STATE OF THE ART
ERGONOMICS.

BOMAG PIVOT-STEERED TANDEM ROLLERS.
MILLIONS OF KILOMETERS
BEAR OUR MARK.

Better roads for smoother travel. And for better roads, we build the best machines. Part of the global leading FAYAT Group, BOMAG supplies equipment for all road construction applications: from soil compactors to cold planers and recyclers, from asphalt rollers to pavers. We have helped to write road construction history for over 60 years, and with our cumulative expertise we drive innovation and set the pace of an entire industry.

BOMAG has developed a large number of technologies, ranging from systems for measuring and controlling compaction (such as the ECONOMIZER and ASPHALT MANAGER 2) to technologies for reducing operating costs (such as Ecomode) and the most effective screed heating system on the market: MAGMALIFE. We have solutions for a huge variety of applications.

Specialists working around the world and partners in more than 120 countries are on hand to support you, from the fitting out of machines to solving the most demanding challenges.

We owe our power of innovation to more than 2,000 employees worldwide, their commitment and unique experience. This expertise has made us the world market leader in compaction. Driven by our unconditional commitment to quality: during product development and production, in training our employees, and in providing a level of service which guarantees only the best on-site support.
ASPHALT COMPACTION USING THE SKILLS OF BOMAG SPECIALISTS.

Better by design. Based upon this principle, BOMAG has been developing, designing and manufacturing compaction equipment for 60 years. Our engineers are dedicated to making each new model generation even better, more cost-effective and more productive than before. Always with one aim: every BOMAG machine must work more efficiently, with better handling and with higher performance.

We keep close to our customers, to help us deliver solutions offering higher productivity, allowing you to complete every project precisely according to specification.

With ECONOMIZER, TanGO 4 and ASPHALT MANAGER 2 we are setting another benchmark and demonstrating that true innovation must always lead to real benefits: It is not simply because something is technically feasible that we make progress, but rather what is practically valid for the job in hand.
You can depend on the expertise of BOMAG design engineers and on the high service levels provided by our sales network. And you can always rely on legendary BOMAG quality. Because at BOMAG have one key goal: to increase your productivity.
360° COMPACTION: TANGO⁴ AND ASPHALT MANAGER.
FLEXIBLE, INTELLIGENT AND EASY COMPACTION.

SMOOTH ROLLING
- Clear labelling
- Clear dashboard layout
- Easy handling
- For the best workmanship

UNRIVALLED ECONOMY.
- BOMAG quality: A sound investment
- ECOMODE and ECOSTOP minimise fuel consumption
- High resale value
ASPHALT MANAGER 2:

**PRECISE DOCUMENTATION.**
- Accurate data with ASPHALT MANAGER 2 with E\(V_{\text{IS}}\)
- The ECONOMIZER produces optimum compaction
- Well documented compaction using BCM

**PATENTED STEERING.**
- Five steering modes
- Unique automatic steering facility
- Ergonomic mini steering wheel
A machine is only as good as its driver. With a BOMAG tandem roller drivers always feel at home. Satisfied drivers are more productive.

A CLEAR OUTLOOK.
The operating concept of a BOMAG tandem roller with sliding seat and folding window always gives an unobstructed view to the drum edges. Drivers can work along walls safely because no parts of the cab or roller project over the sides. Up to six adjustable mirrors and an optional reversing camera allow operators to keep an eye on everything.

ROOM TO MOVE.
The generous cab space ensures relaxed working, even on long working days. The powerful heater, or optional air conditioning, keep things comfortable and windscreen free of condensation. Everything safely stored: There is a separate location for a cool bag with a belt and a 12V socket.

With a sophisticated seat mechanism, the floor is completely enclosed and covered with non-slip rubber matting. This makes cleaning easier.

NO MYSTERIES HERE.
Safe operation when drivers change too: Self-explanatory operation is clearly marked and switch settings are readily understood. Displays give information about the operating status of the machine with clear symbols.

PROVIDING FOR INDIVIDUALITY.
A good roller adapts to the driver and not vice versa. Using the wide range of adjustment options for the seat and the controls, everything’s a perfect fit.

ROOM FOR THE SPECIALISTS.
The optional reversing camera keeps the site in view. Plentiful adjustment options for the seat and the operator controls.
WHEREVER YOU FIND BOMAG, YOU FIND PRODUCT LEADERSHIP!
Operators can rotate the seat by 270° and slide the unit across the full width of the cab. There’s no “back” and “front” any more. For chip spreading or compacting edges: The seating position and the view are always perfect. Using the optional second control unit, operators see all available seating positions.
Every job is different. Different sites bring new challenges. This is why the right technology matters most! BOMAG allows you choose yourself – to match your operation and your jobs. We will always have the right technology for your next job. From a single source.

**THE CONVENTIONAL CHOICE: DOUBLE VIBRATION.**
By providing two individually switchable amplitudes per drum, this technology covers a wide range of applications. Legendary BOMAG quality is always standard with every machine and equipment options match every job requirement.

**FOR SENSITIVE WORK: TANGO.**
TanGO⁴ oscillation by BOMAG is used wherever sensitive compaction is required. High wear-resistant drums and a warranty of 6,000 operating hours always keep you on the safe side. Exclusively from BOMAG: TanGO⁴ with split drums.

**FOR THE HIGHEST VERSATILITY:**
**ASPHALT MANAGER 2.**
Exclusively from BOMAG. You can depend totally on this system. Just enter the layer thickness and off you go. Work is now controlled by the ASPHALT MANAGER: the subsoil, degree of compaction, temperature, and control of the direction of vibration. Relaxed drivers can now just concentrate on the rolling pattern and the other operators in a team operation.

Which manufacturer offers a choice of three vibration systems? BOMAG. Because BOMAG knows what every specialist contractor needs.
HIGHEST QUALITY.
Others talk about quality. BOMAG guarantees quality: The drums of Tango and ASPHALT MANAGER 2 are manufactured from high wear-resistant fine-grained steel. This means BOMAG can guarantee a service life of at least 6,000 hours. Pretty impressive!
**THE TECHNOLOGY FOR SENSITIVE JOBS. TANGO⁴.**

*BOMAG oscillation: With a split drum – without belts. TanGO⁴ is the best choice for jobs where sensitive compaction is needed.*

**SIMPLY SPECIAL.**

Using TanGO⁴, you can compact safely, e.g. on seams (hot to cold), on bridges, or near buildings. At the same time TanGO⁴ is extremely easy to operate: There is only one amplitude which is the optimum for any application.

**ALWAYS CAREFUL.**

BOMAG tandem rollers with TanGO⁴ always compact with care. The drum cannot bounce, because TanGO⁴ always works tangentially to the surface. This has two advantages: On one hand, the action does not cause aggregate crushing; on the other, no bow waves are generated, even at higher working speeds. The TanGO⁴ drum is at the rear of the machine whereas the front vibrating drum can be used to process thicker layers or stiffer mixes.

**UNIQUE: OSCILLATION WITH A SPLIT DRUM.**

New and exclusive to BOMAG: Oscillation with a split drum. Split drums are essential for pivot-steered rollers. This is the only way to utilise the wide steering angle without causing damage to the surface. Conventional oscillation drums can’t do this. Their operating principle dictates that they can only be combined with a rigid drum. With TanGO⁴, BOMAG redefines oscillation: Split drums are standard here. Only BOMAG offers this!

**UNIQUE: NO BELTS = NO MAINTENANCE.**

TanGO⁴ is the only oscillation system that completely eliminates belts. Costly maintenance work or failures are a thing of the past. Saving time and money.
Different construction sites. Different surface layers. Different crews. ASPHALT MANAGER 2 (AM 2) has been developed by BOMAG to make everyday work easier. With the AM 2, every operator will produce optimum and, above all, economical compaction results every time and on any subsoil.

Plus: AM 2 is easy to operate: The operator simply selects the layer thickness and the rest is handled automatically by AM 2. No other system is as flexible as AM 2: With variable amplitude, work can be both high-powered and very sensitive. On every application, the right force is applied in the right direction: with maximum power and as sensitively as necessary. The quickest compaction is produced on difficult to compact materials. And in oscillation mode, AM 2 deals with all sensitive applications.

QUICKER AND RELIABLE COST-CUTTING.

With AM 2, fewer passes are required: this saves time and fuel. Towards the end of compaction when asphalt has cooled, the amplitude is reduced, which automatically prevents the roller from crushing aggregates. All parameters (stiffness, amplitude, temperature) and the end of compaction are permanently displayed for the operator. For work in sensitive areas, such as on bridges or seams, the amplitude can be limited manually.
Also unique: AM 2 automatically matches the direction of vibration to the travel direction. This prevents the formation of bow waves. At standstill, AM 2 automatically switches to horizontal vibration. This prevents drums digging into the mat while, at the same time, giving very short response times when restarting rolling.

Clear display: you see all values at all times, preselection of layer thicknesses at the push of a button.
THE BEST WORK IS MEASURABLE.

When has full compaction been reached? Only an operator who knows the degree of compaction makes the right decision. Because today there is no time for unnecessary passes. BOMAG is the pioneer in compaction measuring technology, which today helps many machines achieve optimum compaction results to cut times and costs. Minimum passes with maximum compaction.

IN THE RIGHT DIRECTION.

With rollers with vibration or TanGO4, ECONOMIZER navigates to the best possible outcome. Just keep rolling until the light strip stops getting bigger. Operation is simple because no activation or calibration is needed. A warning light indicates possible over-compaction in good time.

IT CAN’T GET ANY MORE PRECISE THAN THAT.

In machines with ASPHALT MANAGER 2, the $E_{\text{VIB}}$ value provides even more precise data. $E_{\text{VIB}}$ correlates directly with the stiffness of the asphalt and is indicated in MN/m². Only $E_{\text{VIB}}$ offers an absolute measurement instead of a relative one: By matching the $E_{\text{VIB}}$ and density measurements, operators can carry out compaction to target values.

BOMAG 4.0: CCC INTERFACE

Exclusively from BOMAG: The universal interface allows transfer of compaction parameters to any evaluation systems. Easy and flexible! No need to retrofit sensors.

BCM: COMPACTION PERFECTLY DOCUMENTED.

Many public tenders today require complete documentation of all works. BOMAG BCM (BOMAG Compaction Management) helps provide watertight documentation of the entire compaction process: A robust tablet PC in the cab and the BOMAG StarFire GPS receiver are part of the BCM. Based on GPS-data, the system generates complete continuous compaction charts in real-time.

BOMAG measuring technology increases efficiency and quality: optimum compaction with as few passes as possible. BOMAG makes all things clear.

Look at compaction from a new angle: the ECONOMIZER.

ASPHALT MANAGER 2: Everything in view.
CHOOSE FROM THREE VERSIONS:

BCM START.
The system shows the number of passes and the asphalt temperature. Using a freely definable colour scale, the operator immediately sees where further passes are required. When compaction is finished, the compacted area appears in green and the driver is sure that each area has been compacted. All data is saved and can be provided to the client or the monitoring body as a PDF file. BCM start is a practical Plug & Play solution for mixed fleets too.

BCM 05.
With BCM 05, the $E_{VIB}$ stiffness values that ASPHALT MANAGER 2 measured are additionally documented in MN/m². The $E_{VIB}$ value correlates with the asphalt density. This now makes accurate weak spot analysis possible and a reduction in other test methods. BCM 05, BOMAG ASPHALT MANAGER 2 is the complete quality assurance tool.

BCM NET.
Asphalt rollers often work in interconnected operations. With BCM net, rollers are networked with one other. Each driver is able to see the passes, temperatures and $E_{VIB}$ values (with AM 2) of all the machines in different colours in real-time. This optimizes the rolling pattern even if one roller is filling water tanks, for example. With BCM net all data is of course also saved for later evaluation too. Even machines from different manufacturers can be integrated.
The generous crabwalk is activated in two ways:
- Directly by means of the travel lever
- By preselecting using the rotary switch

On bends, the patented BOMAG steering system reduces the crabwalk automatically when turning. This means the roller will always travel safely and precisely along the edge without manual corrections.

The electrical miniature steering wheel in the arm rest provides the highest levels of ergonomics and precision. The wheel is always in the correct position without obstructing access or views. The operator’s arm is maintained in a comfortable position on the arm rest. The BOMAG steering system can’t be beaten for sensitivity.

A BOMAG exclusive: automatic steering. Depending on the direction of travel, the system steers the respective front drum. The rear drum centres itself automatically on start-up. Takes the strain off operators when reversing and ensures unmarked surfaces.
ON NIGHT WORK.
Night-time job sites are no longer unusual. Up to 20 head lights can be fitted to the roller ex-works. In addition to the working head lights and the German Road Traffic Licensing Act-compliant lights, adjustable LED lamps on the roof provide dazzle-free all-round lighting. And there is drum edge lighting too.
DETAILS MAKE THE DIFFERENCE.

Designers need to know the practical requirements to implement them. The BOMAG AP Series was developed by talking to people who use the equipment regularly.

The water tanks are located below the cab. This offers significant benefits:
- Fill them easily without needing to climb
- A low centre of gravity giving maximum safety from overturning
- Machine does not shake due to water movement in the tank

With two pumps and triple filtering, the spray system is designed for maximum availability. The nozzles were specially developed for BOMAG. They are twist-proof, wind-protected and generate uniform spraying patterns. Whilst consuming the minimal amount of water.

MAINTENANCE: FAST.
No waiting. Just a few maintenance items. And they are easy to get at. Long service intervals and maintenance scheduling using BOMAG TELEMATIC make life easier. The exhaust gas cleaning system works without operator attention.
KNOW WHAT’S GOING ON: BOMAG TELEMATIC.

With BOMAG TELEMATIC, your machine is just a mouse click away. Retrieve location and operating data at any time to manage fleets efficiently. Automatic reports provide full transparency for consumption, idle times and potential for optimisation. Real-time mapping of service planning and history with BOMAG TELEMATIC. If required, the machine will report by e-mail. Preventing downtime. BOMAG TELEMATIC also delivers data to your existing IT technology and groups data from different sources. No need to log in to different individual systems. BOMAG TELEMATIC is the solution for the entire fleet.

IT’S GOOD TO KNOW THAT IT’S A BOMAG.
Did you know a roller of this type will process several million Euros worth of asphalt in its lifetime?

It’s not just the purchase price that is key – the factors are availability, quality and low operating costs. ECOMODE and ECOSTOP minimise fuel consumption.

BENEFITS:
- Load-dependent engine speed control results in fuel saving of up to 30%.
- Less noise eases the load on drivers and the environment.
- Idle speed shutdown reduces wear and operating hours and increases the resale value.

And BOMAG’s legendary quality will show in the superior resale value.

We meet every requirement you have for a roller. This is why BOMAG makes rollers as individual as the jobs that you use them on. We supply a wide range of options including special paintwork, seat heating, bio oil, a radio among other items: BOMAG makes more things possible. We also supply according to individual specifications.

NEW: AEMP INTERFACE
- Any manufacturers’ products in one software program
- No need to retrofit hardware
- Continue using existing software
- Direct data transfer to accounting programs

OUR SERVICE IS THERE WHEN YOU NEED IT.
BOMAG service is always ready and never far away. On our service hotline, you can speak to highly knowledgeable service staff who are there to help quickly and efficiently with questions about your machine and to arrange supply of the spare parts that you need. That’s our promise.
The precision spreader optimises the initial skid resistance of asphalt surfaces. The patented spreading screed technology guarantees uniform spreading at a defined spread rate. A slider is used to vary the spread width. This prevents material loss at the edges, track overlaps and overspreading. With the vibrating screed, wet or bituminised spreading material can be applied.

Adjusting the angle adjusts the spread rate and also makes it easy to load the roller whilst providing more space for transportation on lorries. If necessary, the spreader can be dismounted – using pallet forks, and undoing the quick coupling.

Using the optional 20 cm hydraulic lateral displacement, the spreader can side limits conveniently and safely.

### FEATURES OF BOMAG PRECISION CHIP SPREADER:

<table>
<thead>
<tr>
<th>Feature</th>
<th>BW 154</th>
<th>BW 174</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Empty weight</strong></td>
<td>560 kg</td>
<td>600 kg</td>
</tr>
<tr>
<td>(spreader with supporting frame)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Contents of hopper (max.)</strong></td>
<td>550 l</td>
<td>900 l</td>
</tr>
<tr>
<td><strong>Filling height</strong></td>
<td>1.43 m</td>
<td>1.50 m</td>
</tr>
<tr>
<td><strong>Spreading width</strong></td>
<td>max. 1.50 m</td>
<td>max. 1.80 m</td>
</tr>
<tr>
<td><strong>Slideable spreader</strong></td>
<td>–</td>
<td>+/- 20 cm</td>
</tr>
</tbody>
</table>

BS 150 and BS 180 precision chip spreaders are suitable for all conventional chippings, e.g. 2/5 and 1/3 particle size double-crushed chips as well as crushed sand to particle size 0/2.
MODEL OVERVIEW.
<table>
<thead>
<tr>
<th>Model types</th>
<th>Working width [mm]</th>
<th>Approx. operating weight [t]</th>
<th>Compaction system</th>
<th>Combination roller</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW 154 AP</td>
<td>1,500</td>
<td>7.1</td>
<td>vibration</td>
<td></td>
</tr>
<tr>
<td>BW 154 APO</td>
<td>1,500</td>
<td>7.3</td>
<td>TanGO^4</td>
<td></td>
</tr>
<tr>
<td>BW 154 AP AM</td>
<td>1,500</td>
<td>7.3</td>
<td>ASPHALT MANAGER 2</td>
<td></td>
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<tr>
<td>BW 154 ACP</td>
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<td>7.2</td>
<td>vibration</td>
<td>X</td>
</tr>
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<td>BW 154 ACP AM</td>
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<td>7.4</td>
<td>ASPHALT MANAGER 2</td>
<td>X</td>
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<tr>
<td>BW 174 AP</td>
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<td>9.2</td>
<td>vibration</td>
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<td>BW 174 AP AM</td>
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<tr>
<td>BW 174 ACP</td>
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<td>vibration</td>
<td>X</td>
</tr>
<tr>
<td>BW 174 ACP AM</td>
<td>1,680</td>
<td>9.1</td>
<td>ASPHALT MANAGER 2</td>
<td>X</td>
</tr>
</tbody>
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PERFECTION DOES NOT COME BY CHANCE!

All our know-how is invested in every BOMAG tandem roller. Down to the last detail. Helping you optimise your own experience and expertise. The result: a winning partnership. Every time.