

## BF 600 Finisher.

Out-performance in the 16 to 18 ton weight class.



## BOMAG BF 600 – the new performance class.

BOMAG products embody the essence of quality, performance and efficiency. These fundamentals are the keys to BOMAG's worldwide leadership in compaction technology, and the company's ongoing development of new products and application technologies. These same qualities are present in the new BOMAG BF 600 Finisher.

- Maximum built-in width: 7.55 m
- Maximum placing capacity: 600 t/h
- Engine output: 120 kW
- Maximum placing thickness: 300 mm
- Transport width: 2.55 m
- Operating weight: 16-18 t







The design premise was: to outperform on site using the absolute minimum of technical complexity.

- HS screed – for up to 93 percent precompaction
- L.C.S. screen release – for high placement quality
- SIDEVIEW – for a perfect overview
- ECOMODE – for big fuel savings
- Operating concept – for easy machine operation
- Scraper belts – individually controllable and reversible
- Auger drives – individually controllable and reversible
- Bin flaps – individually controllable

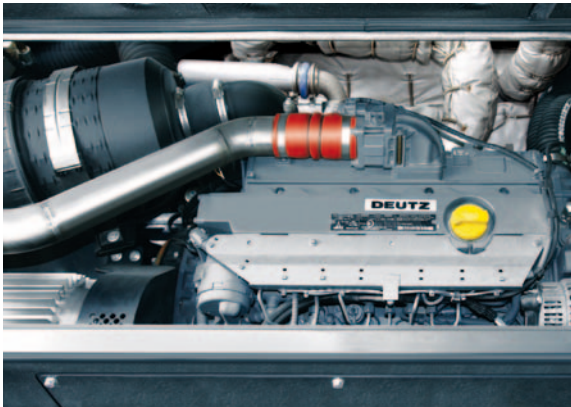


**reddot design award**  
product design

Winner of the prestigious design prize, the "red dot award: product design".  
Awarded for outstanding design, inventiveness and quality.

## Powerful drive.

In both the versatile wheel-drive model or high traction track drive unit, the BOMAG BF 600 finisher has generous power reserves plus low noise and exhaust emissions thanks to its 120 kW (163 HP) Deutz engine. The ECOMODE machine management system simultaneously makes intelligent use of power, whilst reducing fuel consumption and environmental pollution.



A generously sized cooler ensures that the engine and hydraulics are always properly cooled meaning that the paver performs flawlessly even under full load or in high ambient temperatures. Easy accessibility makes cleaning easy and quick.

The 3-phase alternator used in the BF 600 finisher is designed for high performance. 25 kW of continuous output together with the quantity and location of up to 18 heating rods means that the heat-up time for the screed is reduced to less than 30 minutes.

A generously sized cooler produces the optimum operating temperature for the engine.





### Economical and energy efficient.

The ECOMODE machine management feature plays an active role in the reduction of fuel consumption and environmental damage from CO-2 emissions. The finisher has the basic "idling" and "maximum" drive settings plus an Eco drive setting. The engine speed is reduced by selecting the Eco drive setting. This generates a power output sufficient for around 80 percent of all paving jobs.

Depending on power requirements, an automatic rpm resetting function reduces the rpm to idling or, if necessary, automatically raises the rpm to the original setting. ECOMODE can of course be disabled so that the maximum engine rpm of 2,300 is used irrespective of the required output for machine operation even the toughest site conditions.

#### Engine

- water-cooled 4-cylinder engine
- output: 120 kW (163 HP) at 2,300 min<sup>-1</sup>
- tank volume: 215 l

There are **four drive types** available for the BF 600 finisher:

- wheel-drive BF 600 P with 2x6 rear wheel drive
- wheel-drive BF 600 P with 4x6 four-wheel drive
- wheel-drive BF 600 P with 6x6 all-wheel drive
- track-drive BF 600 C with 2.7 m chain drive assembly



## Optimum material output.



With its high **12.4 t capacity**, the hopper has the reserves to handle jobs that need extra-large paving capacity.

- Top-quality, wear resistant plates increase service life and lower costs.
- Reversible scraper belts are individually controllable.
- Sturdy, distortion resistant bin flaps feature minimum curvature and are individually controllable.
- Self-adjusting push rollers for hook up to trucks and a controlled pushing force.



## Even material flow.

Each of the two individually controllable and reversible scraper belts has a mechanical sensor as standard which controls the scraper belt depending on the chosen material volume. This provides high paving capacity and a controlled material flow. Naturally the BF 600 finisher can be equipped with ultrasound sensors as well, by request.

Supplied as standard are two ultrasound sensors on the auger and two channel plates in the auger tunnel. This ensures even material distribution and prevents unwanted build-up of material in front of the board. Exceptionally uniform paving is achieved with the stressed smooth steel skins measuring up to 400 millimetres in length.

The scraper belts run on wear resistant plates which makes them highly durable. The augers have cast auger wings which can be individually replaced when needed. This not only makes servicing easier but generates considerable cost benefits too. Customers have the option of specifying a hydraulic adjuster in addition to the standard mechanical auger height adjuster.

The screed itself is operated easily and intuitively either from a main or side-mounted operator station. The side-mounted operator station can also be set by a potentiometer on the respective auger sensor.



## The screed provides excellent precompaction.

The screed is at the heart of every finisher and is where BOMAG's know-how with high compaction and uniform paving pays off. The outstanding performance of the BF 600 is based on BOMAG's experience in compaction technology.

In practice this means: The BF 600 produces **pre-compaction of up to 93 percent** – with a

standard ground screed and a maximum layer thickness of 300 mm. The BOMAG BF 600 delivers superior performance without the disadvantages of high technical complexity. BOMAG screeds are simple in design and heavy-duty in construction.

True for each one of the four screed types available in this series.





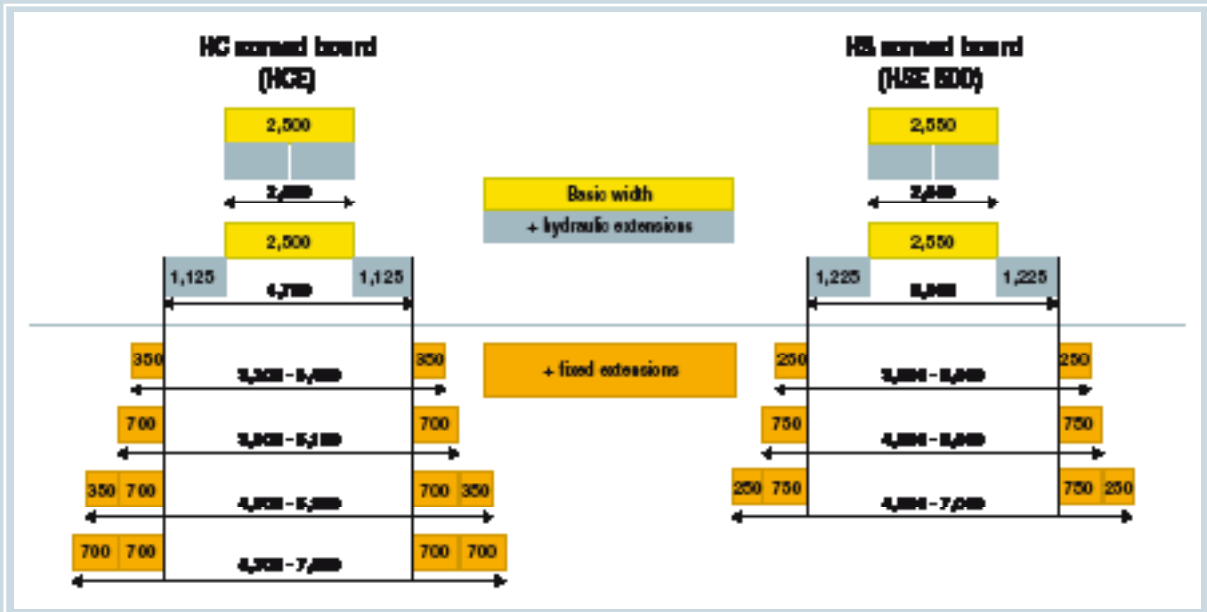
**Four screed versions for all requirements.**



	HCE screed board	HSE 500
Heating technology	Electric	Electric
Basic widths	2,50 - 4,75 m	2,55 - 5,00 m

**Maximum quality using variable screed widths\***

Each screed has both a fully automated temperature monitor and side-extensions powered by hydraulics. The working width of each screed can also be extended using other attachment modules to a maximum width of up to 7.55 metres on the track-drive version or 6.85 metres on the wheel-drive version.



\*All measurements are in millimetres.

The **heating generator** with a continuous output of 25 kW cuts the heat-up time of the heating rods to just 20 to 30 minutes.

400 millimetre long stressed **smooth steel skins** produces superior uniformity in the asphalt layer.

## Simple operation.

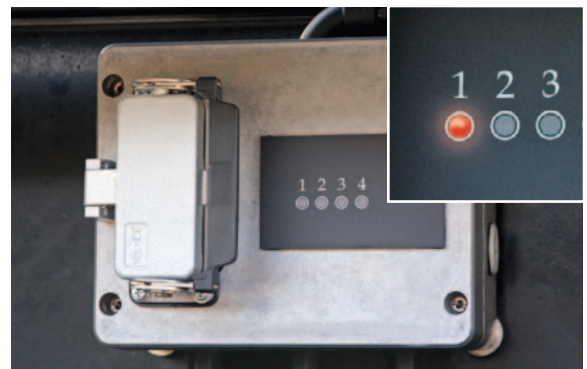
- **L.C.S.** for automatic control of the screed and to boost start-up traction. Under control of the paving crew, the screed can be automatically released or locked during work breaks and precisely adjusted to different material thicknesses. The screed heating system can also be adjusted and monitored.
- **Tamper and vibration frequency** can be set from the driver's station. The auger sensor can also be activated from the side operating positions with a potentiometer.
- The HSE electric screed has **16 heating rods** as well as two optional heated side plates. The operation of each heating rod is constantly monitored by LED displays. Advantage: Functions can be individually monitored.
- **All-round lighting**  
The BF 600 finisher has a powerful all-round lighting system as standard – only available from BOMAG. Four lights on the roof and four bin and screed lights for perfect all-round visibility even at night.



Central screed operator station



Side-mounted screed operator station



LED display monitors the heating rods



Standard all-round lighting





Unobstructed view onto the guide rod



Operating console with individual switches



The grading system

■ **SIDEVIEW**

Seat and operator station for a maxi-adaptable unit. The entire operator station can be extended laterally to an overhang of 60 cm.

Advantage: the driver maintains perfect visibility to the bin, travel drive and screed and always remains protected against weather by the high quality roof feature.

■ **Operating console**

No unnecessary switches, no endless information screens with complicated navigation menus, no awkward or service-intensive control panels. Instead BOMAG offers robust technology well proven on tough site work. Here's a good example: interchangeable toggle switches designed to cut replacement costs and save time.

■ **Grading system**

In addition to the operating console on the driver's station, the paving height and transverse inclination can also be regulated by a grading system operated by the paving crew. The interface for grading is an add-on system and supports the BOMAG unit but also allows the use of other types of system – available as an option with electro-mechanical sensors, ultrasound or also laser sensors.





**Perfect comfort.**

Thanks to its generous size, the finisher's **operator platform** provides perfect visibility to the site, the bin, indicators, drive wheels and the screed. Since the platform only mounts one seat there is ample room for storage. The driver also has the entire auger tunnel in sight from the operating position, which means material flow can be permanently monitored.

Comfort requires individual adjustment, which is why the BOMAG BF 600 **deluxe seat** has a number of ways to achieve the ultimate in seating comfort for every driver. The BOMAG deluxe seat can be turned, shifted or adjusted in height to suit all operators.

The BOMAG finisher is the only unit on the market to be able to eliminate a second seat as the entire driver's station (SIDEVIEW) and seating unit (comprising operating console and deluxe seat) can be moved sideways. Option: seat heating for added comfort.

The **operating console** is designed to the highest ergonomic standard for ease of operation and instinctive handling. Practicality: the hood provides vandal protection. It is fitted with a hinged lid that does not require to be stowed during operation.





Easy maintenance and servicing are top of the list on the BF 600 specification sheet. BOMAG designers took this into account in the early stages of development to allow quick and easy access to all areas of the machine.

A **central key** provides access to all operating areas of the machine.

The engine compartment is accessible from four sides. The same applies to the central hydraulic system with its generously-sized openings. Servicing begins immediately with no need for preliminary work.



Compact transportation: The roof can be hydraulically lowered and also offers protection to the driver's station against weather and vandalism on site and during transport.



## BOMAG BF 600: The No 1 choice.

The BOMAG BF 600 finisher has already made its mark on every type of site: in inner-city areas in tight conditions and work on multi-lane motorways. The paver combines both precise paving with unbeatable driver comfort and economy.

### Precise paving:

- high capacity of up to 600 t/h
- 40 cm long stressed smooth steel skins for outstanding evenness
- precompaction of up to 93 percent
- outstanding traction and screed adjustment thanks to L.C.S.

### Real comfort:

- easy and intuitive operating concept
- SIDEVIEW for unobstructed all-round visibility from the driver's station
- multiple seat settings for stress-free operation
- easy access to all service areas

### A new way to cut costs:

- reduced fuel consumption with ECOMODE
- efficient screed heating for fast start-up
- exchangeable components save time and cut the cost of servicing
- rapid supply of spare parts through the extensive BOMAG dealer and service network

Customers throughout the world trust the BOMAG name.

The company has been part of the FAYAT Group since 2005. BOMAG has six branches in Germany as well as eleven independent subsidiary companies across the globe. More than 500 dealers in over 120 countries guarantee world distribution of BOMAG products and service.







### Options:

Special solutions for every job: BOMAG offers a wide range of optional equipment and extensions for the BF 600 finisher.

- a grading system for vertical and horizontal sensing (optional ultrasound or mechanical sensors)
- heated side plates for the HCE 500/HSE 500 electric screed
- tow skis in lengths of 6.00 and 9.00 metres for mechanical sensors
- large skis in lengths of up to 9.00 metres and up to 12.00 metres for ultrasound sensors
- laser skis with a sensor length of up to 12.00 metres
- hydraulically adjustable roof profile (standard in connection with the HS screed)
- screed extensions for built-in widths of up to 7.55 metres – heated either electrically or by gas
- reduction pads for built-in widths of up to 1.90 metres
- auger drivers with hydraulic height adjustment, available on request
- straight seam heating
- 4x6 and 6x6 drive for the BF 600 P wheel-drive finisher



Large skis



Grading system

Head Office / Hauptsitz:  
BOMAG  
Hellerwald  
56154 Boppard  
GERMANY  
Tel. +49 6742 100-0  
Fax +49 6742 3090  
info@bomag.com

BOMAG Maschinen-  
handelsgesellschaft m.b.H.  
Porschestraße 9  
1230 Wien  
AUSTRIA  
Tel. +43 1 69040-0  
Fax +43 1 69040-20  
austria@bomag.com

BOMAG (CANADA), INC.  
3455 Semenyk Court  
Mississauga, Ontario L5C 4P9  
CANADA  
Tel. +1 905 361 9961  
Fax +1 905 361 9962  
canada@bomag.com

BOMAG (CHINA)  
Compaction Machinery Co. Ltd.  
No. 2808 West Huancheng Road  
Shanghai Comprehensive  
Industrial Zone (Fengxian)  
Shanghai 201401  
CHINA  
Tel. +86 21 33655566  
Fax +86 21 33655508  
china@bomag.com

BOMA Equipment  
Hong Kong LTD  
Room 1003, 10/F Cham Centre  
700, Castle Peak Road  
Kowloon  
HONG KONG  
Tel. +852 2721 6363  
Fax +852 2721 3212  
bomahk@bomag.com

BOMAG France S.A.S.  
2, avenue du Général de Gaulle  
91170 Viry-Châtillon  
FRANCE  
Tel. +33 1 69578600  
Fax +33 1 69962660  
france@bomag.com

BOMAG (GREAT BRITAIN), LTD.  
Sheldon Way  
Larkfield, Aylesford  
Kent ME20 6SE  
GREAT BRITAIN  
Tel. +44 1622 716611  
Fax +44 1622 718385  
gb@bomag.com

BOMAG Italia Srl.  
Via Roma 50  
48011 Alfonsine  
ITALY  
Tel. +39 0544 864235  
Fax +39 0544-864367  
italy@bomag.com

FAYAT BOMAG Polska Sp. z o.o.  
Ul. Szyszkowa 52  
02-285 Warszawa  
POLAND  
Tel. +48 22 482 0400  
Fax +48 22 482 04 01  
poland@bomag.com

FAYAT BOMAG RUS 000  
141400, RF, Moscow region  
Khimki, Klayazma block, h. 1-g  
RUSSIA  
Tel. +7 (495) 287 92 90  
Fax +7 (495) 287 92 91  
russia@bomag.com

BOMAG GmbH  
300 Beach Road  
The Concourse, #18-06  
Singapore 199555  
SINGAPORE  
Tel. +65 6 294 1277  
Fax +65 6 294 1377  
singapore@bomag.com

BOMAG Americas, Inc.  
2000 Kentville Road  
Kewanee, Illinois 61443  
U.S.A.  
Tel. +1 309 8533571  
Fax +1 309 8520350  
usa@bomag.com

