

BOMAG MPH 125 Stabilizer/Recycler.

The ultimate in cost-effectiveness and productivity.



A whole new dimension of productivity. The BOMAG MPH 125.

The main factors affecting the financial viability of soil stabilization or cold recycling are high flexibility in terms of use and large daily outputs, combined with low operating costs. Based on 40 years experience, BOMAG continues to set new standards in the development and manufacture of soil stabilizers. The BOMAG MPH 125 guarantees high quality on all applications around the world and the assurance of long-term viability.



We innovate to meet your needs.

BOMAG is present on construction sites around the globe, constantly developing its machines in close collaboration with users. Our innovative solutions transform your working environment:

- **Efficiency:** the lowest operating costs/m³ in its class
- **Power:** enhanced rotor for high daily output
- **Flexibility:** For every eventuality, the right setting with BOMAG FLEXMIX TECHNOLOGY
- **Safety:** a ROPS-FOPS cab comes as standard
- **Intelligence:** fully automated process monitoring
- **Ergonomy:** rotating and sliding work platform
- **Ecological:** low emission diesel engines
- **Reliability:** BOMAG quality standard
- **Low wear:** 11-setting rotor speed control for the best work results with minimum wear
- **Availability:** rotor drive with hydraulic overload protection system



The BOMAG MPH 125 used as a stabilizer.



Works to the left...



... and right hand side edges.

Top performance on difficult materials.

The unique design of the MPH 125 with articulated and rear axle steering gives excellent handling even under extreme conditions. The powerful all wheel drive with four, equal size wheels provides excellent forward drive, even on deep, heavy soil.

However, what use is output power without ground contact? The machine's high stability maintains ground contact on the oscillating supported rear axle at all times.

If the soil suddenly loses load-bearing capacity, the MPH 125 frees itself by actuating its articulated steering. The machine's low centre of gravity ensures stable driving conditions even in critical situations.

- Permanent ground contact with the oscillating axis
- Safe working due to low centre of gravity
- Powerful all wheel drive for permanent forward drive
- Articulated steering for severe driving situations

Not quite turning on the spot, but the unique steering concept enables the MPH 125 to achieve a turning radius unbeaten in its class. With excellent all-round visibility, the operator can turn the machine round quickly and safely in even the most confined conditions or on embankments.

With its rotor centrally positioned in the direction of travel, the MPH 125 works both the left and right hand side of the pulverised edge with excellent effect. The time saved can be put to use for more output.

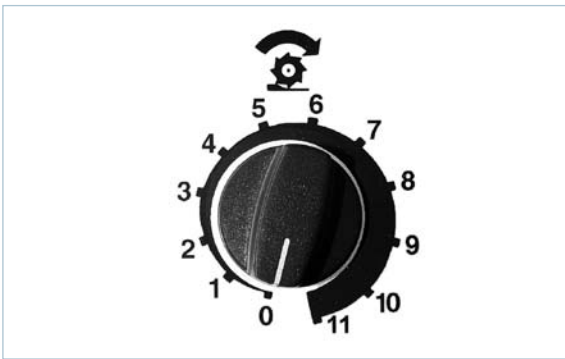
- Smallest turning radius of its class.
- Works on left and right hand side of the pulverised edge.
- High daily output with faster turning times and reverse manoeuvres.



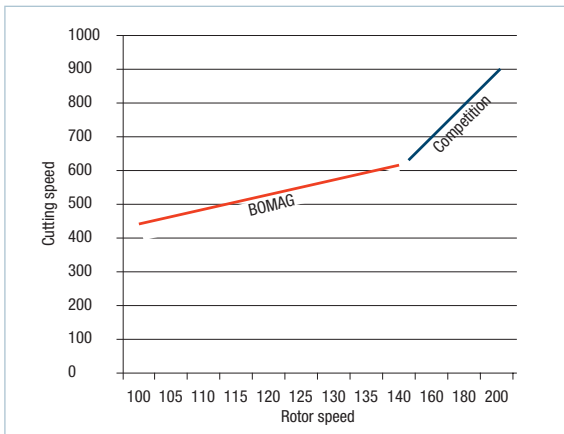
The combined articulated and rear axle steering means the MPH 125 will handle the most difficult soils.

The effective rotor drive.

Sophisticated technology, fine-tuned over many years, shows its value in every day operations on site. As always with BOMAG, low cost operation is at the forefront.



There are 11 rotor speed settings designed to reduce wear.



Low rotor speed means less wear.

The rotor is driven by two planetary gear units and provides maximum performance on every application. In milling mode, the rotor speed has 11 settings which means tool and rotor wear is kept to a minimum. By adjusting the rotor speed to the current work situation, the best mixing result is achieved with the lowest fuel consumption. The rotor drive's automatic overload protection system gives high machine availability under severe conditions. And the hydraulic shutdown means it is maintenance-free.

The advantages are clearcut:

- Adjustable rotor speed for low wear
- High availability with the wear-resistant overload protection system



BOMAG sets the standard: the rotor.

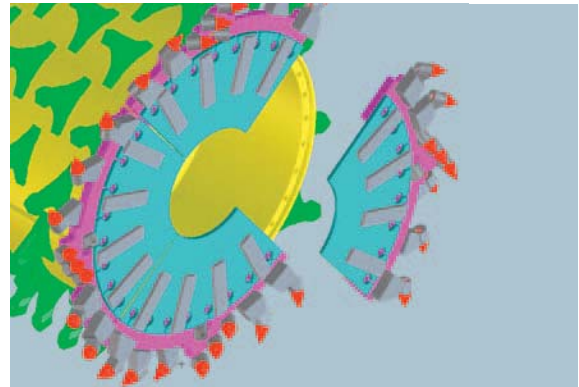
Low wear, excellent access and quick change times for consumable parts have set new standards when it comes to availability and productivity. The rotor's weight provides the maximum centrifugal mass for difficult pulverising work. During a tool change, operator safety is first and foremost. All machine functions can be deactivated with a tool change switch. The operator is then able to turn the rotor in both directions. In this case, the rotor hood is also secured to prevent it from being lowered.

- High centrifugal mass for best pulverising effect
- Excellent access to change holders and cutters
- Service switch and hood fixing system ensure operator safety
- Two directions of rotation on the rotor for easy unwinding of trapped lines, cables and wires

BOMAG sets the standard: the tool holders.

Never compromise – that was the philosophy in the development of the new BOMAG BRS 05 quick-change holder system. Increased cost-effectiveness also plays a leading role here. The system, specially designed for use on soil stabilizers and recyclers, ensures low costs and quick changing times, even under difficult site conditions. The interaction between both parts guarantees safe operation even under high loads.

- Contamination-resistant design for easy handling
- Positive connection for safe operation
- Long service life with highly wear-resistant steel



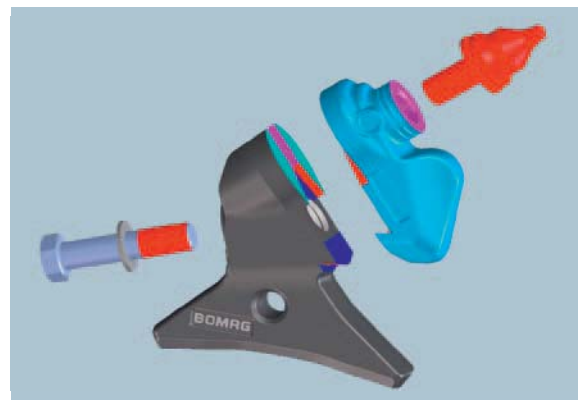
Rotor with removable wheel segments.



New BOMAG BRS 05 quick-change holder system.



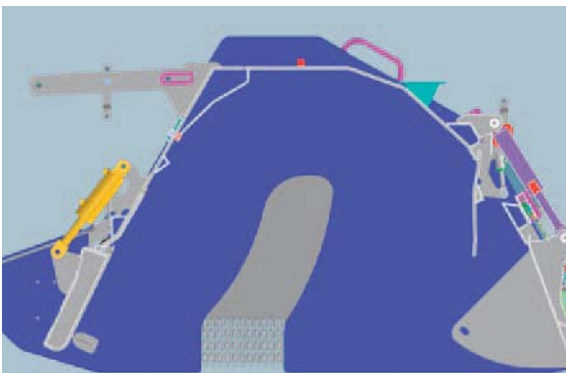
Excellent access to the edge zone.



BOMAG BRS 05 quick-change holder system – our expertise is your advantage.

Flexibility in perfection – BOMAG FLEXMIX TECHNOLOGY.

The MPH 125 has set new standards with its high flexibility on varied applications to give the maximum daily output and, at the same time, the highest quality.



MPH 125 rotor hood with additional gate.

A feature unique to BOMAG: three infinitely adjustable gates on the rotor hood. In addition to conventional setting options, BOMAG has extended the system with an additional mixing and crushing gate. This acts as a crushing bar in the rotor hood. If required, the milled material can be crushed to the specified size by the mixing bar.

The infinitely variable adjustment of all three gates means that any result can be achieved easily and safely. For maximum mixing output or top quality, BOMAG FLEXMIX technology always has the right setting option.

- High flexibility for maximum machine output
- Perfect mixing results with BOMAG FLEXMIX technology



Optimum mixing quality and uniform layer thickness with BOMAG FLEXMIX technology.

Comfort UNDERLINED.

Ergonomic working on both sides.



The workplace can be shifted from left...



... to right without effort.

The rotor is centrally positioned in the direction of travel and allows work on both the left and right side of the milled edge. Clearly, this requires the best ergonomic working position for the operator on both sides. The unique ROPS-FOPS cab allows the workplace to be shifted within the cab. All control and operating elements are always moved to the best position.

Furthermore, large windshield areas give perfect all-round vision to the area of work.

- Ergonomic seating position with the rotating and sliding workplace
- Perfect all-round view for ultimate safety
- Maximum productivity by working on both sides of the edge





Couldn't be easier! Transportation with a lowered cab.

Machine transport is easy – with height adjustable cab.

In addition to the excellent all-round view, the ROPS-FOPS cab also provides a low transport height, being height adjustable. A switch lowers the cab to transportation height fast. It is then easy to move the machine for transport on public roads. And less effort in obtaining special permits or low-loaders. Again, BOMAG saves time and money.

- Easy transportation with the height adjustable ROPS-FOPS cab



The perfect system for the optimum water content.

The fully automated water injection system integrated into machine control supplies the exact water quantity to every part of the mix.



Spray bar with self-cleaning feature.

A high precision flow measuring system gives pinpoint accuracy. To prevent overwatering on overlapping tracks, the spray widths can be individually set on the metering computer. The system is fitted with an automatic nozzle cleaning system to prevent nozzles from becoming blocked.

- Less nozzle downtime with a self-cleaning function
- Ultimate precision with the flow meter and metering computer
- Flexibility with the adjustable spray width



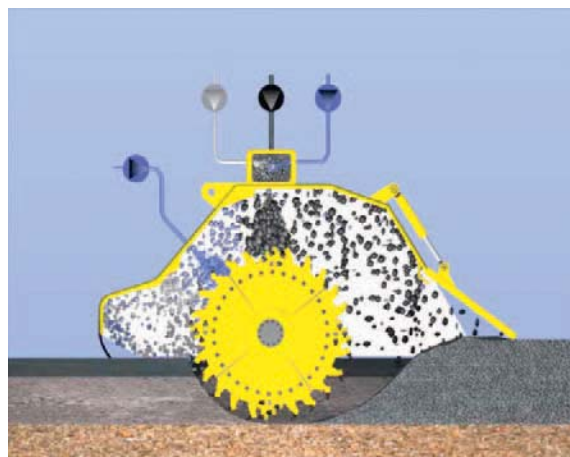


Innovating for top quality with bitumen.

Cold recycling the cost-effective construction method of the future. Intelligent technology now opens a new world of possibilities as BOMAG has developed a fully automated bitumen injection system. This can be used to add bitumen emulsion and foamed hot bitumen as well. The crucial factor in mix-in-place recycling is the mix quality. This intelligent bitumen system is setting new quality standards.

Permanent monitoring relieves the operator of this job, and simultaneously guarantees the highest quality. The automatic spray bar diagnostics clean the nozzles, if required, ensuring maximum uptime of the system. The external test nozzle can also be used to monitor quality during work. Highly effective thermal oil heating reduces unproductive heating times and ensures safe operation.

- High availability with spray bar diagnostics
- Great productivity with thermal oil heating
- High quality with permanent monitoring



BOMAG mix-in-place – delivering quality.

The metering computer.

At the heart of perfect metering.

The central metering computer for all injection systems has a visual display and is very easy to operate. The operator can monitor the entire process which is recorded in the background. The quality assurance information can be printed out using the optional printer.

- Visual display for easy operation and overview
- Spray bar diagnostics for high uptimes
- Documents quality via printer

BOMAG			
APH 125	101 590 22 1065		
ESK: V 3.99	BOP: V 3.99		
Date:	Time:		
Project:			
Operator: _____			
Bitumen type: _____			
Working mode: Auto			
Settings:			
	Water	Bitumen	Reaction water
Actual	0+0%	0+0%	0+0%
Min	1+6%	2+6%	3+6%
Max	5+3%	6+3%	7+3%
Density	= 1500 kg/m ³		
Totals:			
Milling length	=	0 h	
Milling area	=	0 m ²	
Milling volume	=	0 m ³	
Milling time	=	0 h 0 min	
Mixing water	=	0 l	
Bitumen	=	0 kg	
Comment: _____			

Prints out quality assurance data.



The operator has all systems safely in sight via the display panel.



Fully automated spray bar diagnostics.



Site data is documented.

Simple maintenance increases productivity.

Ease of maintenance is high on the list of priorities with dusty binders. The MPH 125 makes the operator's life easier in the process.



Large volume cooler with extra cooling reserves.



Central lubrication system is standard.



Excellent access for cooler cleaning.

The central lubrication system, which is standard, ensures all components run like clockwork. Special coolers give a low level of dust adhesion. Large volume coolers with extra cooling reserves also provide high cooling capacity for difficult conditions. Cleaning the cooler is significantly easier with no „sandwich coolers“ and by using compressed air on site supplied by the standard compressor. Again, high uptimes and the low wear.

- Large volume cooler gives consistent cooling capacity
- Excellent access for effective cleaning
- Central lubrication system for high availability and low wear

BOMAG – always pioneering.

Years of experience pay – for the user. After all, BOMAG has been quite at home on sites around the world for over 50 years.



Customer feedback from sites has allowed ideas and inspiration for innovation to flow. However, innovation is not an end in itself – it must always bring with it a clear benefit for the customer, in terms of convenience, ease of use, quality of the work, reliability and of course cost-effectiveness and productivity.



The BOMAG MPH 125 is only one of the many examples of machines and technologies that have been consistently developed by BOMAG. For around 40 years now, BOMAG has been setting the standard when it comes to the development and manufacture of soil stabilizers. Wherever it is used, the MPH 125 never fails to impress with its unique concept and design.





BOMAG MPH 125 on soil stabilisation ...



... and recycling.

BOMAG MPH 125.

For all soil stabilisation jobs ...

Soil stabilisation has established itself as standard in many countries, particularly in the last few years. However, applications vary greatly depending on the country. The MPH 125 meets global requirements and ensures the lowest operating costs in its class.

... and the high demands of recycling.

On cold recycling, requirements are especially high. Here too, the MPH 125 has proved its unique flexibility and productivity around the world as a reliable partner for the most challenging on site demands.



In China...



...in Uganda...



... and in South Africa.

Worldwide support.



Just ask and our specialists will be on site to assist.

As the global specialist on earthworks and road construction, BOMAG provides its customary support to its customers on every application. Either training machine operators, consulting on projects during the planning phase, or being there on the job site, our experience and wide applicational expertise are your basis for success.



BOMAG TELEMATIC.

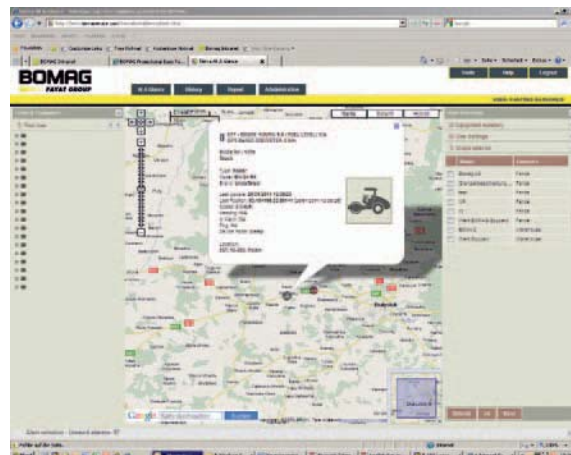
Your machine is just a mouse click away.

BOMAG also supports its customers in the office too. BOMAG TELEMATIC provides the the most important machine data at any time – e.g. operating hours and machine output – regardless of the machine's location.

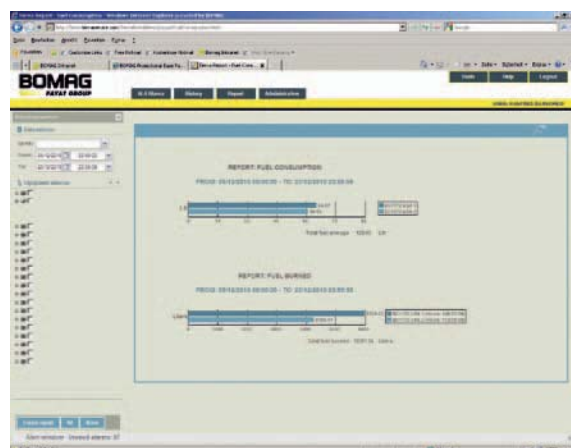
BOMAG TELEMATIC can monitor and manage an entire fleet. The customer knows at all times where machines are, how they are being used and when the next service is due. Alarms are automatically generated; for example, when a machine leaves a defined construction site unscheduled. BOMAG TELEMATIC also allows fuel costs to be allocated in detail and servicing work to be planned and documented.

And of course, all recorded data can be tracked.

- **Maintenance scheduling:** The entire fleet at a glance. All services are centrally documented
- **Complete fuel monitoring:** BOMAG TELEMATIC provides precise information about the actual fuel used
- **Flexible:** BOMAG TELEMATIC is the solution for the entire fleet: Even machines from other manufacturers can be easily included



Knowing where the machines are at any given moment – no problem.



Fuel costs can also be allocated in detail.

BOMAG Service – ever present.

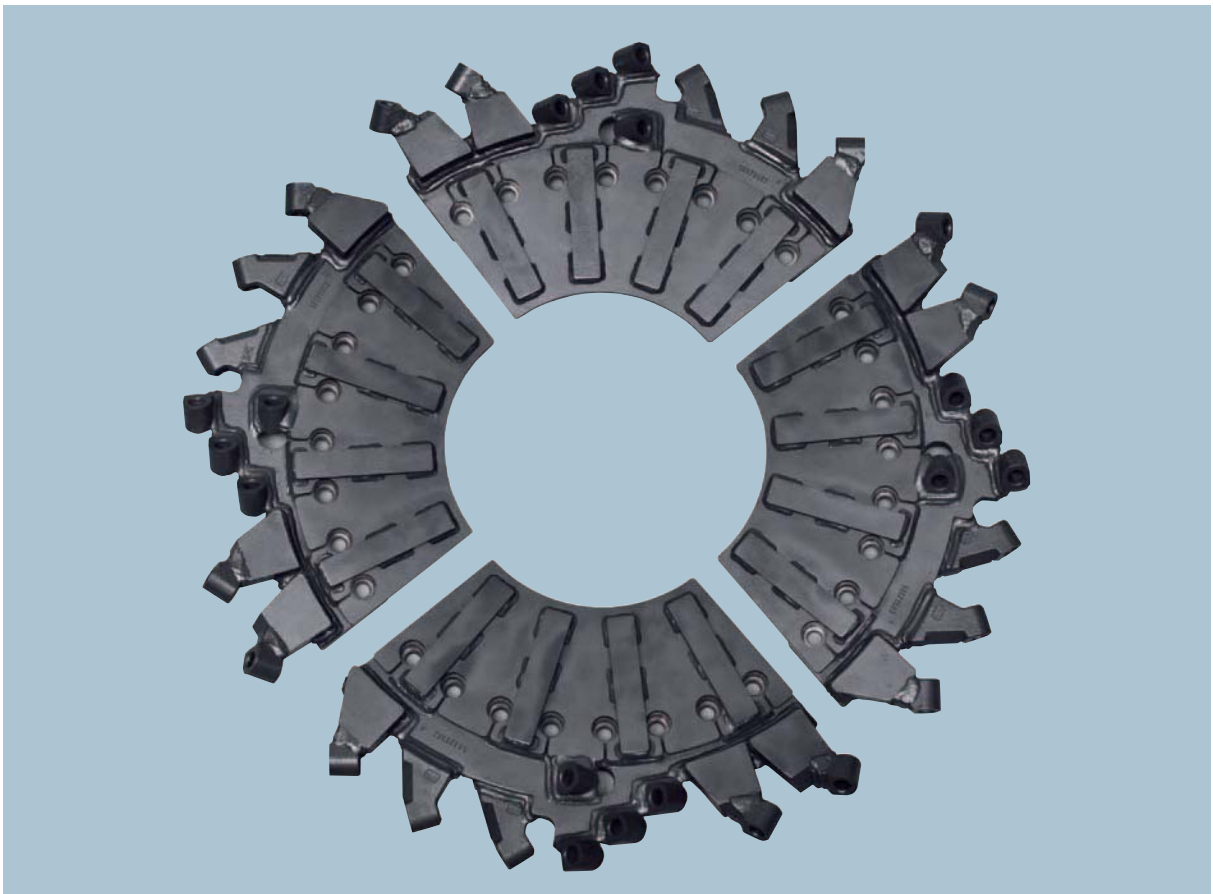


Servicing kit for the MPH 125 – all the important parts at your fingertips.

The best way to ensure full availability and reliability is regular servicing and maintenance, as well as good service. High availability of spare parts, quick service, fast delivery and good accessibility are a given with BOMAG.

Original parts save time and money.

BOMAG consumable parts and servicing kits and original spare parts ensure easy, preventive maintenance. Easy to order and giving optimum machine availability long-term. Not to mention, they also help save time and money.



BOMAG MPH 125 – future-led technology.

Reducing environmental pollution by treating material on site.

The use of an environment and resource-friendly construction method is an investment worth making to help protect the natural world. As a resource-friendly process, mix-in-place recycling has developed into a future-led technology over many years. For years, BOMAG has been repeatedly advancing standards with innovative ideas based on decades of research.

We are committed to environmental protection. Our aim is to protect the environment and conserve decreasing material resources for future generations:

- Sustainability
- Recycling
- Low emissions
- Alternative energies

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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