

Universal Class

SUPER 1703-3

WHEELED PAVER



Maximum pave width 5.95 m
Maximum laydown rate 700 t/h
Transport width 2.59 m

PREMIUM LINE

 www.voegele.info



The most innovative paver technology



The VÖGELE SUPER 1703-3 is a cutting-edge paver suitable for a wide variety of applications. Typical jobs are the building of secondary roads and highways. Due to its compact design, the wheeled paver is also ideal for commercial and municipal paving jobs.

With drive options (6x4 and 6x6), the SUPER 1703-3 is a versatile machine. The wheeled paver features plenty of power and high mobility to handle the most varied paving jobs, even in confined spaces.

The SUPER 1703-3 also comes with the latest version of our operating system, the popular ErgoPlus 3, which has been enhanced with a number of new ergonomic and functional features. With its new mounting system, the paver operator's console can be shifted conveniently and easily between the right and left sides of the operator's stand during operation. ErgoPlus 3

also offers unobstructed operator visibility of the material hopper, auger tunnel and screed. In addition, it now has a large colour display that ensures good readability even in poor lighting conditions. The screed consoles have been completely redesigned, making operation of this "Dash 3" machine even easier for the entire paving crew.

With its new Universal Class paver, VÖGELE also offer the right screed for every application. The SUPER 1703-3 can be combined with the VF 500, a screed with front-mounted extensions. The VF 500 Extending Screed is equipped with a vibration system.

All of these features make this Universal Class machine a truly SUPER paver!

The highlights of the SUPER 1703-3



Wheeled Universal Class paver with a large range of applications and pave widths up to 5.95 m

Powerful and economical drive concept with VÖGELE EcoPlus, the low-emissions package from VÖGELE

Maximum power transmission thanks to separate, hydraulic drives provided for both rear wheels and optional all-wheel drive (6x6)



Significantly smaller turning circle due to Pivot Steer steering brake

Optimum feeding with mix thanks to the large material hopper and PaveDock Assistant communication system

ErgoPlus 3 with numerous additional ergonomic and functional advantages

The right screed for every application. The paver can be combined with the VF 500 Extending Screed.

Efficiency, performance and low fuel consumption



The driving force behind this Universal Class paver is its powerful, four-cylinder diesel engine rated at 116 kW.

Delivering a powerful drive when maximum performance is called for, this Universal Class paver is exceedingly economical in everyday operation.



Low input, maximum output – all drive components, from the diesel engine to the hydraulic system, operate at maximum efficiency.

Intelligent engine management with ECO mode and the VÖGELE EcoPlus low-emissions package ensure low diesel consumption and low-noise operation.

Modern drive technology

Three main components define the power unit of a SUPER 1703-3: its modern, liquid-cooled diesel engine, a splitter gearbox flanged directly to the engine and a large cooler assembly.

The driving force in this power pack from VÖGELE is its diesel engine. The four-cylinder engine delivers 116 kW at t 2,000 rpm, though fuel-saving ECO mode is sufficient for many applications. And even then, the SUPER 1703-3 still has a full 106 kW at its disposal. Moreover, the machine generates even less noise when running at just 1,700 rpm.

A large cooler assembly ensures that the power unit always delivers its full output. With innovative air routing and a variable-speed fan, temperatures

are continuously maintained within the optimum range, significantly extending the service life of both the diesel engine and the hydraulic oil. A further advantage is that the machine can operate without difficulty in all climate regions worldwide.

All hydraulic consumers are directly supplied with hydraulic oil via the splitter gearbox. Hydraulic pumps and valves are centrally located, making them optimally accessible for servicing. Even the powerful generator for screed heating is flanged directly onto the splitter gearbox, making it completely maintenance-free.

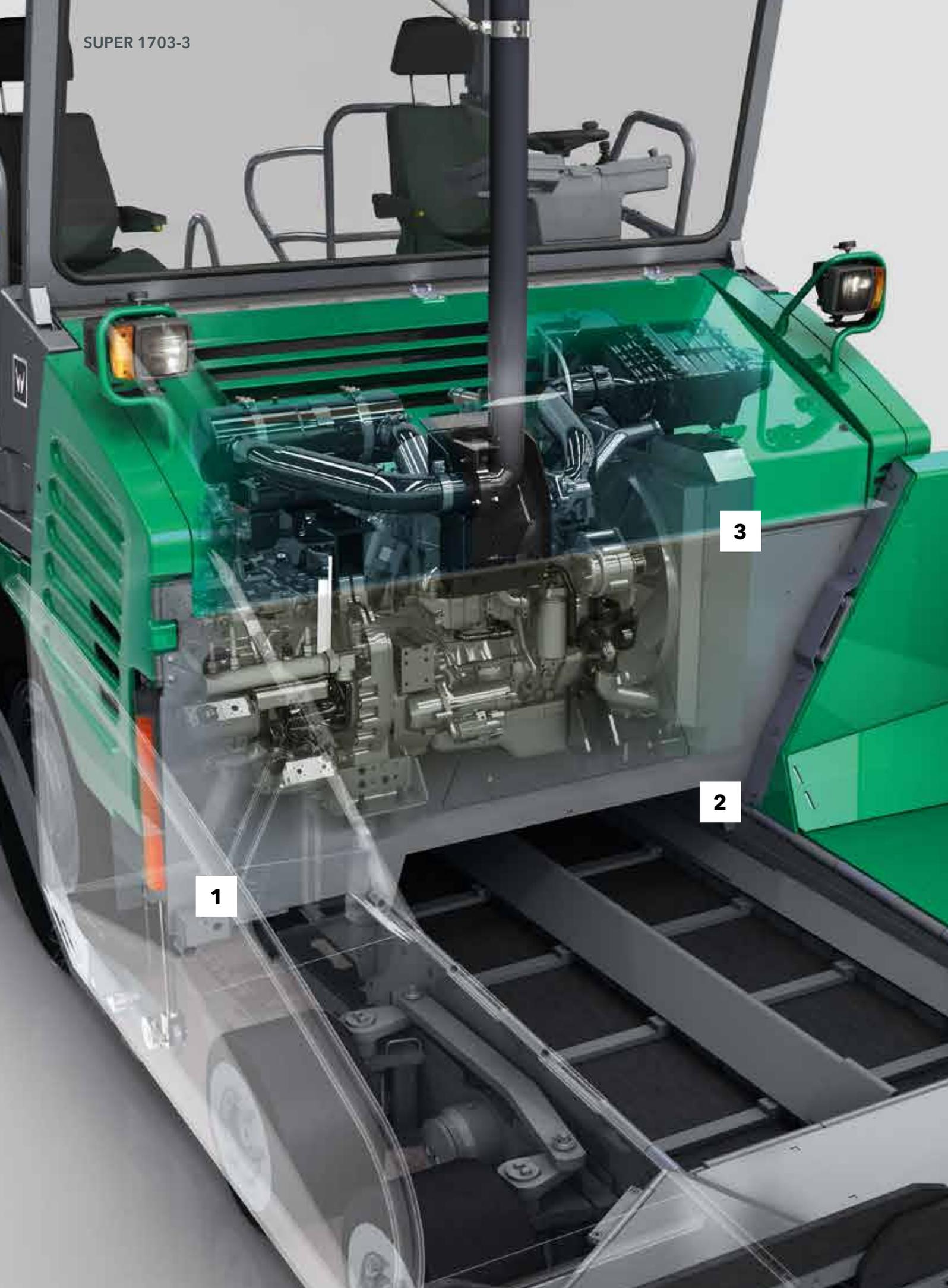




The large cooler assembly is made up of three parts. It ensures that engine coolant, charge air and hydraulic oil are maintained at the optimum temperature.

- » **Powerful diesel engine** develops 116 kW at just 2,000 rpm.
- » **ECO mode** for paver operation with 106 kW at 1,700 rpm is perfectly adequate for numerous applications. It cuts operating costs and allows superquiet operation.

- » **A powerful, air-cooled generator** with direct drive ensures rapid, uniform heating of the screed. With "Dash 3" generation pavers, the generator is directly driven by the splitter gearbox and therefore maintenance-free.



VÖGELE EcoPlus

Low-emissions package

The **philosophy** behind the drive concept of the "Dash 3" generation was "lower consumption – lower emissions – lower costs". In this respect, the innovative VÖGELE EcoPlus low-emissions

package includes a whole series of measures to significantly reduce fuel consumption and noise levels.

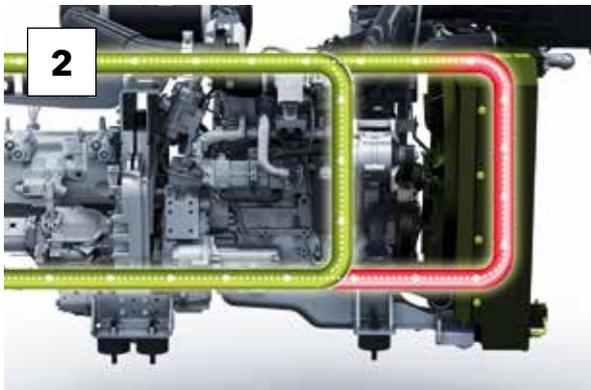
1



Splitter gearbox with ability to disengage hydraulic pumps

When the paver is stationary, e.g. during longer waits, all the hydraulic pumps needed for "traction", "conveyors and augers" and "compaction" are automatically disengaged. This function cuts fuel consumption considerably. Reducing the trailing load also makes it significantly easier to start the paver at low ambient temperatures.

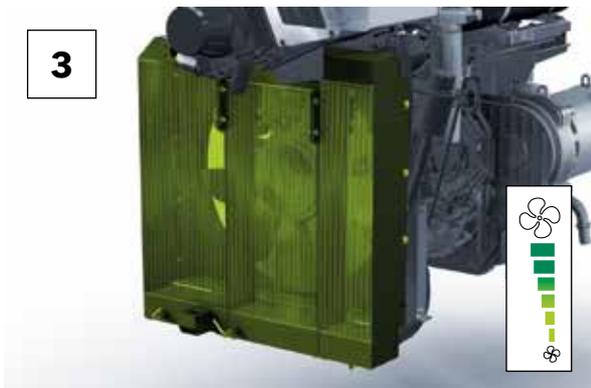
2



Controlled hydraulic oil temperature circuit

A bypass circuit allows the hydraulic oil to reach its optimum operating temperature very quickly. This in turn permits rapid, fuel-saving operation of the paver. The hydraulic oil is not led through the cooler assembly before its temperature has exceeded the optimum level of 50 – 70°C.

3



Variable-speed fan

The variable-speed fan automatically adapts to engine load and ambient temperature. The fan is driven via a viscous coupling. This type of fan drive, in contrast to a hydraulic drive, stands out through considerably greater energy efficiency and much lower noise levels.

Mobility on wheels

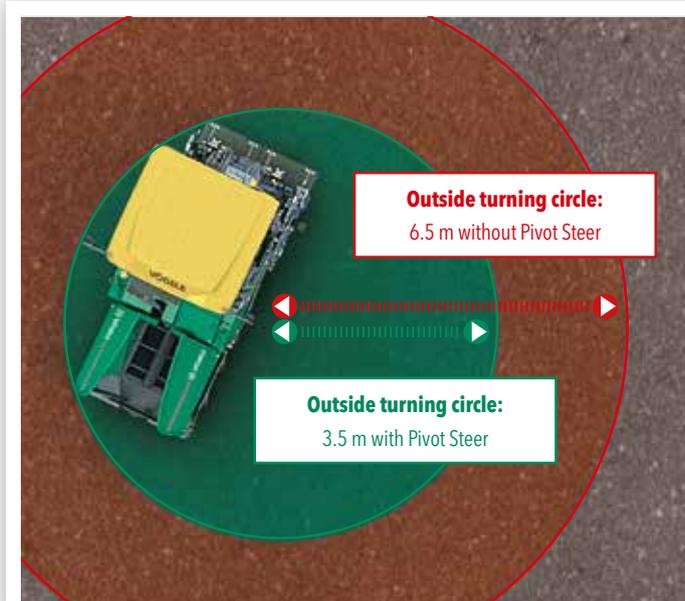
With its high tractive power, the wheeled paver SUPER 1703-3 perfectly combines high paving performance with maximum mobility. This is assured by powerful separate hydraulic drives in the powered wheels. They ensure maximum traction when paving and allow the paver to manoeuvre quickly on the job site at speeds of up to 20 km/h.

» **Rapid transport under its own power** at up to 20 km/h – a feat the SUPER 1703-3 is optimally equipped for. All paving functions are automatically deactivated when “Road Travel” mode is selected.

» **Maximum power transmission** thanks to separate, hydraulic drives provided for both rear wheels and two front wheels (6x4). Optionally, an additional four front wheels (all-wheel drive 6x6) can be driven.

» **Optimum traction** is assured, even on difficult terrain, by electronic traction management and an electronic differential lock acting on the drives of the rear wheels.

» **Continuous ground contact** is assured by the front wheels mounted on bogies. They provide for a permanent ground contact of the wheels also when working on an uneven base.



Outside turning circle:
6.5 m without Pivot Steer

Outside turning circle:
3.5 m with Pivot Steer

Whenever maximum manoeuvrability is required the paver operator can activate Pivot Steer. The rear inside wheel is then automatically slowed down hydraulically. This minimizes the outside turning circle to not more than 3.5 m for positioning manoeuvres and paving.

Perfect material management for perfect paving quality



A continuous flow of mix is key to ensuring uninterrupted and high-quality paving. That is why we attach such importance to professional material management when designing our pavers.

Thanks to its large material hopper, the SUPER 1703-3 can be supplied with material easily and quickly.



The high-performance and precision systems that convey and spread the material support high laydown rates and consistent quality even at high pave speeds.

PaveDock Assistant from VÖGELE is an innovative solution to standardize and simplify communication between the paver operator and the driver of the feed vehicle.

Large material hopper, easy feed with mix



The hydraulically operated hopper front prevents material spills during lorry exchanges. It directs the material inside the hopper directly onto the conveyors, so no hand work is required. All of the mix is properly conveyed to the screed.

- » **The large material hopper** holds 13 tonnes and is dimensioned so that plenty of mix is stored at all times.
- » **Sloped inner design** of the hopper for an optimal flow of material to prevent segregation.
- » **Easy feeding with mix** thanks to only 615 mm feed height, wide hopper sides and sturdy rubber flashing fitted to the hopper front.

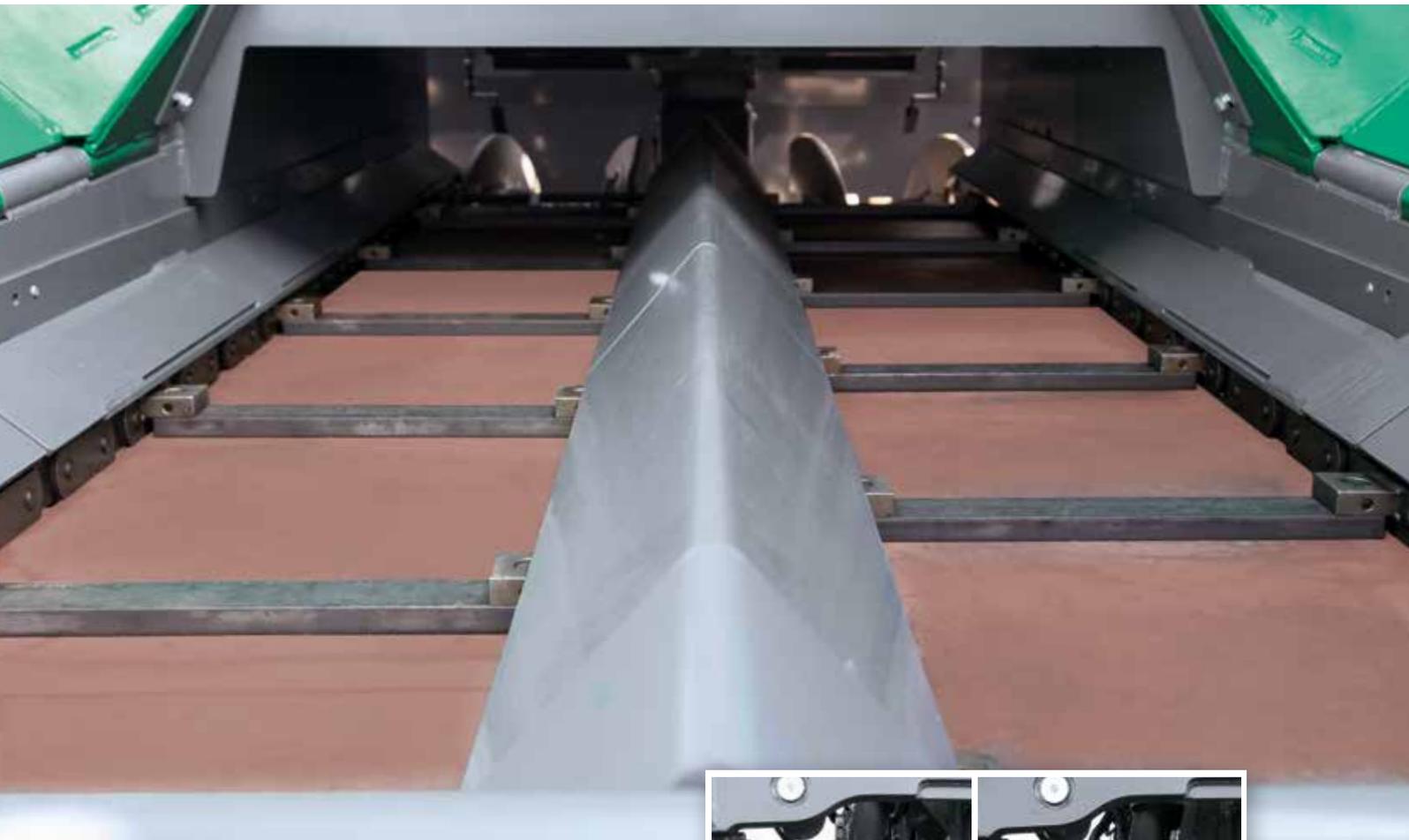


» **Large oscillating push-rollers** can be set to 2 different positions for convenient and shock-free docking of feed vehicles even in curves.

» **A truck hitch** is available as an option.

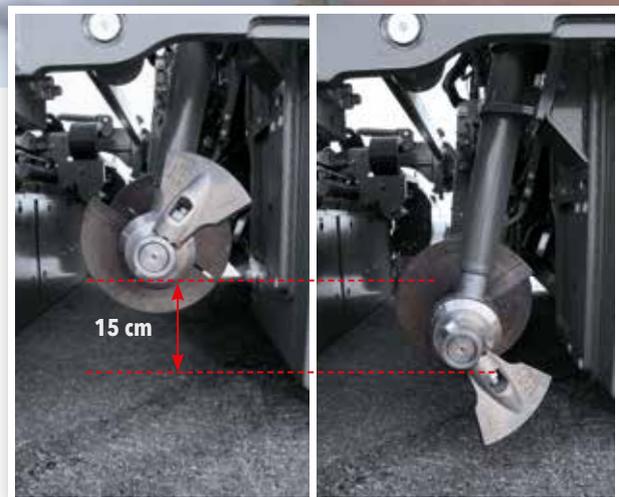


Precision material delivery prevents segregation



Thanks to effective spreading of the material, the SUPER 1703-3 always has an optimal head of mix in front of the screed to meet the demands of every paving situation.

The wide conveyor tunnel and powerful, separate hydraulic drives installed for conveyors and augers permit high laydown rates up to 700 t/h.



Hydraulically adjustable augers are infinitely variable in height within a range of 15 cm. Hydraulic auger height adjustment (including bearing boxes and limiting plates for the auger tunnel) provides optimal spreading of the material even when paving thin layers or on sections where layer thickness varies.



- » **Proportional control** and continuous monitoring of conveyors and augers guarantee a constant head of mix in front of the screed.
- » **Inclined conveyors** from the front to the rear of the machine provide ideal delivery of the material onto the augers.
- » **Large, 40 cm diameter auger blades** with precision pitch ensure excellent spreading of the material when paving in large widths or at lower engine rpm. VÖGELE's unique blade design provides prolonged service life versus standard blade designs.
- » **Narrow conveyor guard** in the material hopper guarantees uniform material flow.



The optional Power Tunnel is perfect for changing pave widths. The hydraulically adjusted limiting plates adapt to the screed width automatically, ensuring an optimal head of mix in front of the screed all the way to the end plates, even when the screed extensions are fully moved out.

PaveDock Assistant: The communication system

A constant feed of material is a fundamental prerequisite for high-quality paving and perfect evenness.

PaveDock Assistant is the communication system between the paver operator and the driver of the feed vehicle. It allows particularly fast and reliable transfer of mix to the paver.



Dock: truck drives up to the paver and docks.

Stop: truck must halt. It has docked.

Raise dump box: truck raises the dump box.

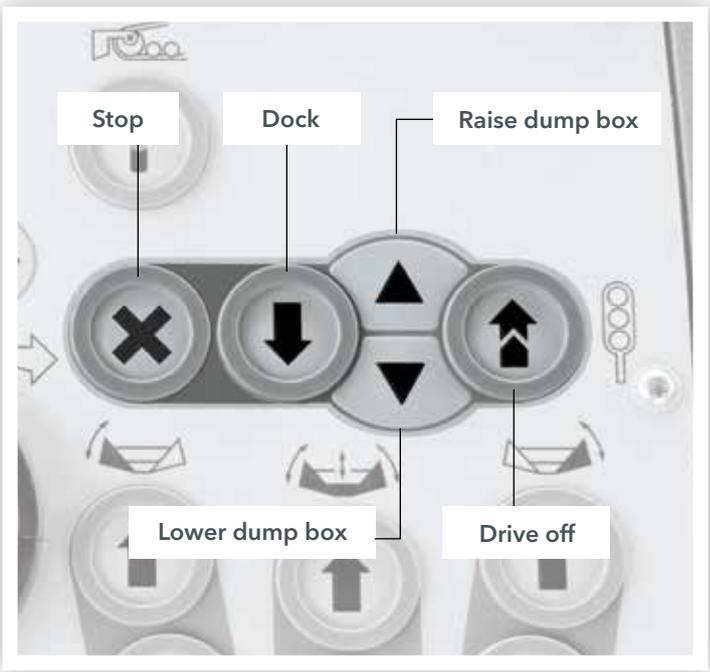
Lower dump box: truck lowers the dump box.

Drive off: truck drives away from the paver.

Paver is moving: symbol can appear together with all symbols.

PaveDock Assistant is the communication system between the paver operator and the driver of the feed vehicle. It allows particularly fast and reliable transfer of mix to the paver. Signal lights on the paver and the associated controls on the paver operator's ErgoPlus 3 console are key components.

The paver has two sets of signal lights, mounted on the right and left of the hardtop. With these lights, the paver operator can give the driver of the feed vehicle unmistakable signals, indicating what needs to be done (e.g. reverse, stop, dump mix). Having two lights, each in an elevated position, ensures that all signals are clearly visible to the feed vehicle driver from all angles of approach.



Automated processes with AutoSet Plus

With AutoSet Plus, we have enhanced the efficiency, convenience and quality of key job site processes. AutoSet Plus has two handy automatic functions.

The Repositioning and Transport function greatly facilitates the continuation of work when moving the paver on the job site from one work section to another, or after the paver has been transported.

Simply pressing the "Execute" button quickly and reliably readies the machine for travel on the job site, or for transport. Pressing the button again returns it to the previously stored working position.

The Paving Programs function allows the operating personnel to save the configured machine parameters and store these as a paving program in the menu. This program can then be called up and used whenever needed.



The two convenience functions of AutoSet Plus automate routine tasks, allowing work processes to be carried out more quickly and with greater control. This in turn means that construction projects can be completed faster and more reliably.



**1 // AutoSet Plus –
Repositioning function**

Fast and safe repositioning of the paver on the job site.

No settings are lost between paving and repositioning.

Also prevents any damage to the augers.

**2 // AutoSet Plus –
Paving Programs function**

Automated configuration of the paver.

Storage of all paving-related parameters.

Selection of stored paving programs.

Reproducible quality.



AutoSet Plus Repositioning function

AutoSet Plus is especially helpful when the machine has to be moved frequently on the job site.

Simply pressing the "Execute" button raises the augers and the hydraulically operated hopper front. The screed and the screed tow point rams are brought into transport position. In addition, the screed is locked hydraulically in transport position. The conveyors are temporarily reversed, preventing mix from falling to the ground when the paver travels to the next work section on site.

Once the paver has been repositioned, pressing the "Execute" button again returns all systems to the previously stored working positions.

This ensures that no settings are lost when changing from paving to repositioning or transport. It also effectively prevents any damage to the machine.

1. The AutoSet Plus Repositioning function

is activated just by pushing the "Execute" button.

2. Raise/lower screed.

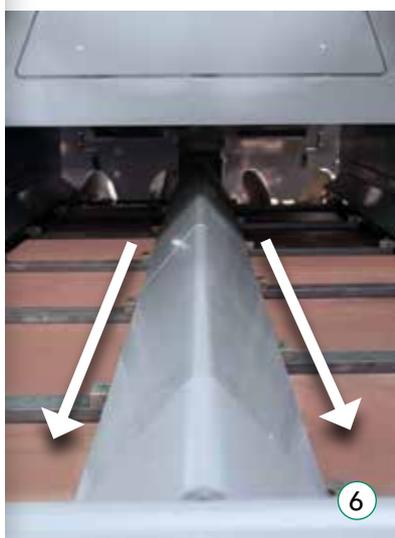
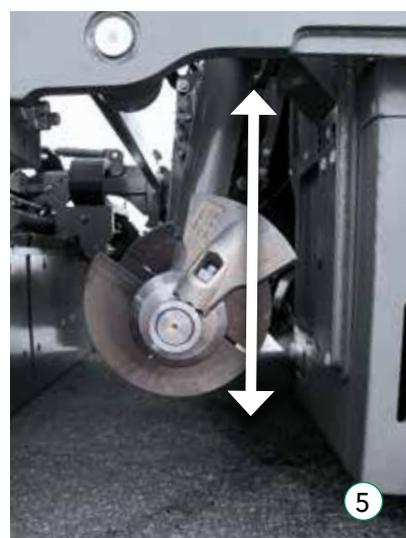
3. Lock/unlock screed.

4. Screed tow point rams in transport position/at last set value.

5. Raise/lower augers.

6. Conveyor movement reversible for a short time.

7. Raise hopper front.



AutoSet Plus

Paving Programs



The automatic Paving Programs function allows the operating personnel to store their own paving programs. All the key parameters for paving a specific layer, e.g. a base course of asphaltic concrete 18 cm thick, can thus be stored.

On the display of his console, the paver operator saves in his program the values set for the compacting systems (tamper and vibrator speed, pressure for the pressure bars), height of the augers, position of the tow point rams, pressure for Screed Assist and pave speed.

He also enters the amount of crown and the screed temperature. The program is completed with additional information on the material being used, layer thickness and pave width.

The stored paving programs can subsequently be selected and used at any time via the menu. In the event of a repeat situation, this ensures that work is carried out with exactly the same settings, maintaining a consistent quality.



The ErgoPlus 3 operating concept

Even the very best machine with the most advanced technology can only really show its strengths if it can be operated easily and as intuitively as possible. At the same time, it should offer an ergonomic and safe working environment for the operating team. The ErgoPlus 3 operating concept accordingly focuses on the operator. With VÖGELE pavers, the user consequently retains full control over the machine and the construction project.

On the following pages, example illustrations will provide you with more detailed information on the extensive functions of the ErgoPlus 3 operating concept. ErgoPlus 3 encompasses the operator's platform, the paver operator's console and screed consoles and Niveltronic Plus, the System for Automated Grade and Slope Control.





“Full control for the

The paver operator's **ErgoPlus 3** console



machine operator!"

The paver operator's ErgoPlus 3 console

Pivot Steer steering brake

The Pivot Steer steering brake can be switched on with a simple push of a button in the "Positioning" and "Paving" modes. When activated, the speed of the rear inside wheel is automatically slowed down hydraulically when a steering movement is carried out. This reduces the turning circle to a minimum.



Idling function

Idling function is provided for the warm-up or cleaning of conveyors, augers and tamper.



AutoSet Plus Repositioning function (option)

With the AutoSet Plus Repositioning function, the paver is quickly and safely prepared for a move on the job site at the push of a button. After the move, all paver components are reset to their previous working positions simply by pressing the button again. This ensures that no settings are lost when changing between "Pave" and "Job Site" modes. AutoSet Plus also effectively prevents damage during transport.



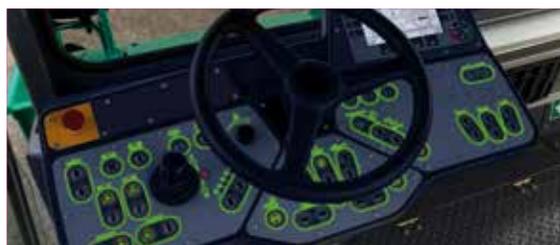
Choice of operating modes for the paver

All the main paving and machine functions can be controlled directly by individual push-buttons on the paver operator's ErgoPlus 3 console. By pressing the arrow buttons, up or down, the operator changes modes in the following order: "Neutral", "Job Site", "Positioning" and "Pave". An LED indicates the mode selected.



Safe operation during the night

Glarefree backlighting comes on automatically as darkness sets in so that the paver operator can also work safely on night-time jobs.



The paver operator's console is extremely clear and has been designed according to practical principles. All functions are combined into logical groups, so that the operator finds each function exactly where he would expect it to be. On the ErgoPlus 3 console, all push-buttons are easily identifiable by touch even when wearing work gloves.

Once a button is pressed, off you go, thanks to the "Touch and Work" principle. This means that a function is executed directly – without the need to confirm.





VÖGELE

F2

F4

F6

F8

F7

M2

M3

M4

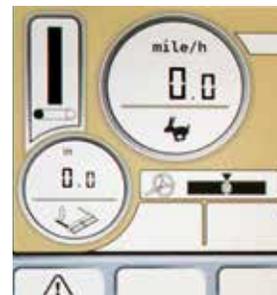
ESC

START/STOP

- **Module 1:** Conveyors and augers, traction
- **Module 2:** Screed
- **Module 3:** Material hopper and steering
- **Module 4:** Display for monitoring and adjusting basic settings

Display of the paver operator's console

The high-contrast colour display delivers brilliant readability even in poor lighting conditions. Vital information, such as the positions of the screed tow point rams or the material level in the conveyor tunnel, is shown on menu level 1. Further paver functions such as speeds of tamper and vibrators or feed rate of the augers can easily be set up via the display, too. And the display gives access to machine-related information such as fuel consumption or service hours.



PaveDock Assistant (option)

With the PaveDock Assistant signal lights, the paver operator can give the driver of the feed vehicle unambiguous signals indicating signals, indicating what needs to be done (e.g. reverse, stop, dump mix). The lights are conveniently activated directly from the paver operator's ErgoPlus 3 console.



Hopper wings and hydraulic hopper apron

The hydraulically operated hopper apron prevents spills of material when changing feed lorries. The two hopper wings can be folded separately or both together at the push of a button.



Choice of engine speed ranges

For the diesel engine, there is a choice of three modes to select from: MIN, ECO and MAX. To switch modes for engine rpm, all the operator needs to do is press the arrow buttons, up or down. In ECO mode, the engine delivers sufficient power for a great number of paving applications. Operating in ECO mode reduces noise emissions and fuel consumption considerably.



Screed Assist (option)

This button switches Screed Assist on (LED lights up) or off. Screed Assist pressure and balance can be set via the display. Screed Assist is active only when the screed is floating.





The screed operator's ErgoPlus 3 console

The screed is crucial for pavement quality, so easy, safe handling of all screed functions is of the utmost importance for high-quality road construction.

With ErgoPlus 3, the screed operator has the process of paving at his fingertips. All functions are easily comprehensible and all controls are clearly arranged.

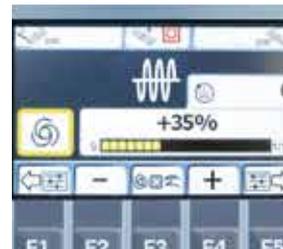
The screed console

The screed console is designed in keeping with the conditions prevailing on the job site. Push-buttons are provided for the frequently used functions operated from the screed console. These are watertight and surrounded by raised rings, to make them identifiable "blindfold" simply by touch, even when wearing work gloves. Important paver and screed data can be called up and adjusted from the screed console, too.



The display of the screed console

The display of the screed console allows the screed operator to control and monitor both the left and the right side of the screed. The screed operator can quickly and easily adjust machine-related parameters such as tamper speed or conveyor speed. The clear menu structure, combined with easily understandable, self-explanatory symbols neutral in language, makes operating the display panel both simple and safe.



Crown adjustment at the press of a button

The crown can be conveniently adjusted at the press of a button on the screed operator's console. When the "plus" or "minus" keys are pressed, the set crown value is shown on the display.



Ergonomic screed width control at two speeds

Screed width can be effortlessly adjusted by means of the SmartWheel. This is done at two speeds: slow, for precise control e.g. along an edge, or fast, for rapid extension or retraction of the screed.



Optimum visibility even in darkness

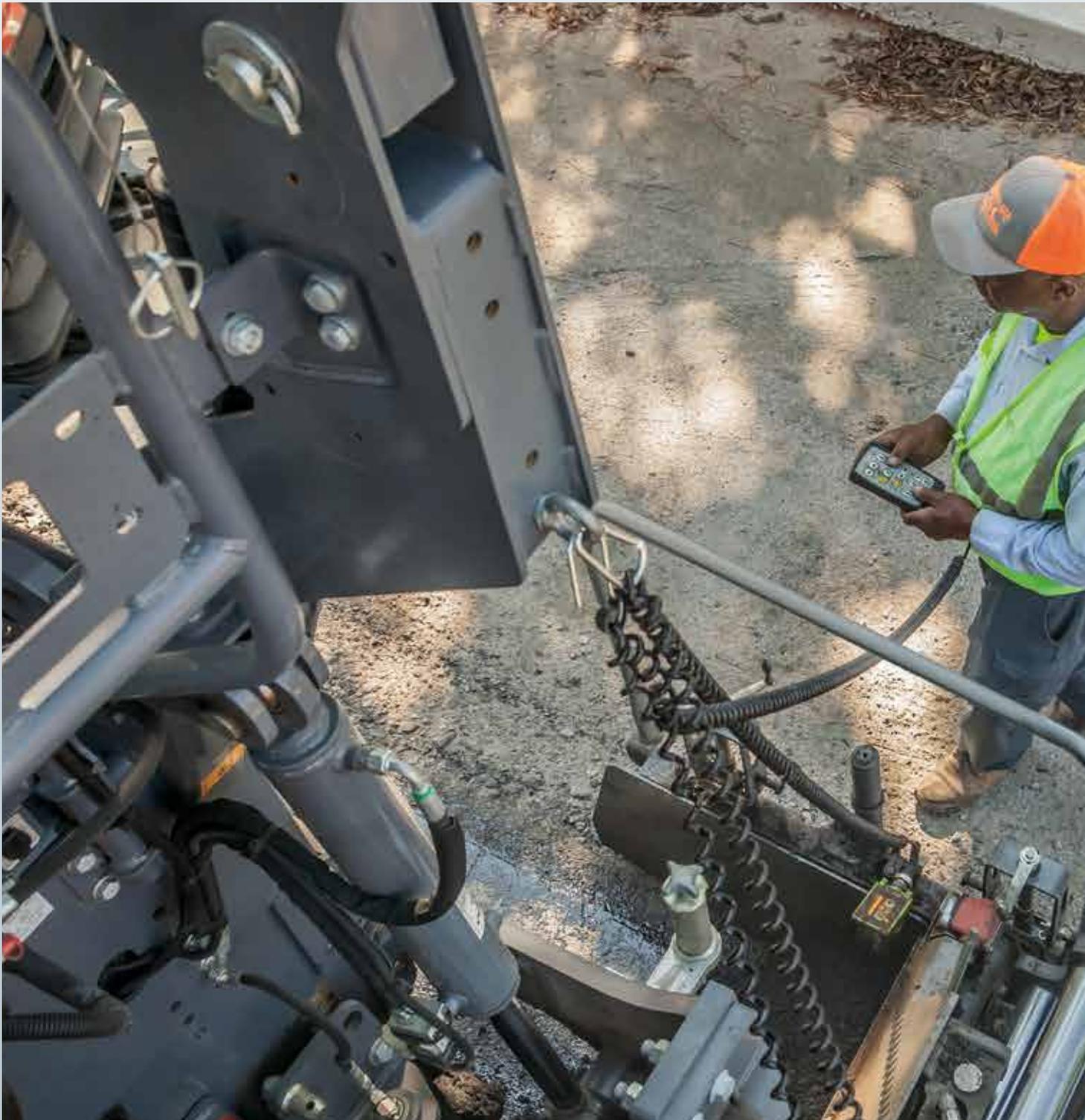
The screed console is specially designed for night-time operation. To prevent operator errors, the buttons are backlit as soon as dusk falls or in darkness. What is more, the downward-angled high-power LED lighting gives the operator a perfect view of all processes associated with the side plate.



The **ErgoPlus 3** remote control unit for the screed

In addition to the screed operating consoles, a compact and very durable remote control unit is available for each side of the VF 500 screed.

The remote control units can be securely stowed in the holders on the basic screed, or on the ends of the screed extensions.



The holders are magnetic, meaning that the remote control units are easy to grab at any time, giving the operator a large circle of movement so that he can always find the most effective working position in any paving situation.



All the main paving functions of the screed can be controlled using one of the two handy screed remote controls. Intuitive operation is possible thanks to self-explanatory and language-neutral symbols.

- 1 // Setting:** Conveyor, automatic/manual
- 2 // Setting:** Auger, automatic/manual
- 3 // Setting:** Screed, tow point cylinder
- 4 // Control:** Screed width
- 5 // Setting:** Power Tunnel, automatic/manual
- 6 // Setting:** Berm
- 7 // Setting:** Slope
- 8 // Setting:** Screed extension, height
- 9 // Lock:** Screed extension



VÖGELE Niveltronic Plus

Niveltronic Plus, the System for Automated Grade and Slope Control, is an in-house development by JOSEPH VÖGELE AG based on many years of experience in grade and slope control technology. Easy operation, precision and reliability are its hallmarks, ensuring perfect mastery of all grade and slope control jobs.

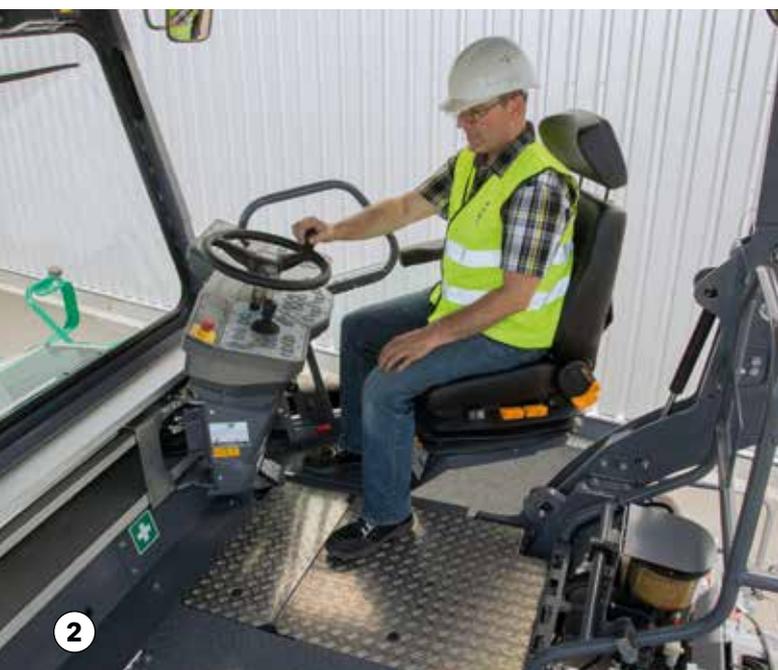
This fully integrated system is perfectly adapted to the machine technology of the Premium Line pavers. All wiring and connections, for instance, are integrated in the tractor unit and screed, effectively eliminating all risk of damage to these components.

VÖGELE naturally offers a particularly large and practical selection of sensors, permitting versatile use of the Niveltronic Plus system. Whether car parks, roundabouts or highways need building or rehabilitating, VÖGELE offers the right sensor for every job site situation.

Sensors can be changed quickly and easily, as Niveltronic Plus automatically detects which sensor is connected, thus simplifying the configuration process for the user.

Left-hand side of screed	Right-hand side of screed
<p>The value (in cm) displays the height of the tow point ram on the left-hand side.</p>	<p>The value (in cm) displays the height of the tow point ram on the right-hand side.</p>
<p>Shows the value specified for the sensor on the left-hand side. All values are indicated in mm, except for the slope sensor which indicates values in per cent.</p>	<p>Shows the value specified for the sensor on the right-hand side. All values are indicated in mm, except for the slope sensor which indicates values in per cent.</p>
<p>Shows the type of sensor selected for the left-hand side. Displayed in this example is the symbol for the sonic sensor used in Ground mode.</p>	<p>Shows the type of sensor selected for the right-hand side. Displayed in this example is the symbol for the sonic sensor used in Ground mode.</p>
<p>Shows the actual value currently picked up by the sensor.</p>	<p>Shows the actual value currently picked up by the sensor.</p>
<p>Shows the sensitivity set for the sensor in use.</p>	<p>Shows the sensitivity set for the sensor in use.</p>





The ErgoPlus 3 operator's stand

1. The comfortable operator's stand gives an unobstructed view of all crucial areas on the paver such as material hopper, steering guide or screed. It allows the paver operator to closely monitor the paver's feed with mix and the process of paving.

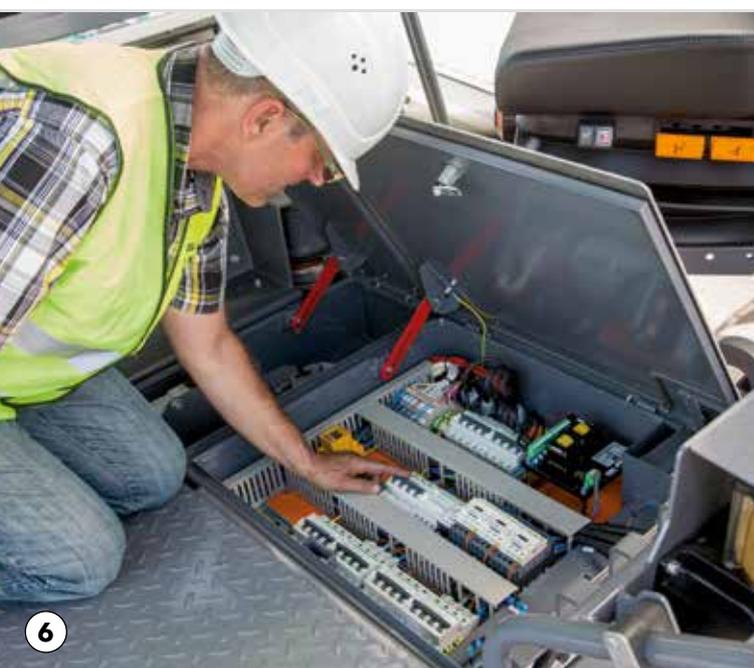
2. The seats swinging out to the sides and an operator's stand of streamlined design likewise provide maximum visibility of the auger tunnel, permitting the paver operator to keep an eye on the head of mix in front of the screed at all times.

3. Working comfort

The paver operator's seat and console on the platform, as well as the screed operator's platforms can now be adjusted even more easily to personal needs.

4. A place for everything and everything in its place

The operator's stand, with its streamlined design, is well organized, offering the paver operator a professional workplace. The operator's console can be protected by a shatter-proof cover to prevent wilful damage.



5. Hardtop gives excellent protection

The modern hardtop made of glass fibre-reinforced polymer material shelters the operator come rain or shine.

6. Consistent service concept

All "Dash 3" pavers have a consistent maintenance concept with identical service intervals.

7. Ergonomic screed console

The height and position of the console are easily adjusted. The high-contrast colour display can be read clearly from all angles.

8. Easy transport

The machine can be prepared quickly and easily for transport on a low-bed trailer. Even the hardtop can be folded down to transport position using a manual hydraulic pump.





VF 500 Extending Screed

Stability and variability are not mutually exclusive, as the front-mounted VF 500 Extending Screed from VÖGELE proves. With a basic width from 2.45 to 4.75 m and a maximum pave width of 5.95 m with bolt-on extensions it is the ideal tool for multivariable width applications and mainline paving. The unique VÖGELE telescoping system allows screed width control, accurate to the millimeter. The variability is also evidenced in the range of possible profiles: crowns, transverse slopes and berms are set once and then built perfectly from the start to the end of paving process. The compacting system provides great mat texture and excellent compaction. So for the SUPER 1703-3, the VF 500 Extending Screed is the perfect match.

Electric screed heating

A consistent surface texture is achieved by uniform heating of the screed plates. With the engine running at minimum rpm, the time required for the screed to reach operating temperature is reduced substantially due to an intelligent generator management system. With paver functions set to automatic, the generator management system activates Alternating mode for screed heating (heats the screed alternately on the left and right), a feature which is easy on the engine and reduces fuel consumption.

The screed for SUPER 1703-3

VF 500

Pave widths

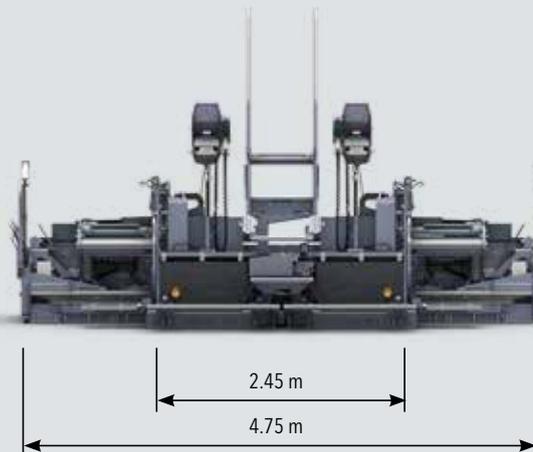
- » Infinitely variable range from 2.45 m to 4.75 m
- » Maximum pave width through bolt-on extensions:
 - » 5.35 m (2 x 30 cm)
 - » 5.95 m (2 x 60 cm)

Compacting system

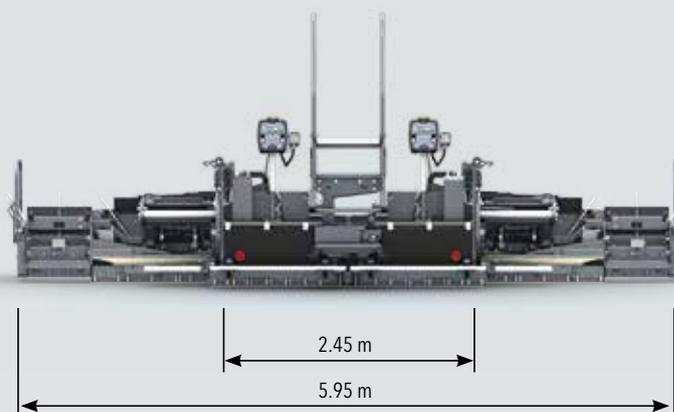
- » VF 500 V with vibrators



VF 500 V without bolt-on extensions

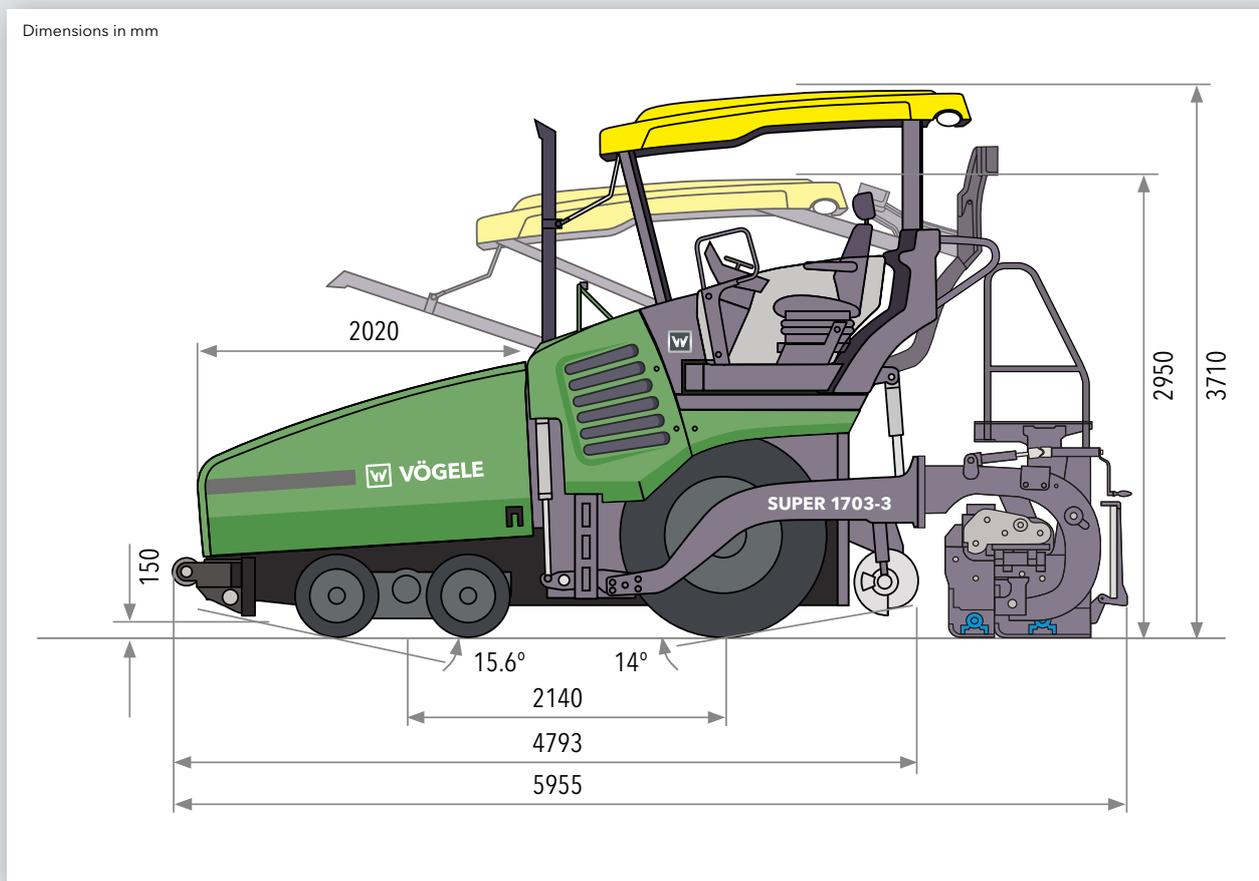


VF 500 V with 60 cm bolt-on extensions





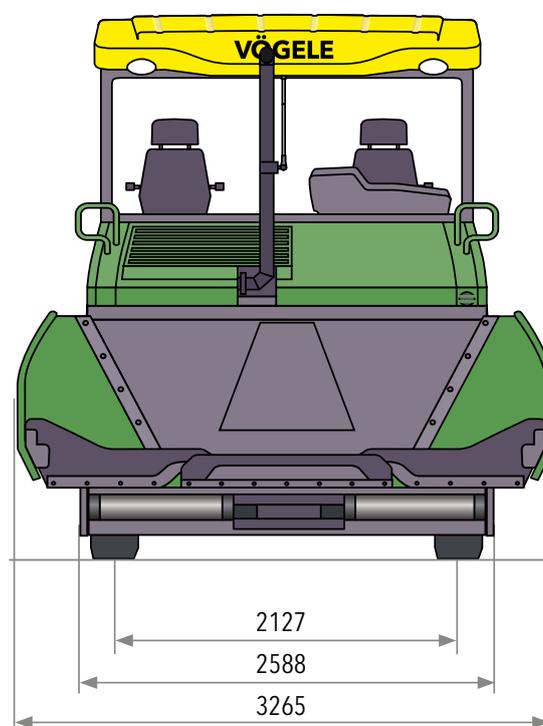
All the facts at a glance



Power unit	
Engine	Cummins
Type	QSB4.5 - C155
Output	
Nominal	116 kW at 2,000 rpm (according to DIN)
ECO mode	106 kW at 1,700 rpm
Exhaust emissions standard	EU Stage 3a, US EPA Tier 3
Fuel tank	220 liters
Undercarriage	
Front wheels	4, mounted on bogies (oscillating axle)
Tire equipment	solid tires
Tire size	540/300 - 390
Rear wheels	2, pneumatic tires, tubeless
Tyre size	14.00 R25
Traction drive	separate hydraulic drive provided for each wheel
Standard	2 rear wheels and 2 front wheels powered (6x4)
Option	2 rear wheels and 4 front wheels powered (6x6)

Undercarriage	
Speeds	
Paving	up to 76 m/min.
Travel	up to 20 km/h
Outside turning circle	minimum of 3.5 m with Pivot Steer
Material hopper	
Hopper capacity	13 t, including conveyor tunnel
Width	3,265 mm
Feed height	615 mm
Push-rollers	
Standard	oscillating
Positions	can be displaced forwards by 75 mm or 150 mm
Option	truck hitch

Key: VF = screed with front-mounted extensions V = with vibrators



Conveyors and augers	
Conveyors	2, with replaceable feeder bars, conveyor movement reversible for a short time
Drive	separate hydraulic drive provided for each conveyor
Speed	up to 40 m/min., infinitely variable (manual or automatic)
Augers	2, with exchangeable auger blades, auger rotation reversible
Diameter	400 mm
Drive	separate hydraulic drive provided for each auger
Speed	up to 120 rpm, infinitely variable (manual or automatic)
Height	infinitely variable by 15 cm, hydraulic
Lubrication	centralized lubrication system with electrically driven grease pump

Screed options		
VF 500	infinitely variable range	2.45 to 4.75 m
	maximum width	5.95 m
	compacting system	V
Layer thickness	up to 30 cm	
Screed heating	electrically by heating rods	
Power supply	three-phase AC generator	

Dimensions (transport) and weights	
Width	2.59 m
Length	tractor unit and screed
VF 500 V	5.6 m
Weights	tractor unit, hardtop and screed
VF 500 V	17,250 kg

Subject to technical modification.



Your VÖGELE QR Code will take you straight to the "SUPER 1703-3" on our website.



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