

# BOMAG MPH 600 Stabilizer/Recycler.

Ultimate cost-efficiency and productivity.



# The Productivity Machine. The MPH 600.

The main factors controlling financial viability in soil stabilization or cold recycling are the need for high flexibility, high daily output, and 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 600 is designed to produce high quality results on applications around the world with the assurance of long-life operating viability.



# We innovate for your success.

**BOMAG machines are ever-present on sites across the globe, where we are constantly developing features in close collaboration with users. Our highly innovative solutions can transform your site operations and profitability:**

- **Efficiency:** the lowest operating costs/m<sup>3</sup> in this class
- **Power:** enhanced rotor design for high daily output
- **Flexibility:** the right setting on every job with BOMAG FLEXMIX TECHNOLOGY
- **Safety:** the ROPS-FOPS cab comes as standard
- **Quality:** fully automated process monitoring
- **Ergonomy:** rotating and sliding work platform
- **Ecology:** low emission diesel engines
- **Reliability:** BOMAG quality comes as standard
- **Economy:** 11-setting rotor speed control for the best results with minimum parts wear
- **Durability:** rotor drive with hydraulic overload protection system





Works to the left...



... and right hand side edges.

## Top performance on difficult materials.

The unique design of the MPH 600 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 output power needs constant ground contact. High MPH 600 stability maintains ground contact on the oscillating supported rear axle at all times.

If soil loses load-bearing capacity, the machine frees itself by activating the articulated steering. The low centre of gravity ensures stable driving conditions even in difficult environments.

- Permanent ground contact with the oscillating axis
- Low centre of gravity for safe working
- Powerful all wheel drive for permanent forward drive
- Articulated steering for difficult site conditions

Almost a spot turn: the unique steering design provides the MPH 600 with a turning radius unbeaten in this class. With excellent allround visibility, the operator can turn the machine quickly and safely in even confined areas or on embankments.

With its rotor centrally positioned in the direction of travel, the MPH 600 works both the left and right hand side of the pulverised edge with excellent effect. Time saved means more output and less cost.

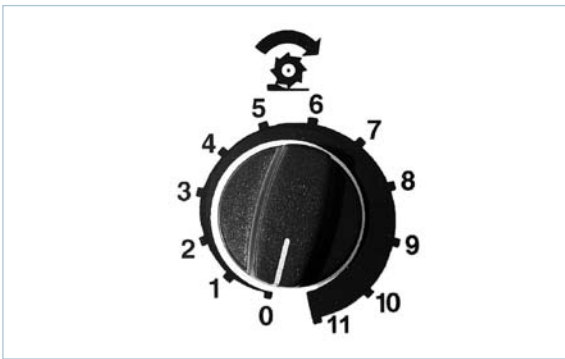
- The smallest turning radius in this class.
- Works on left and right hand side of the pulverised edge.
- High daily output with fast turning speed and reversing capability.



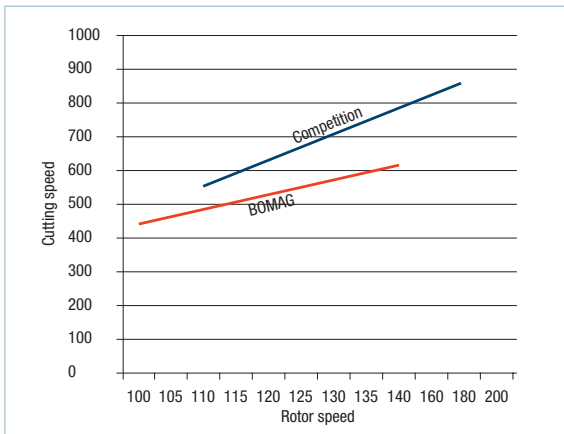
The combined articulated and rear axle steering means the MPH 600 handles the most difficult soils with ease.

# The rotor drive.

Sophisticated technology, fine-tuned over many years, displays its advantages on site operations day after day. As always with BOMAG, cost-cutting performance is the goal.



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 mix result is achieved with the lowest fuel consumption. The rotor drive automatic overload protection system gives high machine availability under severe conditions. And the hydraulic shutdown means maintenance-free operations.

### The advantages are clearcut:

- Adjustable rotor speed for low wear
- High availability with 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 for availability and productivity.

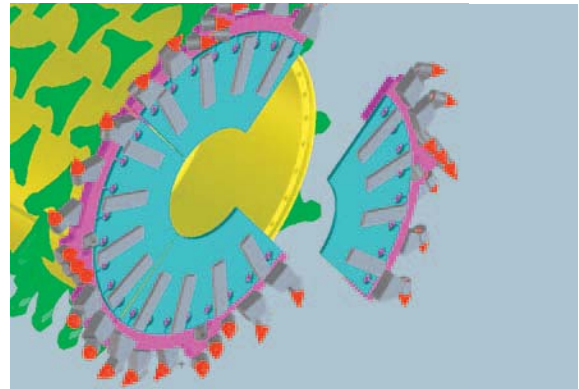
The rotor weight provides the maximum centrifugal mass for difficult pulverising work. During a tool change, operator safety is first and foremost. All machine functions can be deactivated with a tool change switch. The operator can then turn the rotor in both directions. The rotor hood is also secured to prevent lowering.

- 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.**

No compromise – that was the philosophy for the development of the new BOMAG BRS 05 quick-change holder system. Increased cost-effectiveness is also a key feature here. The system, specially designed for use on soil stabilizers and recyclers, offers lower costs and quick change times, even in difficult site conditions. The interaction between the two parts guarantees safe operation even under high loads.

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



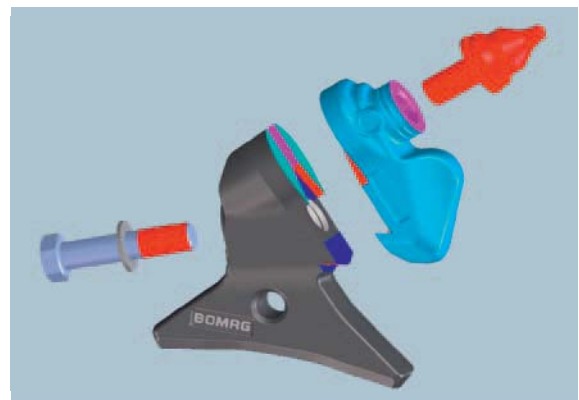
Rotor with removable wheel segments.



New BOMAG BRS 05 quick-change holder system.



Excellent access to the edges.



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

## Operating versatility – BOMAG FLEXMIX TECHNOLOGY.

The MPH 600 has set new standards with its versatility on a range of applications where the ability to maintain high daily outputs and the highest quality are crucial.



MPH 600 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 the required result can be achieved easily and safely. For maximum mixing output or top quality, BOMAG FLEXMIX technology always offers the right setting.

- 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 means productivity.

## Ergonomic working on both sides.



The workplace can be shifted from left...



... to right with ease.

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

Large windshield areas give perfect all-round vision to the area of work.

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







Could not 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 an adjustable low transport height. A switch lowers the cab to transport height fast. The machine is then ready for movement on public roads with less work to obtain special permits or low-loaders. Again, BOMAG saves time and money.

- Easy transportation with the height adjustable ROPS-FOPS cab



# The perfect system to deliver optimum water content.

The fully automated water injection system integrated into the machine control supplies the exact water volume 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 nozzle blockage.

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



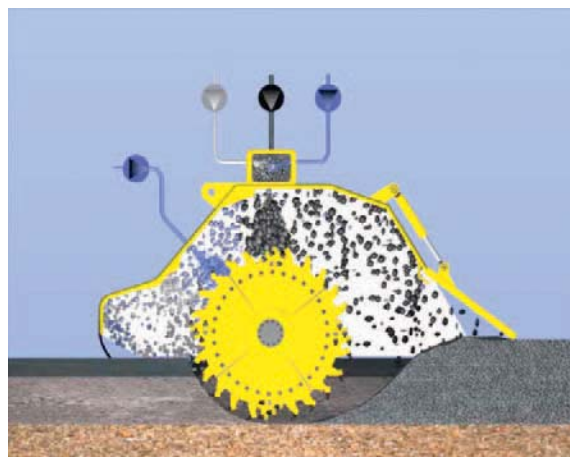


## Innovating for top quality results with bitumen.

Cold recycling is the cost-effective construction method of the future. Intelligent technology now opens new opportunities as BOMAG introduces a fully automated bitumen injection system designed to add bitumen emulsion and foamed hot bitumen. The key factor in mix-in-place recycling is mix quality. This intelligent bitumen system is setting new quality standards.

Permanent monitoring relieves the operator of this responsibility, and simultaneously guarantees the highest quality. The automatic spray bar diagnostics clean the nozzles if required, ensuring maximum uptime for 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
- Extra productivity with thermal oil heating
- High quality through 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



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

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 <sup>3</sup>		
Totals:			
Milling length	=	0 h	
Milling area	=	0 m <sup>2</sup>	
Milling volume	=	0 m <sup>3</sup>	
Milling time	=	0 h 0 min	
Mixing water	=	0 l	
Bitumen	=	0 kg	
Comment: _____			

Print-out of quality assurance data.



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 600 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 is standard equipment and 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 with compressed air on site supplied by the standard-fitted compressor. Again, high uptimes and low wear.

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

# BOMAG – pioneering for your profit.

Years of experience pay – for our users because BOMAG has been ever present on sites around the world for over 50 years.



Customer feedback from site has shaped ideas and driven innovation. However, innovation is not an end in itself – unless it brings a clear benefit to the user, in terms of convenience, ease of use, quality of work, reliability, cost-effectiveness and productivity.



The BOMAG MPH 600 is just one of many machines and technologies which have been developed over the years by BOMAG. In fact for around 40 years BOMAG has been setting the standard in the development and manufacture of soil stabilizers. Wherever in the world this stabiliser is used, the MPH 600 never fails to impress through its overall concept and advanced design.





BOMAG MPH 600 on soil stabilisation ...



... and recycling.

## BOMAG MPH 600.

### For stabilisation work ...

Soil stabilisation has established itself as a standard technique in many countries in the last few years. However, applications vary greatly depending on local specifications. The MPH 600 meets global site requirements with the lowest operating costs in this class.

### ... and the tough demands of recycling.

On cold recycling work operating requirements are especially demanding. Here too, the MPH 600 has shown its outstanding flexibility and productivity as the dependable choice for the most challenging site demands.



In China...



...in Uganda...



... and in South Africa.

## Worldwide support.



Just ask and our site specialists will be there to help.

As global specialist on earthworks and road construction, BOMAG offers strategic support for every application, with operator training, consultancy on projects in the planning phase, or practical on-site advice and guidance. Our experience and wide applicational expertise are your keys to success.





# BOMAG TELEMATIC.

**Every machine is just a mouse click away.**

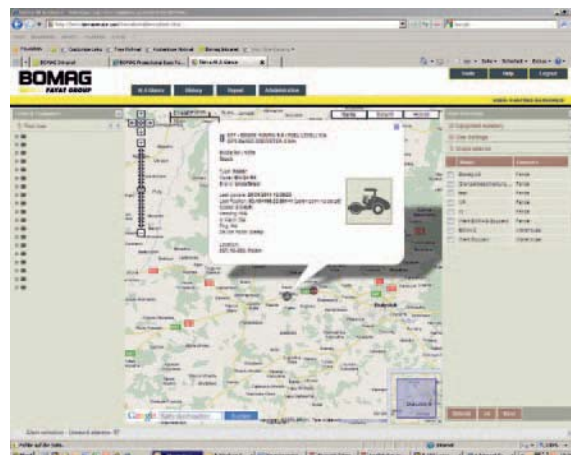
BOMAG also supports customers in the back office too. BOMAG TELEMATIC supplies key machine data at any time – e.g. operating hours and machine output – regardless of machine location.

BOMAG TELEMATIC can monitor and manage an entire fleet. Customers know 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 area at an unscheduled time.

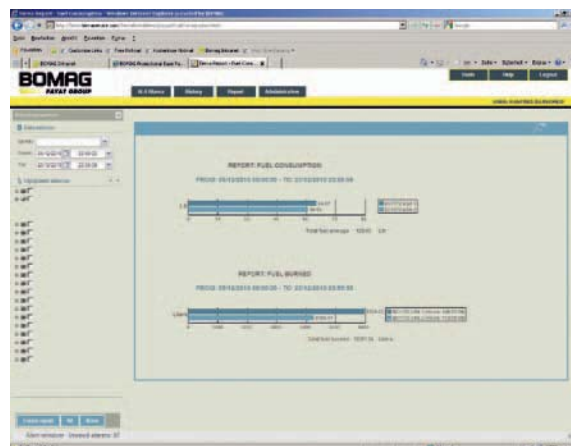
BOMAG TELEMATIC also allows fuel costs to be allocated in detail and servicing work to be planned and documented.

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 for actual fuel used
- **Flexible:** BOMAG TELEMATIC is the solution for the entire fleet: machines from other manufacturers can be readily included



Know where machines are at any time.



Fuel costs can also be allocated in detail.

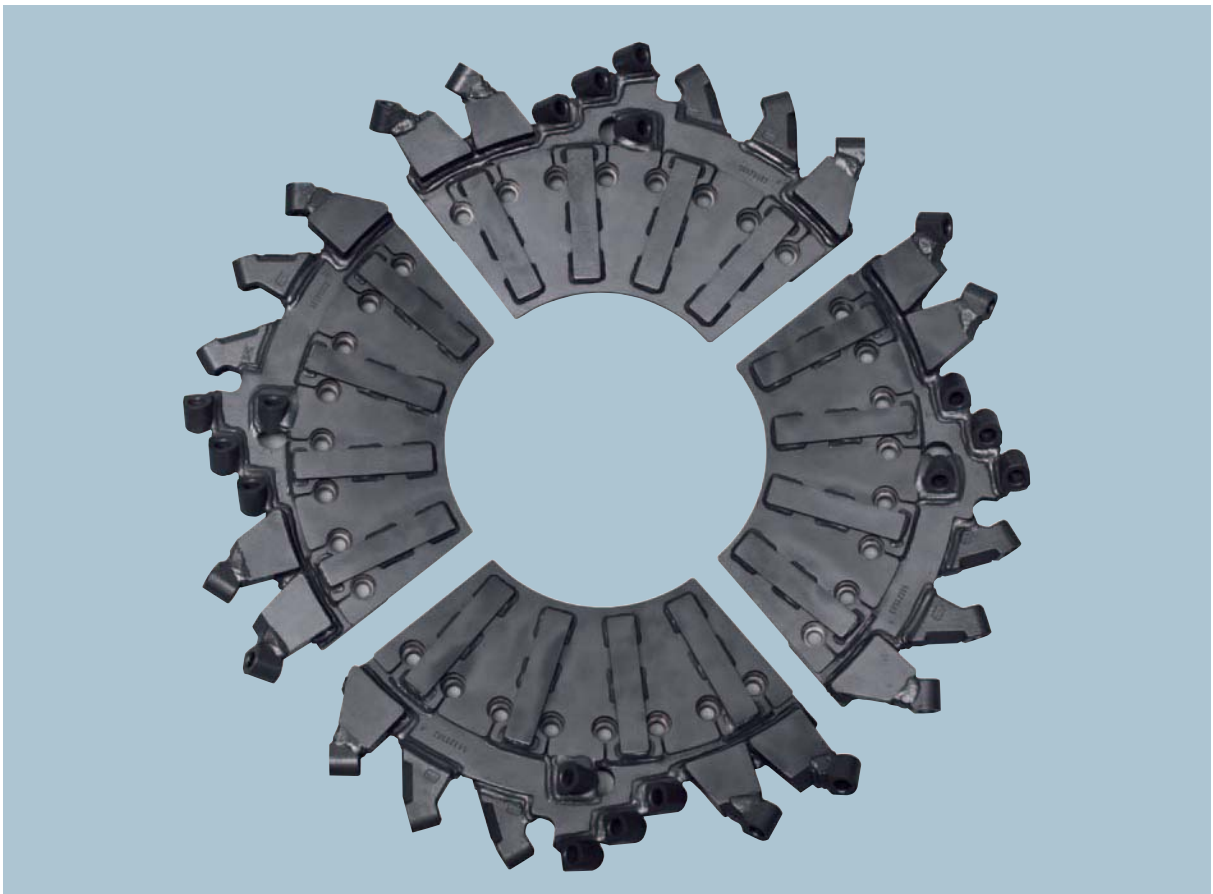
# BOMAG Service. Every part. Everywhere.



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 the hallmarks of BOMAG Service.

## **Original parts save time and money.**

BOMAG consumable parts, service kits and original spare parts ensure easy, preventive maintenance. Easy to order for optimum machine availability over the long-term. Helping save time and money.



# BOMAG MPH 600 – 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. Over this time, BOMAG has been steadily advancing standards with a stream of new ideas based on intensive research.

BOMAG is committed to environmental protection. Our aim is to protect and conserve decreasing material resources for future generations:

- Sustainability
- Recycling
- Low emissions
- Alternative energies



**Users across the world trust the BOMAG name.**

**The company has been part of the FAYAT Group since 2005. BOMAG has six branches in Germany, twelve 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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