

The heavy weight champion.



**BF 800**



## BF 800 main specification.

- ◆ **Paving capacity:** up to 800 t/h
- ◆ **High output Deutz engine:** rated at 135 kW
- ◆ **Operating weight:** 20-21 t class
- ◆ **Two high performance screeds:**  
S 500 (2,5-5,0 m) and S 600 (3,0-6,0 m)
- ◆ **Paving widths:** from 2,5 m up to 10 m
- ◆ **Paving speed:**  
up to 25 m/min (on crawlers) and up to 45 m/min (on wheels)
- ◆ **Travel speed:**  
up to 4,5 Km/h (on crawlers) and up to 15 Km/h (on wheels)
- ◆ **Transport width:** 2,55 m (S 500 screed);  
3,0 m (S 600 screed)
- ◆ **Maximum layer thickness:** 30 cm





# Intelligent Technology: Easy on the machine and easy on your pocket.

## **BOMAG SIDEVIEW Operator Platform**

- ◆ best visibility around the paver, into the hopper and to the augers, on every type of site
- ◆ optimum protection of the operator

## **User-friendly operating environment**

- ◆ each function uses assigned switch
- ◆ even inexperienced operators will master this model in just a few hours

## **Powerful drive**

- ◆ the longest crawlers in its class and the 6x6 (All-Wheel-Drive) guarantee maximum traction

## **Low noise, reduced fuel consumption**

- ◆ the high-output engine provides high power and low noise
- ◆ BOMAG ECOMODE makes intelligent use of power to reduce fuel consumption, noise levels and environmental pollution

## **High performance screeds**

- ◆ the high mass guarantees high precompaction values up to 95 % with just one tamper bar

## **Longest screed plate in its class**

- ◆ for a smoother surface profile and increased uniformity

## **Innovative screed heating system**

- ◆ more uniformity of heat distribution
- ◆ faster heating-up phase
- ◆ longer working life of heating elements

## **Quick connect system for screed extensions**

- ◆ faster installation of extensions
- ◆ 2-man installation of 9-10 m extensions in under 4 hours
- ◆ significantly reduced preparation times

## **Interchangeable screed extensions S 500 and S 600**

- ◆ identical extension boxes for S 500 and S 600 screeds
- ◆ more flexibility and better utilization of paver fleets

## **Service friendly paver design**

- ◆ fast and easy maintenance and repair
- ◆ no need for expensive electronic component replacement
- ◆ high availability of BOMAG spare parts



# BOMAG High performance screeds.

The screed is the heart of every paver and BOMAG has developed innovative high performance screeds which provide excellent pavement quality on all types of work from repairs up to highways or airports.



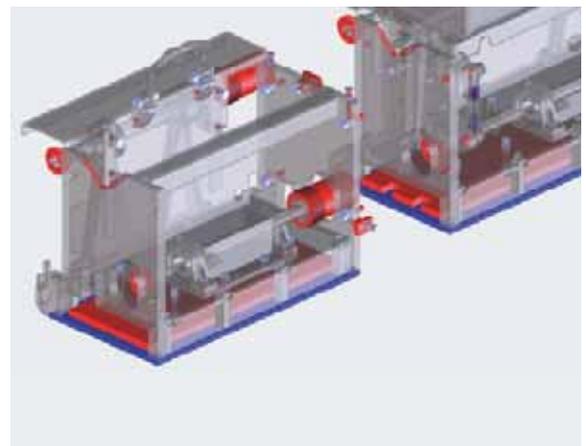
## BOMAG S 500 screed

- ◆ Infinitely variable paving width from 2,5 m to 5,0 m
- ◆ Larger paving widths using mechanical extensions up to a maximum of 9 m
- ◆ Interchangeable mechanical extensions with S 600
- ◆ Electric heating with cast aluminium plates
- ◆ Pre-compaction with vibrators and single tamper bar

## BOMAG S 600 screed

- ◆ Infinitely variable paving widths from 3,0 m to 6,0 m
- ◆ Larger paving widths using mechanical extensions up to a maximum of 10 m
- ◆ Interchangeable mechanical extensions with S 500
- ◆ Electric heating with cast aluminium plates
- ◆ Pre-compaction with vibrators and single tamper bar

- ◆ BOMAG high performance S 500 and S 600 screeds feature a very robust design concept.
- ◆ The heaviest screeds in their class, BOMAG S 500 and S 600 (equipped with vibrators and one tamper bar) guarantee high pre-compaction values (up to 95 %).
- ◆ The longest screed plate (400 mm) in this class ensures the best surface quality, smoothness and uniformity.





### Innovative electric heating system with cast aluminium plates:

- ◆ uniform heat distribution to the screed plate
- ◆ faster heating times, even with maximum screed extensions
- ◆ significantly longer working life of heating elements compared to traditional systems with normal resistance.



The **powerful heating generator** with a continuous output of 30 kW and the energy efficient aluminium plates cut heating times to 30 minutes even with mechanical extensions.

The heat-up phase runs at low engine rpm, significantly reducing noise and fuel consumption.



BOMAG high performance S 500 and S 600 screeds feature an **innovative quick connection system** for the mechanical extensions.

2-man installation of 9-10 m extensions for both screeds in under 4 hours



All mechanical extensions are interchangeable between the two screeds, meaning the utilization of paver fleets can be highly optimized.

Walkway with vibration absorbers and tool holders makes screed operation more comfortable and tools stored securely.



Grown adjustment from -2,5 % up to + 4,5 %.

# BOMAG Drive System.



## Powerful low-noise drive

On both the high-traction tracked unit and the versatile high-speed wheeled model, the BOMAG BF 800 offers **optimum power output, low-noise and low fuel consumption.**

## Economy and energy efficiency

The BOMAG ECOMODE system makes intelligent use of power, reducing fuel consumption, noise levels and environmental pollution from CO<sub>2</sub> emissions.

The BF 800 paver has three paving modes. The BOMAG ECOMODE optimizes the engine speed in accordance with the power demand and benefits more than 80 % of all jobsites.





The BOMAG hydraulic system guarantees very **high energy efficiency** and significantly reduces fuel consumption and exhaust emissions.

The hydraulic system design (pressure control circuits for secondary functions and closed circuits for all other working functions ) provides the exact power needed for every job.

**The 6x6-All-Wheel-Drive system (as standard)** combines two great advantages:

- ◆ maximum traction even with the wheeled unit
- ◆ high mobility and easy self-propelled transport

The high paving speed up to 45 m/min and the capability to work up to 9 m means efficient operation and fast completion times.

**The longest crawlers in this paver class** guarantee high traction and optimum stability for an improved surface finish.

The high paving speed up to 25 m/min and up to 10 m paving width offers efficient operation and rapid completion times.



# Optimum Material Flow.

The material feed and flow on the BOMAG BF 800 is designed for maximum performance.

The BOMAG BF 800 has paving rates of up to 800 ton/h.

Large scale contracts such as highways, motorways, airports are completed efficiently and rapidly without wastage of time or resources.

## **Large material hopper and easy feed**

With a 15 ton capacity the hopper is amply proportioned so that adequate material quantities are available even when extra-high paving capacity is required.

With the extra **wide hopper opening**, truck feeding of material is easy, rapid and trouble-free.





The hydraulically operated hopper front flap (option) avoids spillage of material in front of the paver and redirects the material inside the hopper directly onto the slat conveyor. Transport of material to the screed is more efficient and hand work with shovels is eliminated.

#### **Efficient transfer of material to the screed**

The large sized slat conveyors are individually controllable, can be reversed and are made of top-quality highly resistant material. The powerful hydraulic motors, which drive the slat conveyor, together with the large tunnel ensure high laydown rates of up to 800 ton/h. Proportional control by ultrasonic sensors guarantees optimum flow rates which precisely match the quantity of material required in front of the screed.

#### **Optimum material distribution in front of the screed**

The large augers (400 mm) distribute the material perfectly in front of the screed, preventing segregation, even when paving across large widths. The powerful hydraulic motors, which drive the augers, ensure high laydown rates of up to 800 ton/h. Proportional control of the augers by ultrasonic sensors guarantees that the correct quantity of material is always in front of the screed. The augers can be hydraulically adjusted in height (as standard), allowing fast and easy adaptation to the required layer thickness. Auger rotation can be reversed. The auger wings can be individually replaced, for easier, cost effective maintenance.





## BOMAG SIDEVIEW: The user-friendly operator platform.

The BOMAG SIDEVIEW combines:

- ◆ laterally movable operator platform
- ◆ sliding swivel seat

for a personalised operator platform.

Multiple platform and seat positioning allows operators the best visibility around the paver, independent of job site conditions.

The BOMAG BF 800 has a powerful all-round lighting system as standard:

- ◆ four lights on the roof (two front and two rear)
- ◆ two lights to the augers
- ◆ two lights to the hopper

A balloon light is available as an option for perfect illumination at night.





### The BOMAG BF 800 features excellent visibility:

- ◆ into the hopper
- ◆ to the augers
- ◆ to the driving direction

### The best working comfort

The BOMAG SIDEVIEW operator platform guarantees:

- ◆ excellent weather protection with hardtop and optional windshield
- ◆ maximum space inside the platform
- ◆ easy and safe access to the platform via a wide entrance and ergonomically positioned steps.

### User-friendly functions

The main BOMAG dashboard and lateral screed keyboards contain all functions for easy and efficient operation of the paver and for screed adjustments.

Each function can be directly activated by switch: no need to enter sub-menus to find a desired function.

Switches are logically and ergonomically placed on the main dashboard and lateral screed keyboards. Even inexperienced operators learn how to work the paver in just a few hours, minimizing the need for training.

Operators can react easily and accurately to new job situations in comfort and without error.



# BOMAG SIDEVIEW: The user-friendly operator platform.



## High comfort operation in every situation

- ◆ The BOMAG lateral screed keyboards can be rotated to allow paving close to a wall or obstacle.
- ◆ No scratches to walls, no damage to keyboards.
- ◆ Complete comfort in every situation

## Load Control System

The BOMAG L.C.S. (Load Control System) provides:

- ◆ automatic load control of the screed
- ◆ boost start-up traction

Under the control of the paver crew, the screed can be automatically released or locked during work breaks and adjusted precisely to different material properties.

## BOMAG electric panel

- ◆ The BOMAG screed temperature control is in easy reach and readily understood by paver crews.
- ◆ The screed temperature can be set by one touch with no need to set parameters in sub-menus.
- ◆ The operation of each individual heating element is constantly monitored by LED displays.
- ◆ The electric panel includes electric sockets for tools or additional lights if needed.





### Operator seat

The BOMAG SIDEVIEW operator platform features an ergonomical seat for added comfort.

The seat is easily adjustable in:

- ◆ height
- ◆ position (forward and backward)
- ◆ angle (swiveable up to 45 degrees)
- ◆ resistance (to fit the body weight)

With a few intuitive moves the operator quickly sets an ergonomic working position.

More comfort and safety especially on long shifts.



### Anti-vandalism

The main dashboard and lateral screed keyboards can be protected by a robust lockable cover against vandalism.

The protection covers on the lateral screed boxes provide stowage space for rule, paper, pen, etc..., in the open position.

### Everything in the right place

Ample stowage space keeps the machine tidy and in top working condition.

Room for everything – and in the right place.





## BOMAG Service.

### **The BOMAG service concept ensures:**

- ◆ fast and easy maintenance and repair
- ◆ good access to all service and repair points on the paver
- ◆ high availability of original BOMAG spare parts
- ◆ optimization of common BOMAG components

Every function on the paver is directly controlled by switch. Each electro-mechanical switch can be individually replaced: no need to reinstall a complete electronic panel. Easy on the machine and easy on your pocket!

The engine compartment is accessible from four sides. The same applies to the BOMAG hydraulic system. The BOMAG filters can be readily reached through the left door.

The BOMAG central electric box is placed under the operator platform for easy access.

Everyday cleaning of the paver is easy thanks to the standard BOMAG cleaning kit.

Ecological liquid is contained in a 35 Lt tank and sprayed onto the paver by pistol. The plastic hose which connects the spray pistol to the tank is 10 meters long to reach every part of the paver.

### **Availability and reliability are the keys on site.**

For long-term availability of the paver BOMAG has created:

- ◆ wearing part kits and
- ◆ service kits

**No worries: you'll be saving time and money!**





## Easy Transportation.

The BOMAG BF 800 can be easily and safely transported:

- ◆ reduced height with lowered roof
- ◆ lashing points to safely secure the machine on the truck

The hardtop, including exhaust pipe, raises and lowers quickly and easily with a manual hydraulic pump.

The screed can be locked into transport position.

Lashing points are easy to reach and conveniently positioned around the paver, to ensure a safe attachment to the truck.



# The perfect paver for every application.



Asphalt surfacing with additional hopper on a German highway.



Binder course paving with Big Ski levelling system.



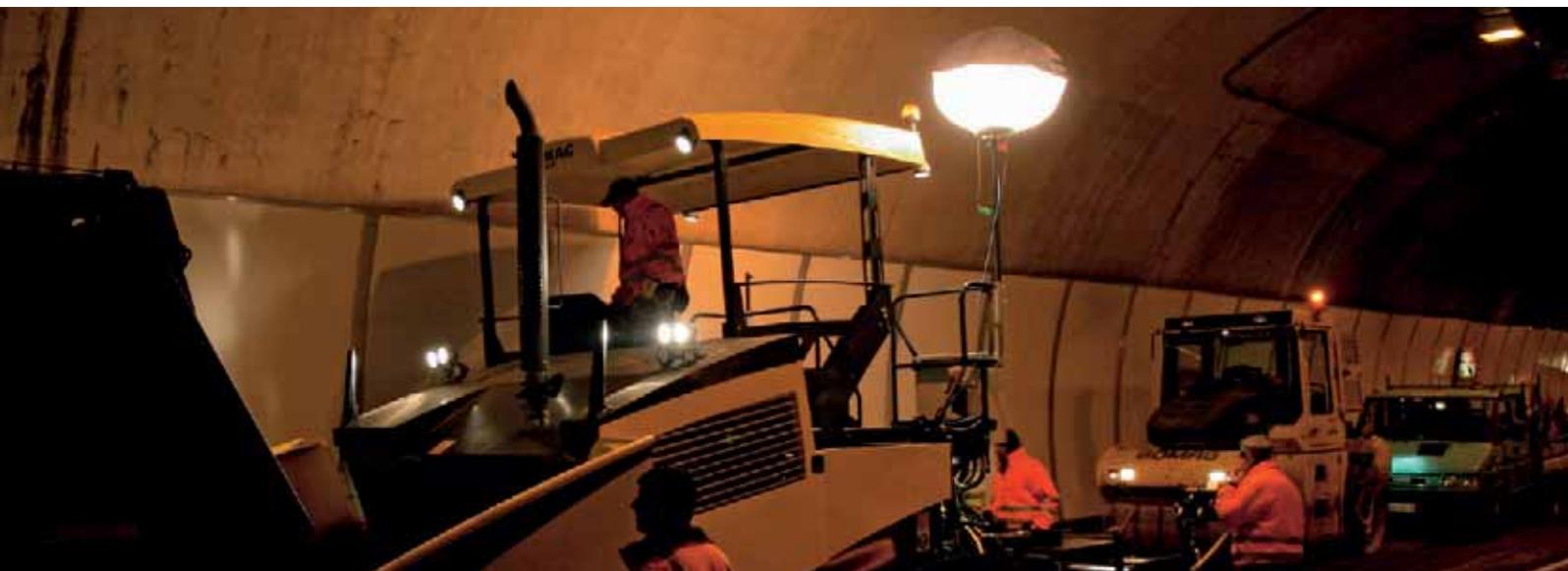
Wearing and base course paving.



A cement bound base course (d = 28 cm) for a new airport.



Paving at 10 m on a major road project.



Night-time work with the BOMAG lighting system and a balloon light.



## The special Soil Version.

One of the most demanding challenge for a paver is to lay thick and wide layers of cement bound or soil materials using hard aggregates (for example: dolomites) in the construction of new roads or other infrastructure work.

This is no problem for the BOMAG BF 800C Soil Version developed for this application:

- ◆ the hydraulic motors for the conveyor belts and augers are extremely powerful to ensure optimum material flow with this difficult material.
- ◆ there is no screed heating system or electric generator – not needed with cold material
- ◆ no spraying kit for cleaning liquid: this model paver is not used with adhesive asphalt.

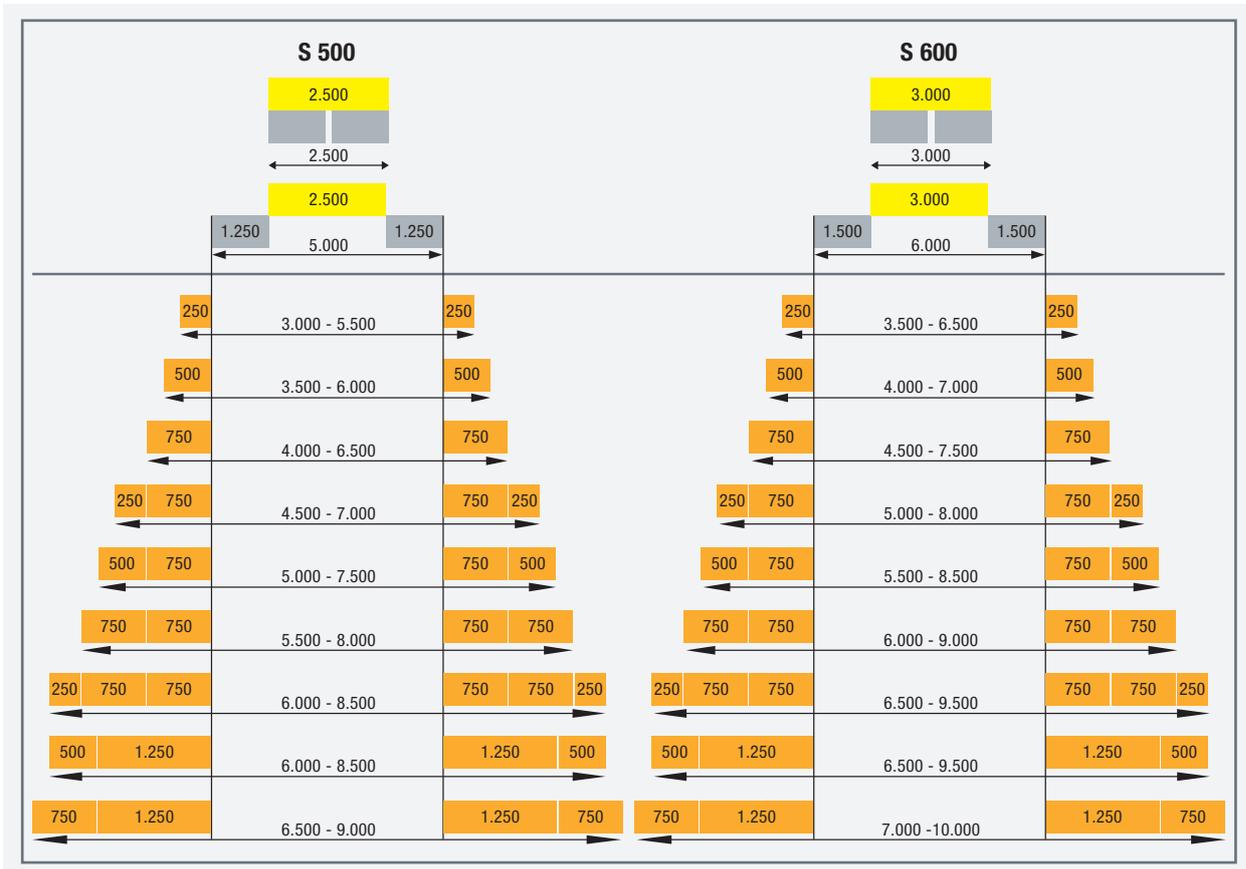


# Standard Features ...

The BOMAG BF 800 paver includes the following standard features:

- ◆ 8 working lights (2 on the front of the roof, 2 in the rear of the roof, 2 to the hopper, 2 to the augers)
- ◆ BOMAG SIDEVIEW operator platform
- ◆ Hydraulically operated independent hopper wings
- ◆ Backup alarm
- ◆ Cleaning kit with distributor and auxiliary pump (not present in Soil Version)
- ◆ Proportional augers and conveyor belts with ultra-sound sensors
- ◆ Reversible augers and slat conveyor
- ◆ Hydraulic augers height adjustment
- ◆ L.C.S.: Load Control System for the screed
- ◆ full variable adjustable vibration- and tamper frequency
- ◆ Mechanical adjustment of transverse screed crown
- ◆ Centralized (in one point) lubrication of the screed and the augers

## Screed width: adjustable as needed





## ... and Optional Equipment

- ◆ Hydraulically operated front flat avoiding spillage of material in front of the paver
- ◆ Leveling Systems for vertical and horizontal sensing with mechanical or ultrasound sensors
- ◆ BOMAG TELEMATIC: monitor and manage your fleet. Know where your machines are, how they are being used and when the next service is due. Warnings can be automatically programmed and all recorded data tracked
- ◆ The Ventilation System extracts asphalt fumes underneath the operator platform, for a safer and more comfortable working environment
- ◆ Side plate heating system for the screed S 500 and S 600
- ◆ Hinged screed side plates to minimize the screed width during transportation. For both screeds (S 500 + S 600)
- ◆ Fully automated central lubrication unit for screed and auger
- ◆ BOMAG S 500 and S 600 high performance screeds can be supplied with a hydraulic crown adjustment
- ◆ Single or multi-coloured – BOMAG can supply almost any colour scheme
- ◆ The BOMAG operator seat can be optionally provided with seat heating for extra comfort
- ◆ Power-moon (balloon and mechanical support) ensures maximum light power and visibility during night work



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