

Tracked Paver

# SUPER 800-3

Mini Class



Pave Widths 0.5 – 3.2m  
Maximum Laydown Rate 300t/h  
Clearance Width 1.4m

# Highlights of the SUPER 800-3

» The ideal option for highly confined sites thanks to its compact dimensions

» Wide range of pave widths from 0.5 – 3.2m

» Simple operation with the innovative and easy-to-grasp ErgoBasic operating concept

» Perfect all-round visibility due to its modern machine design

» High pre-compaction with the AB 220 TV Extending Screed (tamper and vibrators)

» Several feed options with the asymmetrical material hopper

» Positive tracking and precise steering due to traction drives in closed loops

» Powerful and cost-efficient thanks to the 54kW Deutz diesel engine and ECO Mode



## The Mini Class Paver with the Maximum Range of Applications

The SUPER 800-3 is an extremely compact small paver that can tackle a wide variety of applications. Whether working on narrow farm tracks, close to walls and edges, between tram lines or in buildings, it is in confined spaces that the SUPER 800-3 really shows what it's capable of.

When it comes to technology, the SUPER 800-3 can certainly keep pace with the large "Dash 3" pavers. The powerful material conveying system is sophisticated, as is the new ErgoBasic operating concept. Equipped with the AB 220 TV Extending Screed with tamper and vibrators, this small paver achieves optimum pre-compaction values.

And finally, the excellent price/performance ratio of this small paver is not the least of its attractions. That makes it the ideal choice in towns and cities as well as for landscaping applications. As such it is particularly interesting for many local authority contractors.



# Compact, Light and Manœuvrable

When the site is particularly narrow, short or low, that's when the SUPER 800-3 comes into its own. Its dimensions make it the ideal candidate for landscaping applications as well as for surfacing car parks, farm tracks, cycle paths or footpaths.

The Mini Class paver is also a popular choice for building motorway central reservations or working in underground

car parks, low halls, etc. In all these situations, its small dimensions, great manœuvrability and power are the decisive factor for efficiency.

This highly evolved paver is perfectly equipped to handle even the most difficult conditions. The asymmetrical material hopper, for instance, allows the Mini Class paver to be easily fed with mix in extremely confined spaces.



Surfacing paths in public parks



Indoor applications (factory halls etc.)



Constructing farm tracks



Surfacing large areas



Paving asphalt between tramway tracks



Backfilling trenches



Paving work in sports facilities



Surfacing median strips on motorways



Paving asphalt on dams

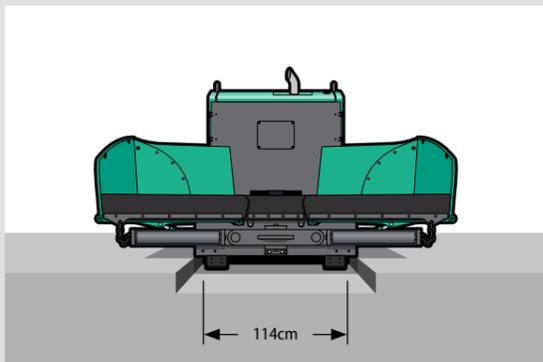


Building the base for paving setts

The applications illustrated here are typical for the VÖGELE Mini Class. The illustrations may also show the predecessor model.

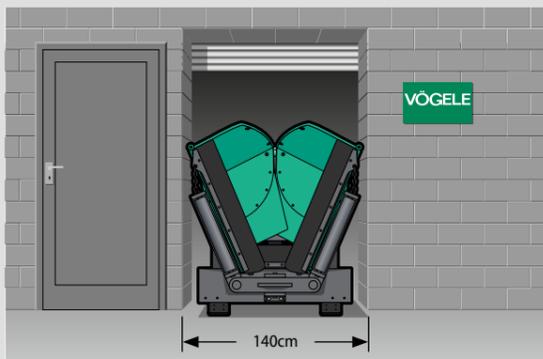
## Precision in Small Spaces

## Paving up to Within 5cm of Boundaries



» With an outer track gauge of just 1.14m, the paver is ideal for paving between tramway rails and in milled strips.

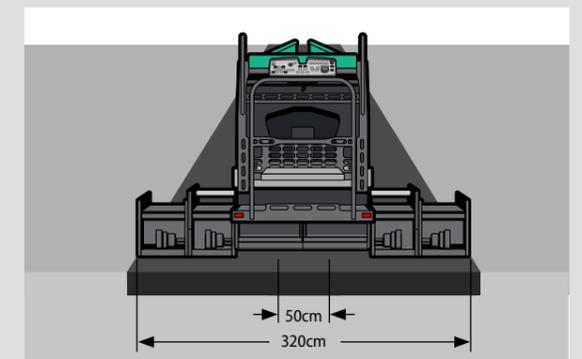
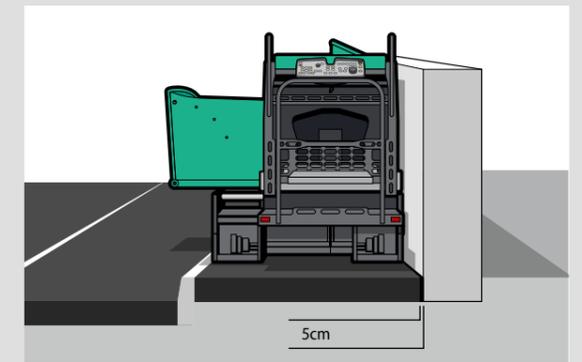
» The small clearance width of 1.4m means that even narrow entrances or gates are no longer an obstacle. The paver can pass through tight entrances and is capable of surfacing traffic areas in buildings such as underground car parks without any problem.



» The well-thought-out paver design allows machine-based paving up to within 5cm of boundaries.

» The overall height of less than 2m allows paving in low spaces and under canopy roofs.

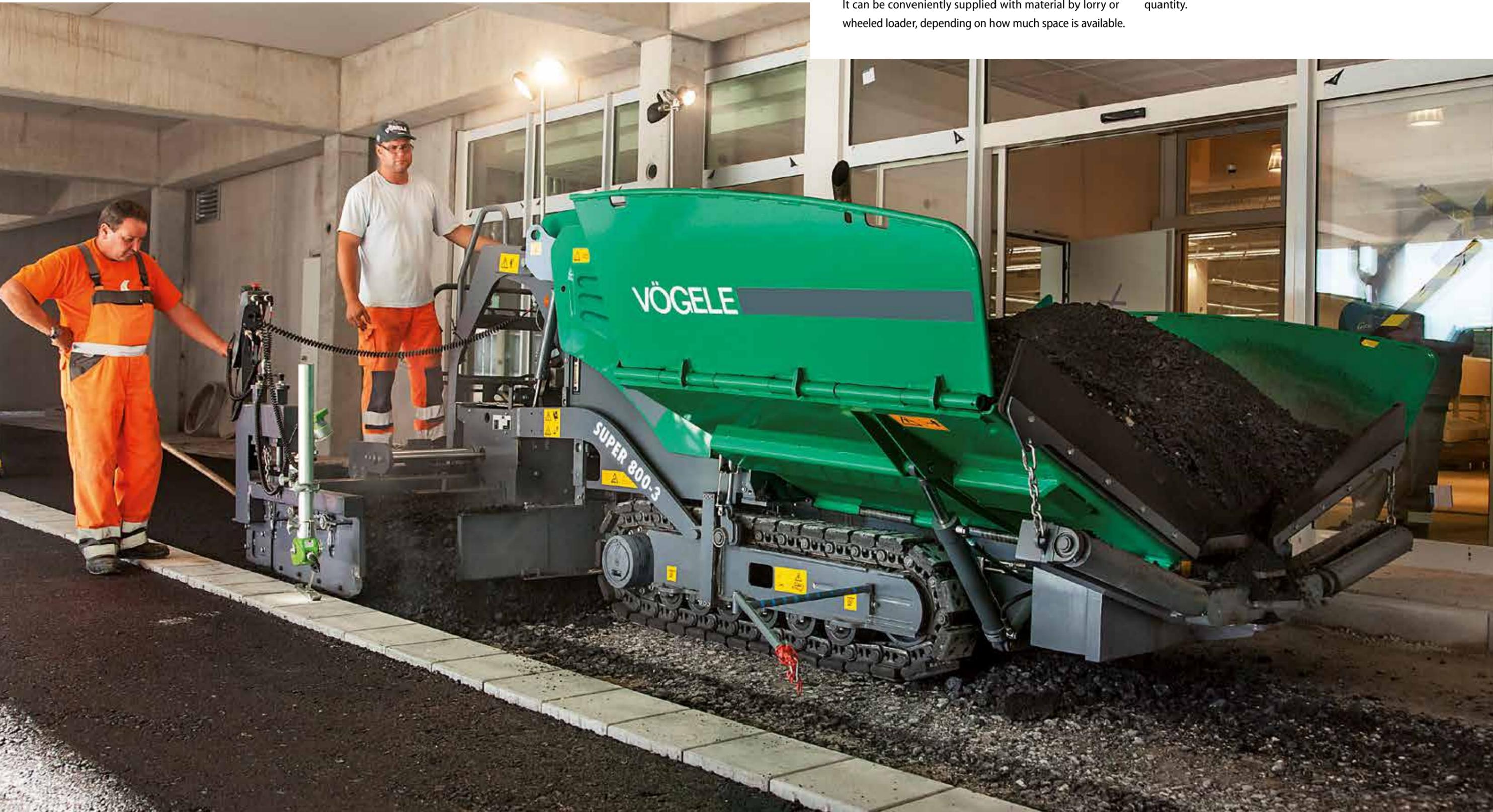
» The wide range of pave widths – from 0.5 to 3.2m – means it can be used in a wide variety of applications, ensuring high capacity utilization of the machine.



## Perfect Material Management

Several feeding options are particularly important when space is narrow and confined. That is exactly what the large material hopper of the SUPER 800-3 was designed for. It can be conveniently supplied with material by lorry or wheeled loader, depending on how much space is available.

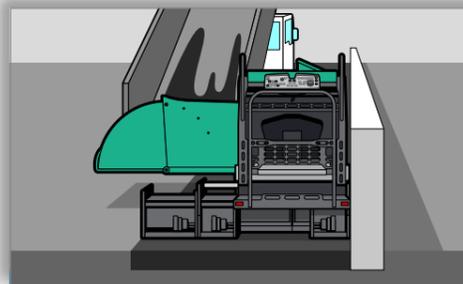
The powerful conveyor, the large conveyor tunnel and the augers adjustable in height ensure that material flows to the screed precisely and in exactly the right quantity.



## Several Feeding Options

The large material hopper with separately folding sides is designed so that the machine can always be supplied with paving material in the best, most cost-effective way. Whether the mix is supplied from the front by lorry or from the side by a wheeled loader, the hopper sides can always be positioned as required.

The optional asymmetrical hopper side (left) allows the paver to be supplied with material by lorry even if the feed vehicle is unable to dock centrally in front of the machine, as is the case when paving along walls and other boundaries, for instance.



On the asymmetrical material hopper, the left hopper side can be folded hydraulically. Combined with the possibility of adjusting the push-rollers to the left, this makes it easier for material to be supplied by lorry when paving along walls and other boundaries.

## Optimal Flow of Mix

The pavers of the Mini Class come with a powerful material handling system. The capacious material hopper holds an ample supply of mix, while the wide conveyor tunnel permits a high material feed rate.

The large auger blades ensure that the material is spread evenly in front of the screed.



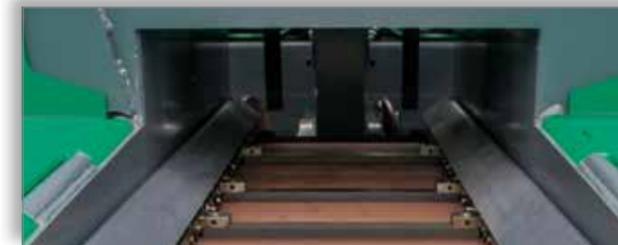
### Large material hopper

With a capacity of 5.8t, the material hopper of the small paver is configured to guarantee a controlled supply of mix, preventing any bottlenecks from occurring.



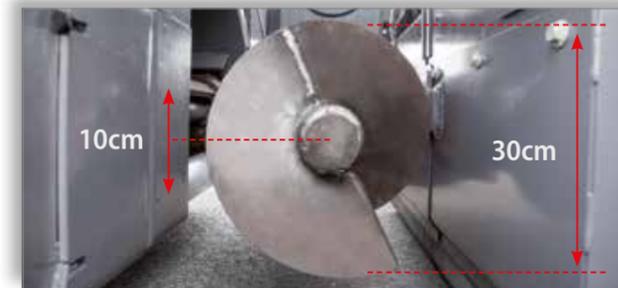
### Optimum conveyor drive

The arrangement of the conveyor drive at the rear of the machine makes for optimum power transmission, ensuring a high conveying capacity while minimizing wear of paver components. The conveyor is reversible, preventing any spills of material when repositioning the paver on the job site.



### Wide conveyor tunnel

The conveyor tunnel is wide enough to guarantee a high material throughput of up to 300t/h.



### Large auger blades

With a diameter of 300mm, the large auger blades ensure that the material is spread homogeneously. The height of the augers is infinitely variable by 100mm, even hydraulically on request.

## The ErgoBasic Operating Concept

The ErgoBasic operating concept was developed on the basis of the proven ErgoPlus operating system which is installed in VÖGELE's large pavers, but it was tailored specifically to the needs and requirements of the users of our Mini Class equipment.

The aim was to develop an operating system for the small machines that was just as quick, precise and intuitive to operate as the system for the large machines. That makes VÖGELE the only manufacturer to offer a standardized operating concept for all paver classes.



## The Paver Operator's ErgoBasic Console

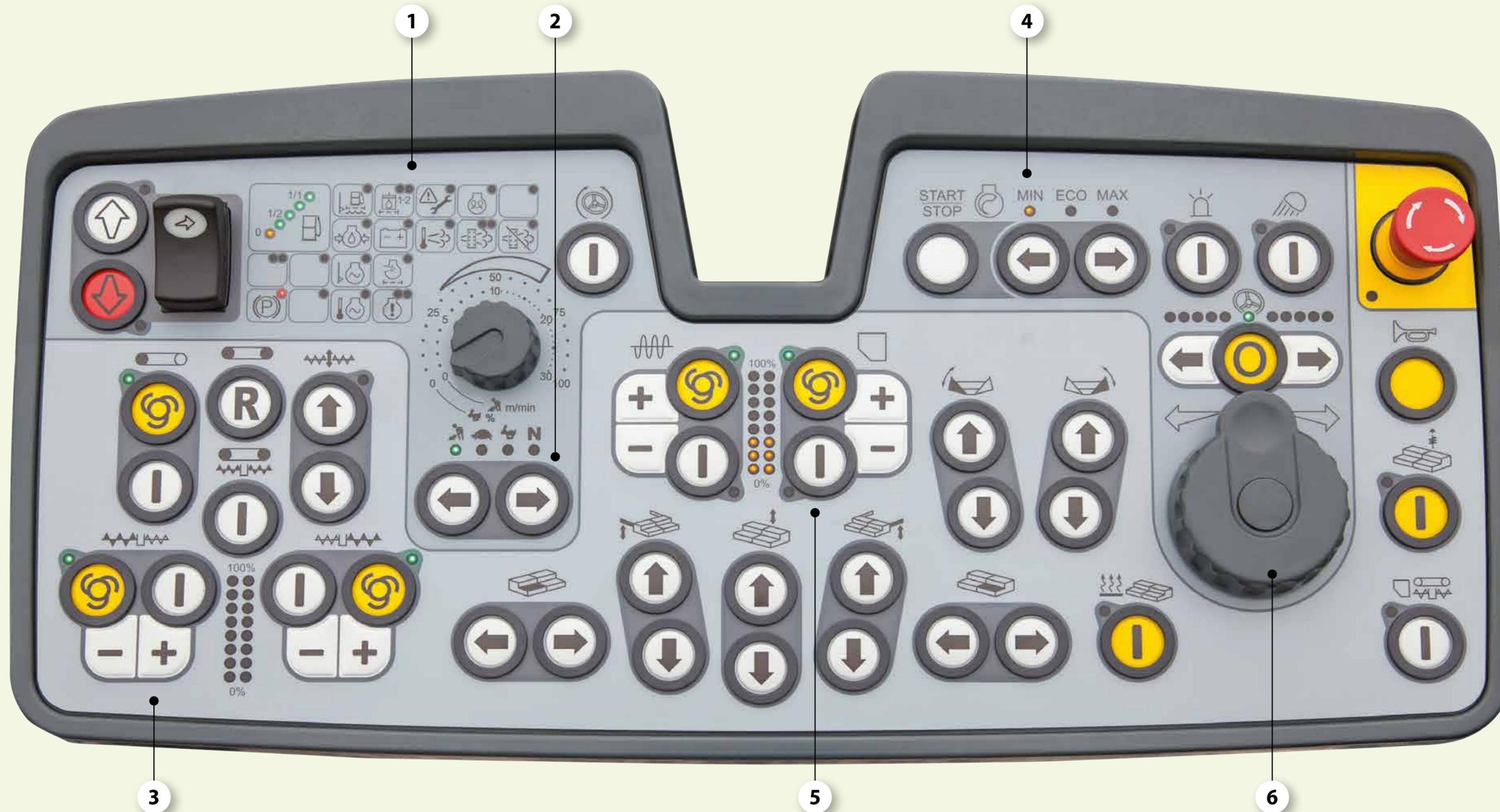


**Full Control for the Machine Operator >>**

# The Paver Operator's ErgoBasic Console

**Everything at a glance:** the functions are arranged in a clear, logical and practical layout that has clearly been inspired by the ErgoPlus operating console. The type of controls and the symbols used are all in line with those of an ErgoPlus console but have been tailored to the functions of a mini paver.

Given the limited number of functions, there is no need for a display. The status of all settings is indicated as a percentage on LED strips immediately next to the relevant functions. LEDs also indicate the set speed for the augers and the compacting systems as well as the fill level of the fuel tank.



**1 Function and status indicators**

The function and status indicators mean the operator always has a full control over his machine, even without a display. He can, for instance, read the fill level of the fuel tank directly and identify whether there are any functional faults.

**2 Selecting different operating modes**

All the main paving and machine functions can be controlled directly by individual push-buttons on the ErgoBasic paver operator's console. The paver changes between operating modes at the push of a button in the following order: "Pave", "Positioning", "Job Site" and "Neutral". An LED indicates which mode is selected. On leaving "Pave" mode, the memory function stores all the last settings, which means that the paving parameters last used are retrieved immediately after repositioning the machine on the job site, for instance.

**3 Speed of the augers**

In automatic mode, the maximum speed of the augers can be adapted to the pave width separately for the right and left using the plus and minus keys. The set value is displayed as a percentage on the LED strip.

**4 Choice of engine speed ranges**

There are three speed ranges for the diesel engine: MIN, ECO and MAX. The desired range can be set easily using the arrow keys. Many construction projects can be completed at ECO speed. The lower engine speed reduces noise emissions considerably and saves on fuel.

**5 Compacting effort**

The speeds of the compacting systems can be set directly on the operator's console. The LED strips from 0 to 100% indicate the set speeds for the tamper and vibrators, allowing them to be adjusted immediately as required.

**6 Steering with preselected steering angle**

The machine is steered by means of an easy-grip rotary controller which enables the paver operator to manoeuvre the machine precisely even in the tightest spots. For long curves with a constant radius, the desired steering angle can be preselected using arrow keys. The paver stays automatically on the set track until the function is deactivated again, allowing the paver operator to monitor the paving process undisturbed.

# The ErgoBasic Remote Control Unit for the Screed



The safe and easy handling of all screed functions is a key factor in high-quality pavement construction. That's why an ErgoBasic remote control unit for the screed was developed specifically for the operating system of the new SUPER 800-3.

Its keypad is laid out logically according to the functional processes. Designed for robustness, it is well able to withstand tough job site conditions. Operation is easy to understand and can be learnt intuitively in a very short space of time, not least because the symbols used in the proven ErgoPlus operating concept were adopted in the design.

The ErgoBasic remote control unit for the screed allows all paving-related functions to be set quickly and easily. That includes direct access to the material handling systems and the sonic sensor for the auger.

There is a remote control unit for each side of the screed. It can either be held in the hand or fixed to the magnetic brackets provided on the left and right of the screed.

All the main paving functions for each side of the screed can be controlled using one of the two handy screed remote control units.

- ① Conveyor, automatic / manual
- ② Horn
- ③ Auger, automatic / manual / reverse
- ④ Screed floating on / off
- ⑤ Extend / retract screed's extending units
- ⑥ Adjustment of screed tow point rams

# Remote Control Unit for Niveltronic Basic



VÖGELE have also developed an automated grade and slope control system to match the ErgoBasic operating concept: the Niveltronic Basic. Fully integrated into the machine control system, its main benefit is that it is particularly easy to use. There is a separate remote control unit for each side of the screed.

Mechanical sensors and sonic sensors as well as a slope sensor can be connected for grade and slope control. A laser receiver is even available for work on larger sites. Niveltronic Basic automatically detects the type of sensor connected.

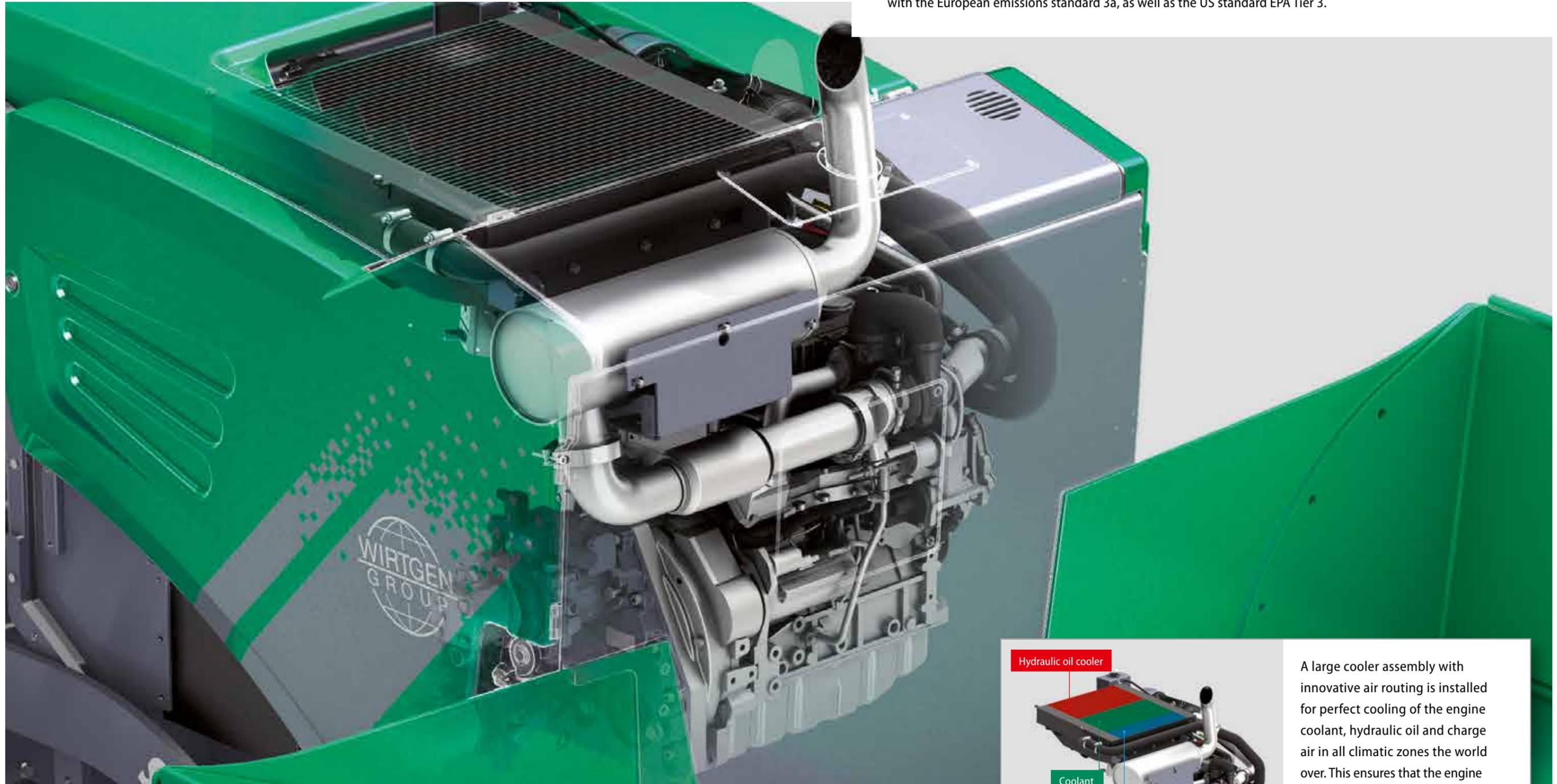


The remote control unit comes with all the functions required for precision grade and slope control:

- ① Indication of deviation from specified values
- ② Niveltronic Basic on / off
- ③ Setting: Sensor sensitivity
- ④ Sensor selection
- ⑤ Quick set-up
- ⑥ Setting: Specified value
- ⑦ Sensor calibration

# Modern Drive Technology

The SUPER 800-3 is equipped with a powerful 4-cylinder engine. The modern engine complies with the European emissions standard 3a, as well as the US standard EPA Tier 3.



» **Delivering 54kW**, the modern Deutz diesel engine can achieve optimum efficiency (European emissions standard stage 3a, US standard EPA Tier 3).

» **A speed-controlled fan** ensures just the right amount of cooling, reducing both fuel consumption and noise emissions.

» **The splitter gearbox** optimally transfers the power output of the diesel engine to the hydraulic pumps.

A large cooler assembly with innovative air routing is installed for perfect cooling of the engine coolant, hydraulic oil and charge air in all climatic zones the world over. This ensures that the engine can deliver maximum output and helps prolong its service life.

## Precision on Tracks

» Thanks to powerful separate drives fitted into the sprockets of the crawler tracks, engine output is translated into pave speed with no loss of power.

» The long crawler tracks deliver maximum traction thanks to their large footprint. This ensures a constant forward speed even when operating on difficult terrain.



Positive tracking when moving straight and accurate cornering due to separate drive and electronic control provided for each crawler track.

## Identical Service Concept

The standardized service concept conceived for the VÖGELE pavers means that servicing is quick and uncomplicated. Large hinged panels provide convenient access to all service points on the machine.

Wear-resistant components also guarantee a long service life.



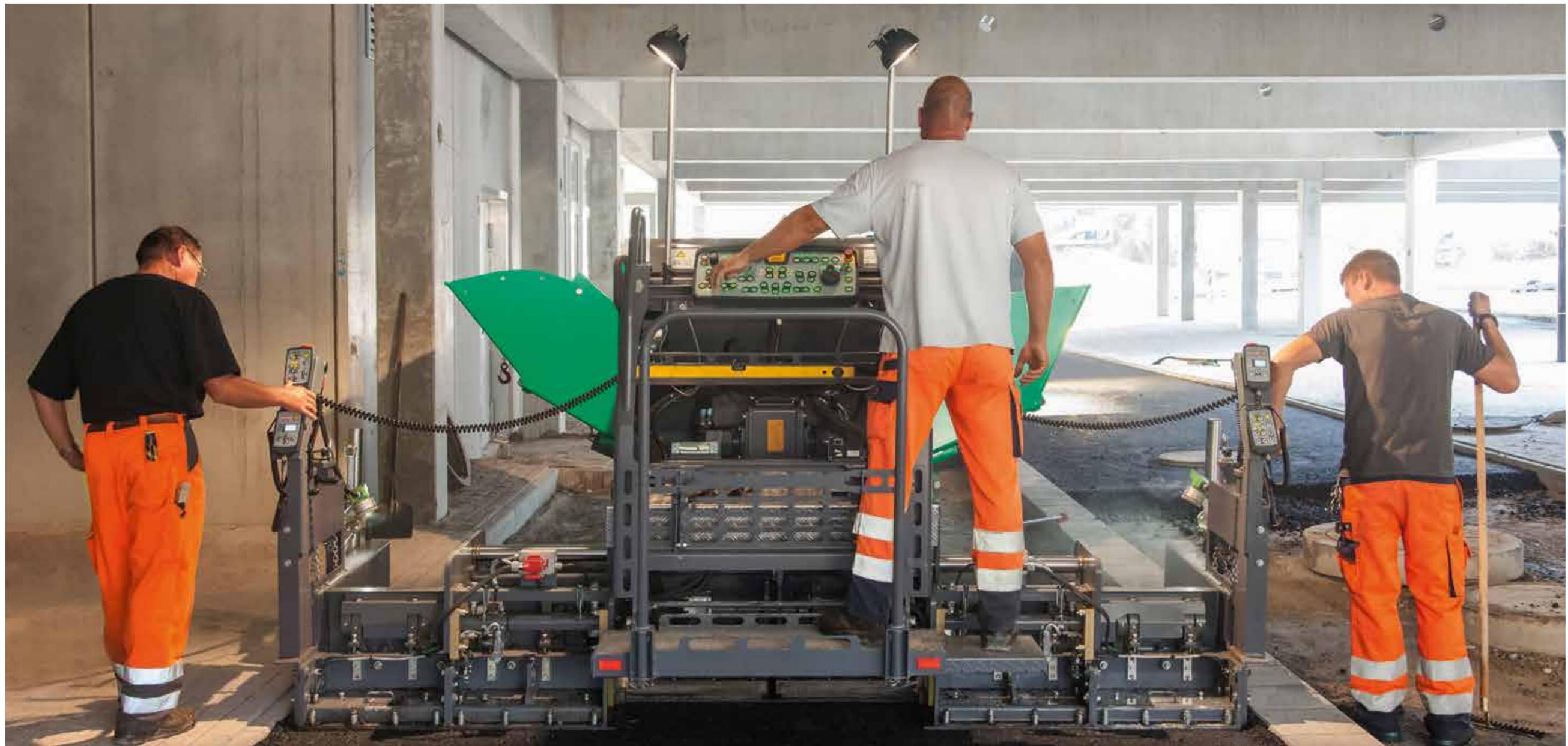
All hydraulic pumps are located on the splitter gearbox and provide maximum service-friendliness thanks to their clear arrangement and easy accessibility.

## AB 220 TV Extending Screed

The new AB 220 Extending Screed in the TV version is specially designed for use with the SUPER 800-3. The extending screed is conceived to play to the strengths of this Mini Class paver. Not only does it deliver the greatest possible variability, it also meets VÖGELE's own quality standards.

With a basic width of 1.2m, the AB 220 TV can be extended hydraulically to a width of 2.2m. The tamper and vibrator compacting systems enable it to achieve pre-compaction results that are outstanding – and indeed exceptional for a paver of this class.

The pave width can be easily extended further by means of bolt-on extensions. A system for pave width reduction permits easy, high-quality backfilling even of narrow trenches between 0.5 and 1.2m wide.



# The Screed for SUPER 800-3



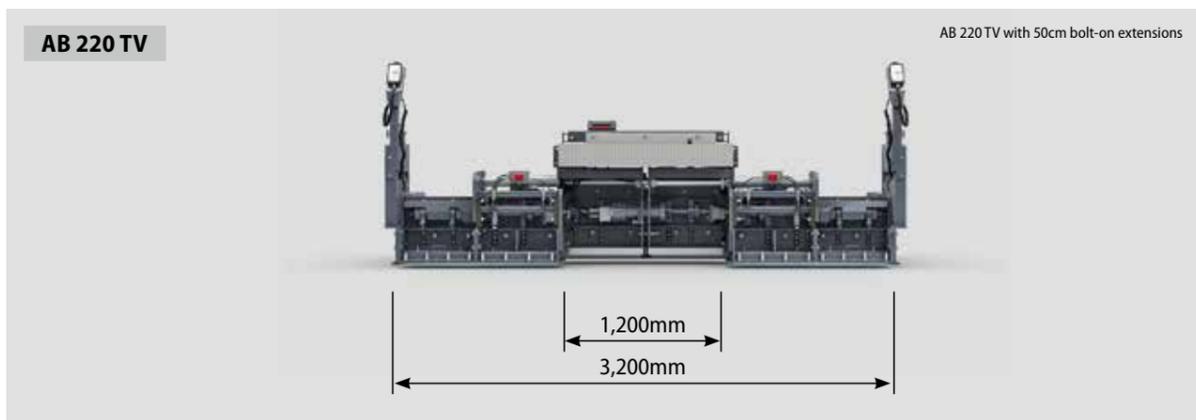
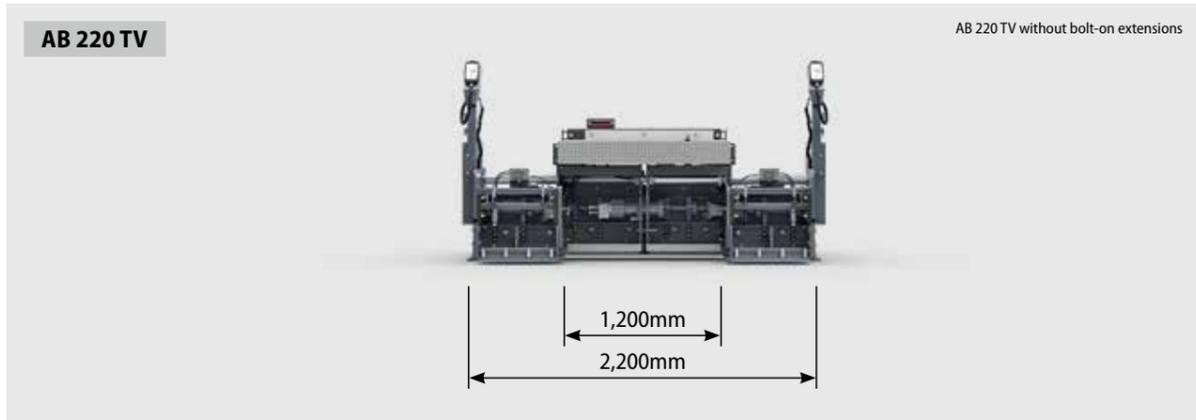
## AB 220 TV

### Pave Widths

- » Infinitely variable range from 1.2m to 2.2m.
- » Maximum width by addition of 2 bolt-on extensions, 50cm each: 3.2m.
- » Can be reduced to 0.5m with a system for pave width reduction.

### Compacting Systems

- » AB 220 TV with tamper and vibrators



# Reduction in Width

» Once mounted, the system for pave width reduction allows infinite variation of the pave width from 1.2m to 0.5m. This is conveniently handled from the paver operator's stand without a need for conversion.

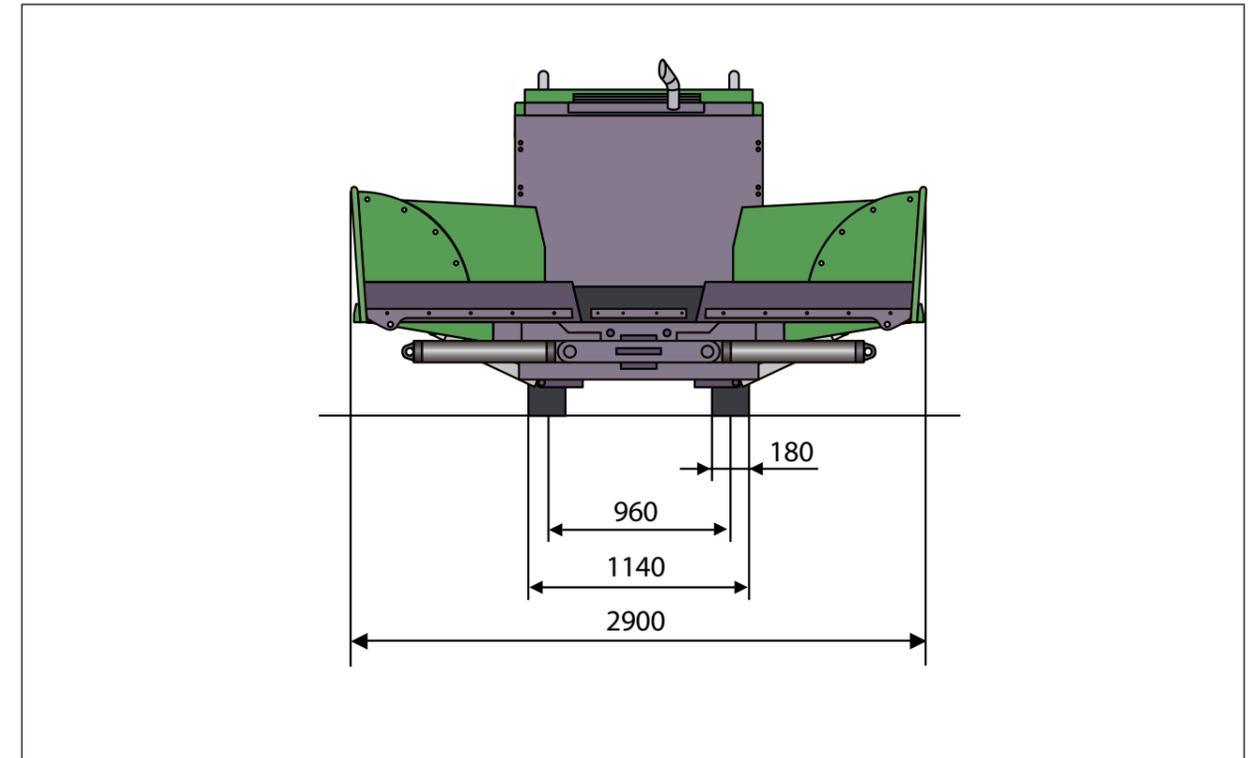
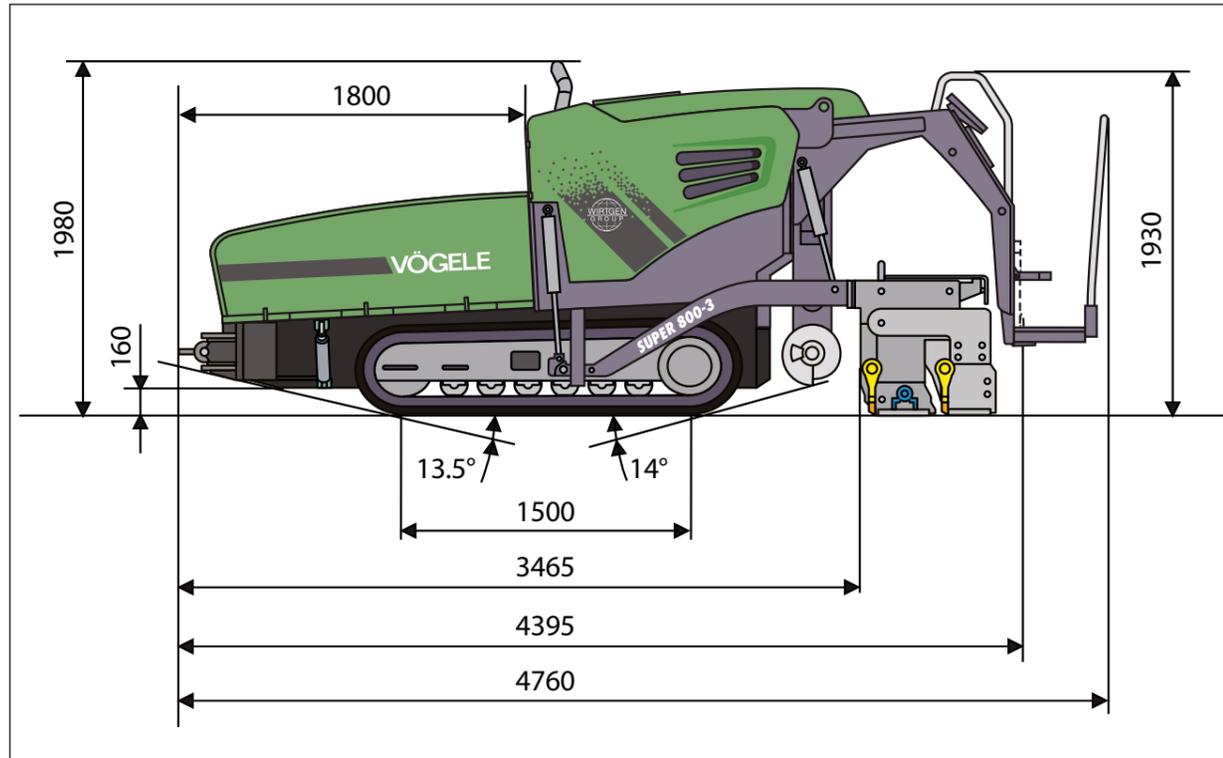
» With the system for pave width reduction offered by VÖGELE, the backfilling of trenches or paving in an asymmetrical width along kerbstones or walls is an easy game, even when using joint tape.



With the system for pave width reduction fitted, the screed floats on the mix just as it does when paving in a non-reduced width. This allows the layer thickness to be adjusted via the screed tow point rams or even to be controlled with Niveltronic Basic.

The floating screed not only provides for precise paving results, but also achieves excellent pre-compaction.

# All the Facts at a Glance



Dimensions in mm

## POWER UNIT

SUPER 800-3 (for all countries except EU/EFTA countries / USA / Canada)	
Engine:	4-cylinder diesel engine, liquid-cooled
Manufacturer:	Deutz
Type:	TD 2.9 L4
Exhaust Emissions Standard:	EU Stage 3a, US EPA Tier 3
Output:	Nominal: 54kW at 2,200 rpm (according to DIN) ECO mode: 49kW at 1,800 rpm
Fuel Tank:	80 litres
Electrical System:	24V

## UNDERCARRIAGE

Crawler Tracks:	provided with rubber pads
Ground Contact:	1,500mm x 180mm
Suspension:	rigid
Track Tension Adjuster:	spring assembly
Track Rollers:	lifetime grease lubricated
Traction Drive:	separate hydraulic drive and electronic control provided for each crawler track
Speeds:	Paving: up to 30m/min., infinitely variable Travel: up to 3.6km/h, infinitely variable
Service Brake:	hydraulic
Parking Brake:	spring-loaded multiple-disc brake, maintenance-free

## MATERIAL HOPPER

Hopper Capacity:	5.8t
Width:	2,900mm
Feed Height:	500mm (bottom of material hopper)
Push-Rollers:	oscillating, fold up with the sides of the material hopper, adjustable by 100mm to the front, 50cm to the left

## CONVEYOR AND AUGERS

Conveyor:	1, with replaceable feeder bars, conveyor movement is reversible Drive: hydraulic Speed: up to 20m/min., infinitely variable (manual or automatic)
Augers:	2, mounted overhung, auger rotation is reversible Diameter: 300mm Drive: separate hydraulic drive provided for each auger Auger Height: Standard: infinitely variable by 10cm, mechanical Option: infinitely variable by 10cm, hydraulic

## SCREED

AB 220:	basic width 1.2m, infinitely variable range 1.2m to 2.2m, maximum width 3.2m, minimum pave width with system for pave width reduction 0.5m
Screed Version:	TV
Layer Thickness:	up to 20cm
Screed Heating:	electric by heating rods
Power Supply:	three-phase A.C. generator

## DIMENSIONS AND WEIGHT

Clearance Width:	1.4m
Length:	4.4m (tractor unit and screed in transport position)
Weight:	6.6t

Key: T = equipped with Tamper V = equipped with Vibrators AB = Extending Screed

Subject to technical alterations.



Your VÖGELE QR Code leads you directly to the "SUPER 800-3" on our website.



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