



Series 4

The New Generation:
Single drum rollers 7–26 t.

Product Launch 2004

BOMAG



The new generation of single drum rollers.

A quantum leap in design, comfort and cost efficiency.

Yet again BOMAG engineers are redefining standards in the industry with this new range of single drum rollers. There have been no compromises in comfort, cost efficiency and reliability. Added value for users comes with increased performance in three entirely new product lines:

- D/PD single drum rollers with robust new technology and improved workstations.
- DH/PDH single drum rollers with enhanced compaction performance and gradability plus lower operating costs with BOMAG ECOMODE technology.
- BVC single drum rollers giving the highest efficiency on soil compaction by combining VARIOCONTROL and BOMAG ECOMODE technologies.

More performance. Here's how...

Series 4





BOMAG

PART-CONTROL

BO



More performance ...



... and more reliability.



DH and PDH machines:
designed for extra high level gradability.

The new design of the front frame hints at the operating advantages: clogging of the frame when compacting wet cohesive soils with the padfoot drum or with smooth drums and padfoot shell is now eliminated because the angle increases the distance to the scraper. In addition accessibility for cleaning and maintenance is easier and the operating life of the scrapers is lengthened.

Secure protection for hydraulic hoses
to the drums and vibration drive.



New scraper design: better
access – won't clog up when
compacting wet cohesive soils.



Sit back and steer. The machine does the thinking.



Everything is in view and to hand. Operating technology – easily and safely.

High performance is only delivered if the technology can be handled by the operator. No wonder then that the cab, controls and dashboard were all designed using our latest ergonomic research and ideas. Outstanding all-round vision – look back and you have 100 percent more window area. Operating switches have clearly marked functions which won't be mistaken. Space in the cockpit is increased, which means more leg room and storage capacity has been created. And the new info-centre (LCD with DH/PDH models) gives current operating status at a glance.

Long work shifts? No problem! Productivity won't drop with this comfort level. A superb working environment enhanced by the optional heating/air conditioning system. And electric screen heating keeps visibility clear.





More lighting power. Four massive headlights turn night to day.



This hood has it all ...

If opening an engine hood has been a test of strength, with BOMAG it's child's play. Weight is minimised by using DCPD (dicyclopentadiene). It is 30 percent lighter than and twice as impact-resistant as GFK. This stylish hood hints at the latent power contained within these new single drum rollers.

The integrated ventilation grille cools the engine compartment.



Faster maintenance . . .



Maintenance-free oscillating articulated joint.



Fuel consumption is reduced with BOMAG ECOMODE technology for DH/PDH single drum rollers. This is an intelligent drive management system based on load-dependent engine speed.

Access to individual components is simple. Maintenance cycles are longer and repairs quicker. This is where BOMAG designers have used their experience to cut operating costs.



Central electrics: clearly laid out, highly reliable, simple to repair.



Take it in at a glance with the new LC display (DH/PDH machines).



The BOMAG OPERATING PANEL (BOP) makes working with VARIOCONTROL child's play.

The key to cost effective compaction.

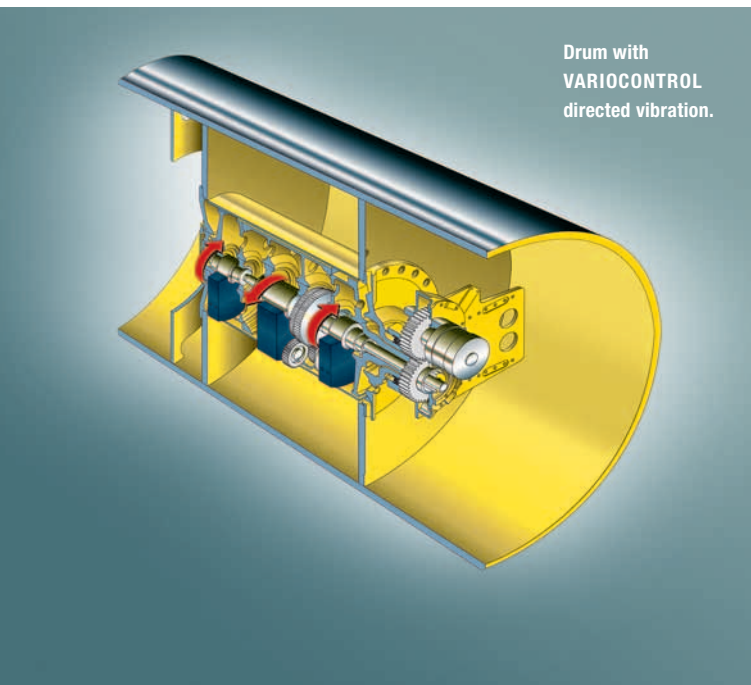
New info-centre on models in the DH/PDH series. The operating status can be checked at a glance with the new LC display. Shatter-proof, non-reflective glass prevents reflections in strong sunlight.

Compaction control technology and engineering is at the heart of these single drum rollers. This is another pillar to BOMAG's global market leadership position:

BOMAG E_{VIB} Meter (BEM): All single drum models with circular exciter can now be fitted with this option. This allows these rollers to measure soil stiffness directly in MN/m² – previously only possible with VARIOCONTROL rollers.

BTM plus and BTM prof: BOMAG Terrameter products have been optimised again with the E_{VIB} value in MN/m² and expanded functionality. Operation is via the BOMAG OPERATING PANEL (BOP).

All BOMAG compaction measuring systems can be fitted with additional features for surface dynamic compaction control with or without GPS (see our brochure "Measuring Technology").



Drum with VARIOCONTROL directed vibration.

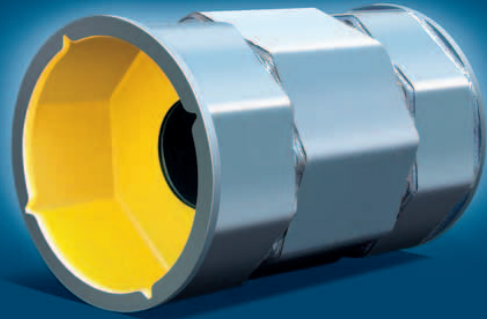
The compaction performance of new generation single drum rollers with **VARIOCONTROL technology (BVC)** are unsurpassed in the industry. This technology adjusts compaction energy automatically in response to the load bearing strength of the soil, until a defined compaction target is met. The E_{VIB} strength value expressed in MN/m² provides the compaction result.

The advantages:

- The highest cost efficiency from optimised compaction.
- Soft spots can be identified immediately and remedied.
- Automatic adjustment of amplitude gives uniform compaction over the entire site area.

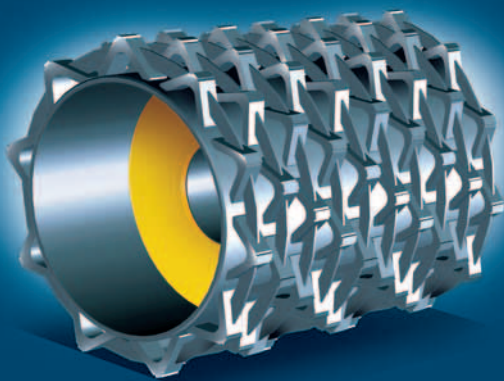
Special drum configurations.

These new single drum rollers are well suited to complex compaction tasks. Cost efficiency, performance and the ability to handle a thousand different applications around the globe characterize this new roller generation.



BOMAG polyagonal drums impart the most effective forces to the soil. Layer thicknesses on granular and cohesive soils can be increased by 100 %.

Rock crushing drums. Crushes and compacts rock materials in one process.



Multi Plate system: hooking up, plate installation arrangement and detachment is now quicker and easier.





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