STANDARDS IN SIMPLICITY AND OPERATING CONVENIENCE.

Machine operators must master many tasks at the same time. In addition to manoeuvring (tracking, steering) and loading the milled material, the operator must also maintain the required milling pattern, depth and, if necessary, the cross slope. At a time when there is a shortage of skilled workers, it's a great advantage if the work tools are designed in such a way that new staff can be trained quickly and easily.

This is exactly where the operating concept of the BM/35-2 comes into its own: All relevant functions are clearly grouped together and within easy reach. The adjustable control panel and armrest enable fatigue-free and comfortable working – whether sitting or standing.

The travel lever not only includes the advance function but also the control function for the side plates and conveyor belt. The adjustable feed speed controlled by a separate rotary switch allows the operator to rest one hand comfortably on the travel lever and swivel the conveyor belt with ease.

The operating display is clearly structured and every function relevant to the milling operation, such as adjusting the water quantity, can be directly selected and set via a popup window; relevant information, such as the milling depth remains visible.





BOMAG
FAYAT GROUP



Technical specifications and identification labels on the machine, including a barcode and various safety markings.

WEATHER PROTECTION:

COMFORT AND SAFETY UNDER ONE ROOF.

Many things depend on the weather in road construction – including the working conditions. But thanks to the large, individually adjustable roof, the machine operator is perfectly protected from both sun and rain. The roof can be moved both vertically and laterally. Even when the driver's seat is swivelled out, the operator can still work easily. In

the default position, the roof is flush with the right-hand side of the machine, which allows the operator to drive up close to walls, trees or other obstacles without causing any damage or creating a safety risk.



Roof in standard position.



Roof extended over swivel seat.

In addition to the optional weather protection, hot air nozzles at floor level make working in the cold season more comfortable. This protects the operator's feet and legs from wind and rain. A small but important feature to improve the driver's well-being. Integrated storage compartments and adjustable driver's stand lighting further enhance comfort.



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EASY HANDLING:

MAKES WORK EASIER.



Even when measured in kilograms: Compared to its predecessor, the basic weight of the new BM 1000/35-2 has been reduced by 1.5 t. This makes it the lightest 350 HP track-chain-driven planer in its class. With a transport weight of less than 20 t, it meets the strictest regulations in this regard.

On the other hand, if required, the machine can be adapted to the respective requirements by means of optional ballasting up to 1.5 t.

	BM 1000/35-2	BM 1200/35-2	BM 1300/35-2
Operating weight CECE [kg]*	20,400	21,400	21,900
Transport weight CECE [kg]**	19,800	20,800	21,300

Another way to make things easier are the storage solutions. In addition to the already abundant storage space for the cutting tool equipment, the latest generation of the BM/35-2 series has an additional storage compartment beneath the pre-conveyor belt.



ADDITIONAL USER-FRIENDLINESS.

The new generation of the BM/35-2 series is exceptionally user friendly. Using the maintenance flaps, the operator can inspect and service the clearly arranged water system, the hydraulic valve block and the oil filter without any difficulties. Fuel and AdBlue can be topped up conveniently and safely.



THE MULTIFUNCTIONAL WATER PUMP.

The standard 3-way water filling pump reliably supplies the planer with water during operation. It can also be used to fill the water tank quickly. And to make its multifunctional role perfect, it can be used—together with the optional hose reel—to clean the machine carefully and quickly. Thanks to the high water flow at low pressure, dirt is reliably rinsed off without washing away grease from lubrication points or damaging lines.



* Standard machine with track-chain drive; no options; ½ water, ½ AdBlue, ½ diesel, driver
** Operating weight CECE without water

INNOVATION:

INTELLIGENT REDUCTION OF FINE DUST.

Particle pollution, better known as fine dust, is becoming an increasingly important issue for cities and the environment. Elevated fine dust levels are being measured repeatedly, especially in urban areas. If these exceed a certain limit, warnings or even driving bans are issued to prevent adverse health effects.

Fine dust is the term used to describe the minute particles in the air that can penetrate the respiratory tract. In road construction work, and especially during planing, fine dust is generated that affects the site personnel as well as the machine operators. This is why sustainable solutions are particularly in demand here. BOMAG's optional ION DUST

SHIELD is a particularly smart answer to this challenge. The special dust shield is intended as an addition to the standard dust extraction system and reduces the amount of hazardous fine dust by at least 88%*. As a result, BOMAG's ION DUST SHIELD achieves the highest level of protection available for the driver and the environment.



NO FILTER, BUT AN AWARD!

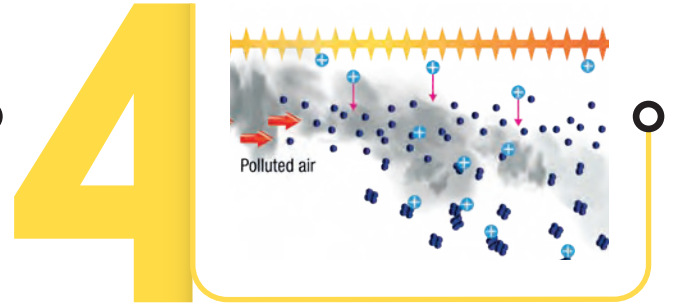
The idea: by applying an electrical charge, fine and microfine particles bind together to form coarse dust, which can be ejected together with the milled material via the conveyor belt. This makes it possible to dispense with filters entirely, which also has cost benefits.

Because filters have to be cleaned, serviced, and, in some cases, disposed of as hazardous material. BOMAG ION DUST SHIELD is the most effective dust reduction system on the market and was awarded the 2019 bauma Innovation Prize.

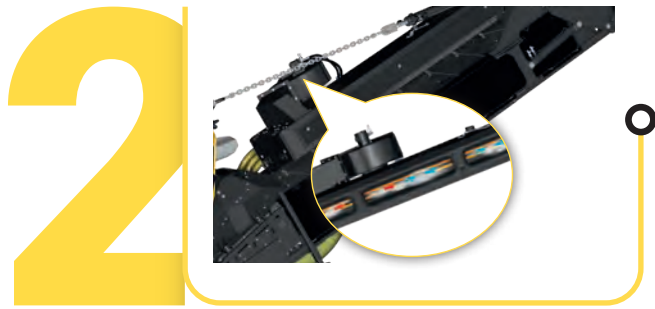
** Reference measurement BM1000/35



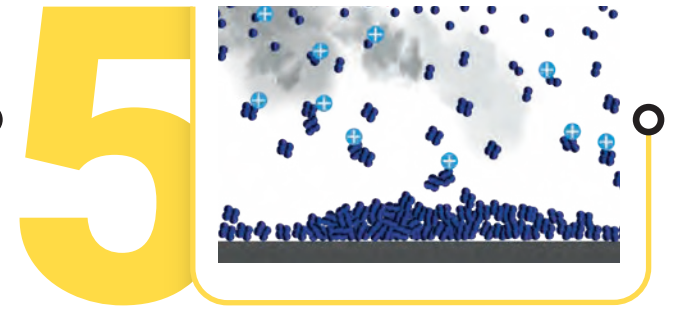
First of all, the dust is extracted where it is generated (at the transition between the milling box and conveyor belt).



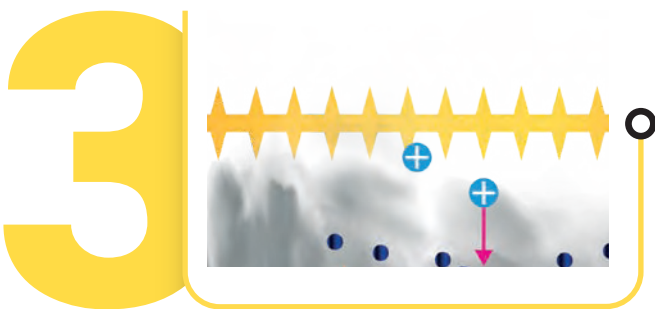
The positively charged fine dust becomes unstable and tries to become stable again by forming a bond with other fine dust particles. More and more fine dust particles combine permanently to form harmless coarse dust.



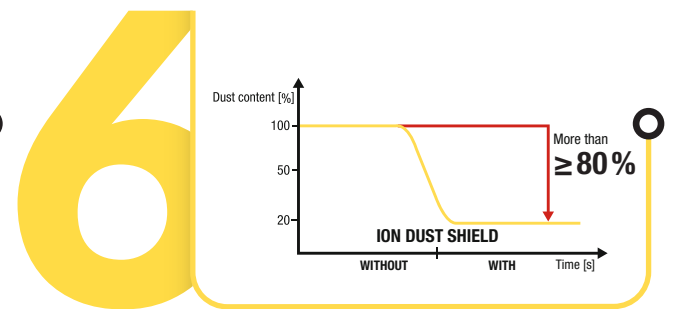
Before being blown onto the conveyor belt, the dust passes through the ION DUST SHIELD box.



These dust particles sink onto the negatively charged housing and are removed via the conveyor belt as non-hazardous coarse dust.



Here, the extracted fine dust hits electrodes that ionise (charge) it positively.



The result has been scientifically confirmed by measurements conducted by the Institute for Hazardous Materials Research (IGF) of the Ruhr University Bochum and the IRNS. Result: reduction of fine dust by more than 80%.

CUTTING TECHNOLOGY:

MORE PERFORMANCE PER HP.

The key to higher efficiency lies in functionally well-thought-out solutions. The quick-change system with dust- and dirt-protected gears and based on central bolting is easy to use and allows the milling drum to be replaced quickly. It is available as an option and quickly pays for itself.



Exchangeable carbide wear protection of the milling box and milling drum.

High working depths even with large height differences: With a side plate lift of 460 mm, our machines set new standards for milling close to kerb edges and for removing surfaces at full depth.



QUALITY SAVES MONEY.

In this case, effective work means: converting engine power optimally into milling power. Our compact planers excel in this discipline. This is due to the quality in every detail: the efficient BMS 15 L BOMAG tool holder system is known for its long service life, which increases the machine's availability and extends service intervals. But it also stands out for its easy handling and low repair costs. A complete change of tool holders takes only half the time compared to other systems on the market. This combines maximum performance with lower operating costs.



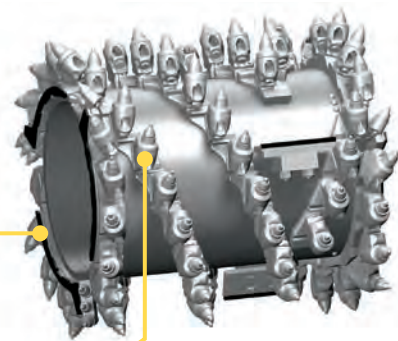
OPTIMAL THROUGH EXPERIENCE.

The arrangement of the holder systems on the milling drum is optimised to provide the unrivalled milling quality and high efficiency of BOMAG planers. The proven and constantly refined design guarantees optimum rotation of the cutting tools with the least possible wear and tear. The helical arrangement of the cutting tools on the drum transports the milled material to the ejector plates with precision and then on to the ejection area on the milling box.



CUTTING EDGE DESIGN.

A cleanly cut edge is essential when repaving asphalt. Whether travelling straight ahead or cornering – the edge cutters ensure a cleanly cut edge and protect the milling drum from excessive wear.



ROBUST

The edge areas on the outer ring of the milling drum, which are subject to particularly heavy wear, are additionally protected by extremely hardened wear elements.

ECONOMICAL

Thanks to the toolholder's slim design, BOMAG milling drums are significantly more efficient, allowing more power to be converted into force on the cutting tools. This can reduce fuel consumption and wear by up to 20%.

VERSATILE

Available tool spacings between 6 and 22 mm and milling drum widths from 600 to 1,300 mm enable versatile use.

EASY SERVICING:

MAINTENANCE WITHOUT WAITING.

DESIGNED FOR EASY MAINTENANCE.

Durability and ease of maintenance are part of the BOMAG principle. Implemented down to the smallest detail, they reduce service requirements and machine downtimes to a minimum.

EVERYTHING IN THE RIGHT PLACE.

With BOMAG, service-relevant components are always positioned for ease of operation and freely accessible. This applies to fuel and lubricant tanks, the service points in the engine compartment and for every operation.



The power belt cover is divided into two parts. This enables service access by one person.



The engine oil level is quickly checked.



The water system is simple to maintain thanks to the clearly arranged components.



Changing the air filter is also quick and easy.



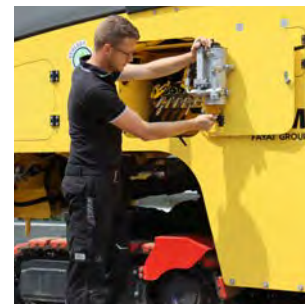
Clearly visible marking of service points.



Easily removable for protection against theft.



The spray bar for cooling the cutting tools is easily accessible without the use of tools.



The oil filter and valve block are protected in a maintenance compartment and are easily accessible.



Easy cleaning of the machine after milling with the optional hose reel.



Simple tool holder replacement: tighten the safety bolt once with just 100 Nm.



The large storage compartments for the tool boxes are positioned close to the service locations.



BOMAG ION DUST SHIELD: Requires no filter, easy to clean with water.



The inner and outer conveyor belts are easily accessible and simple to remove. This makes servicing easier.

EFFICIENCY X AVAILABILITY = PRODUCTIVITY.

What makes a construction machine economically valuable over the long term is its productivity combined with low operating and maintenance costs. This forms the basis of every design decision at BOMAG.

HIGH PERFORMANCE.

With their 350 HP engines, BOMAG planers are the most powerful machines in their class. The torque is transferred optimally to the milling drum by means of variably configurable planing and feed speeds. And all this with low fuel consumption.

HIGH EFFICIENCY.

High engine power only pays off if it is effectively converted into milling power. With BOMAG, this is ensured above all by the drum geometry, optimised in years of basic research, and the low mechanical resistance of the innovative holder systems.

EFFICIENT ERGONOMICS.

When it comes to efficiency and quality, the operator has always been number 1. Providing the best possible support is a guiding principle at BOMAG. An excellent overview, easy access to all control elements, reliable intuitive operator guidance and a high level of comfort are just some of the aspects that contribute to a maximum daily output.

INTELLIGENT SERVICE CONCEPTS.

BOMAG planers are designed down to the smallest detail with ease of maintenance in mind. As a result, all routine service activities, such as cutting tool replacement, require significantly less time. This keeps expensive downtimes on the job site to a minimum.

MINIMAL WEAR.

A design concept geared towards robustness (with e.g. external cooling and filtration of the gear oil) and the use of high-quality materials maximises the lifetime of the planers and all their components. This not only increases the machine's valuable service life but also increases its availability by reducing service intervals.

Highest efficiency combined with maximum availability: That's the BOMAG key to sustainable productivity.

OPTIONAL EQUIPMENT:

PERFECT WHEN IT EXACTLY SUITS YOUR NEEDS.

WEATHER PROTECTION ROOF.

The large weather protection roof offers optimal protection and has no effect on the transport height. The operator can easily adjust the height hydraulically from the driver's seat. The ball-bearing mounting enables easy lateral displacement – ideal for confined job site conditions. Adjustable spotlights for lighting the operator's platform, incorporated storage nets.



HIGH-PRESSURE CLEANER.

The hydraulic high-pressure cleaner makes daily cleaning easier and extends the service life of the planer. The machine is supplied with a high-pressure cleaner, a high-pressure hose and a spray gun.



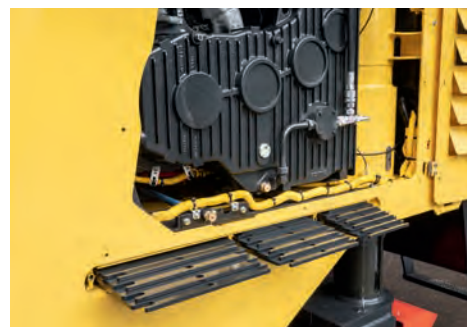
DUST EXTRACTION.

The dust extraction system prevents fine dust from entering the operator's working area by creating a vacuum in the milling box. Thanks to the large diameter of the air line, the system operates at a very low air speed. This makes operation particularly quiet and maintenance-free, as no stones are sucked in. The system meets the requirements of the German BG Bau and the Dutch TNO.



BALLASTING.

Planers are designed so their site-ready weight including the truck is under 40 t in total. In most countries, transportation is therefore possible without a special permit. For countries without this restriction or to increase stability for particular applications such as fine milling, it is also possible to place ballast weights in the frame.





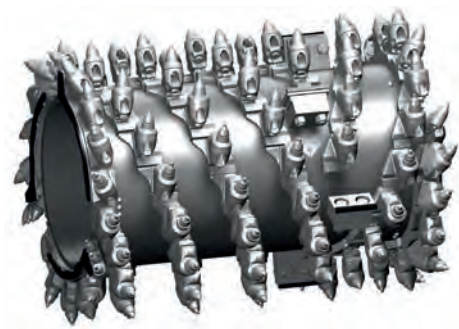
LEVELLING.

BOMAG Easy Level is the easy-to-use automatic levelling system for BOMAG planers. All necessary information is displayed and the clear structure of the menu makes it possible to implement relevant settings or adjustments during milling in a maximum of three steps.



AUXILIARY DRIVE FOR TOOL CHANGE.

With the auxiliary drive for cutting tool changes, the milling drum can be moved effortlessly and safely for maintenance purposes. This considerably speeds up and simplifies cutting tool replacement. The planer is moved into the service position at the push of a button, thus ensuring safe and optimum access.



MILLING DRUMS.

Working widths from 600 to 1,300 mm and tool spacings from 6 to 22 mm for surface and fine milling jobs all the way to full removal: with its wide range of high-quality milling drums, BOMAG offers the right tool for every application.



SCRAPERS.

Scrapers for standard working widths (1,000, 1,200, 1,300 mm). When using a milling drum with a working width smaller than the maximum width, a split scraper is available for the clean pick-up and loading of the milled material.

TEAMWORK IN ACTION.

In the end, it's always the result that counts. And that's why your experience counts for us right from the start. Your wishes and requirements are directly incorporated into the technical development. Your needs are always part of our solution. This is precisely why our machines are successfully in operation all over the world

and are up to every challenge. Even when it comes to projects that are characterised by high-quality demands and tight deadlines, for example. Like here, when removing the top layer during repairs to a bridge over the Rhine on the A 48 between Koblenz and Neuwied. In other words: success comes from teamwork.





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