A WIRTGEN GROUP COMPANY

VÖGELE

## Highway Class

# SUPER 2000-3

## TRACKED PAVER


Maximum pave width 8.6m
Maximum laydown rate 1,400 tonnes/h
Transport width 3.05m

www.voegele.info

# The next generation of versatile asphalt pavers


**With the SUPER 2000-3** VÖGELE have now developed an entirely new paver which has been designed for markets where high pave speeds are required. The tracked SUPER 2000-3 is designed primarily for use in highway construction and large-scale commercial applications, which are all about power and productivity. With a powerful, 6-cylinder Cummins engine rated at 179kW and high-output hydraulic drives, it is fully equipped for these jobs.

The SUPER 2000-3 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. In addition, it now has a large colour display that ensures good readability even in poor lighting conditions. The screed operating consoles have been completely redesigned, making operation of this new "Dash 3" machine even easier for the entire paving crew.

With its new Highway Class paver, VÖGELE also offer the right screed for every application. The SUPER 2000-3 can be combined with the VF 600, the screed with front-mounted extensions, as well as the VR 600 and AB 600, two screeds with rear-mounted extensions. The AB 600 Extending Screed is equipped with both a vibrator system and tamper, meaning it can achieve higher compaction. It is ideal for placing recycled materials or RCC applications.

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

# The highlights of the SUPER 2000-3



**Tracked Highway Class paver** with a large range of applications and pave widths up to 8.6m

**Powerful and economical drive concept,** even when operating at full load in any climate zone

**The VÖGELE EcoPlus low-emissions package** significantly reduces fuel consumption and noise levels

**Optimum feeding with mix** thanks to the large material hopper, PaveDock sprung push-rollers and PaveDock Assistant communication system

**ErgoPlus 3 operating system** with numerous convenient and automatic functions

**The right screed** for every application. The paver can be combined with the VF 600, VR 600 or AB 600 Extending Screeds.

# Efficiency, performance and low fuel consumption



**The powerful six-cylinder diesel engine** rated at 179kW is the force behind this Highway Class paver.

**Intelligent engine management** with ECO mode and VÖGELE EcoPlus low-emissions package keep fuel consumption and noise levels low.

**Low input – maximum output:** all drive components including the three-phase A.C. generator are powered via the central splitter gearbox and operate with maximum efficiency.

**Crawler tracks** with high tractive power efficiently translate the engine output into pave speed.

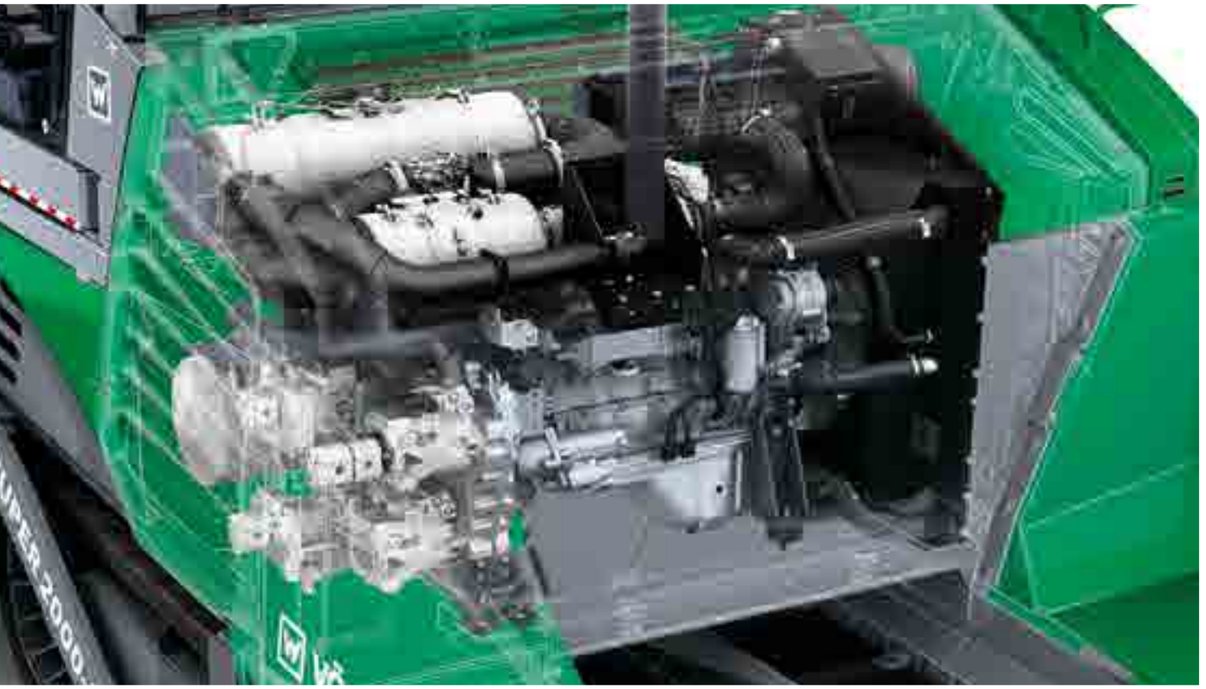
# Modern drive technology

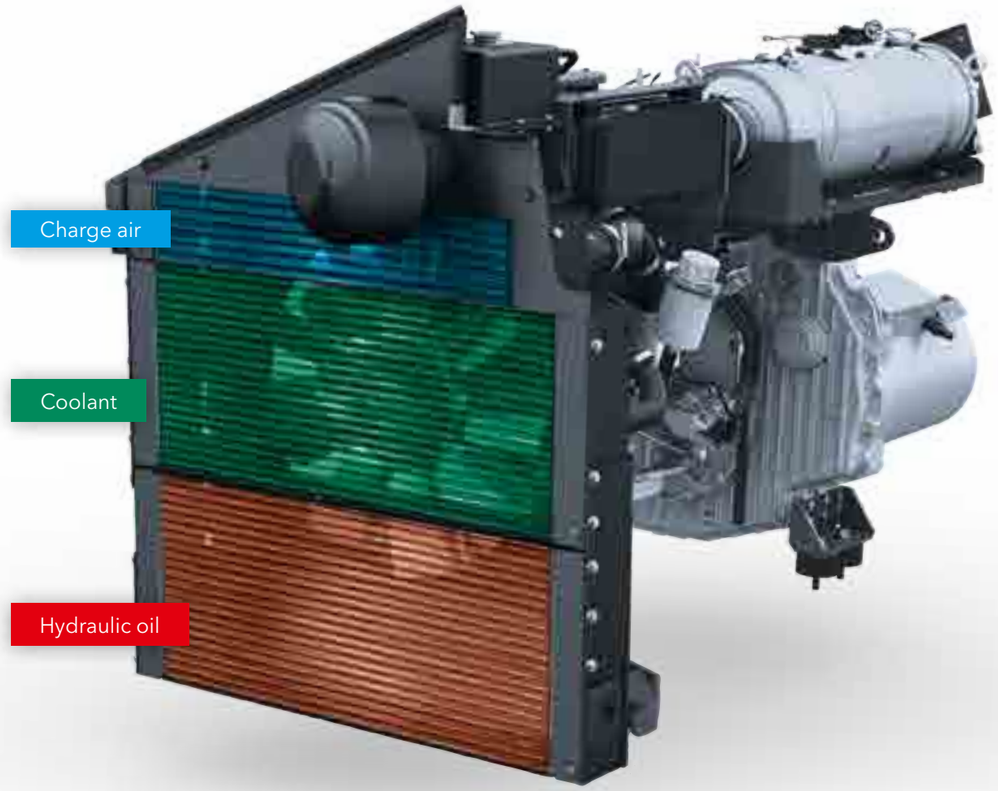
**Three main components** define the power unit of a SUPER 2000-3: its modern, liquid-cooled diesel engine, a splitter gearbox flanged directly to the engine and a large cooler assembly.

The driving force in this power pack from VÖGELE is its Cummins diesel engine of type Typ QSB6.7-C240. This six-cylinder engine delivers 179kW at 2,000rpm. Yet the fuel-saving ECO mode is sufficient for many applications. And even then, the SUPER 2000-3 still has a full 168kW at its disposal. Moreover, the machine generates even less noise when running at just 1,700rpm.

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 continually 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.

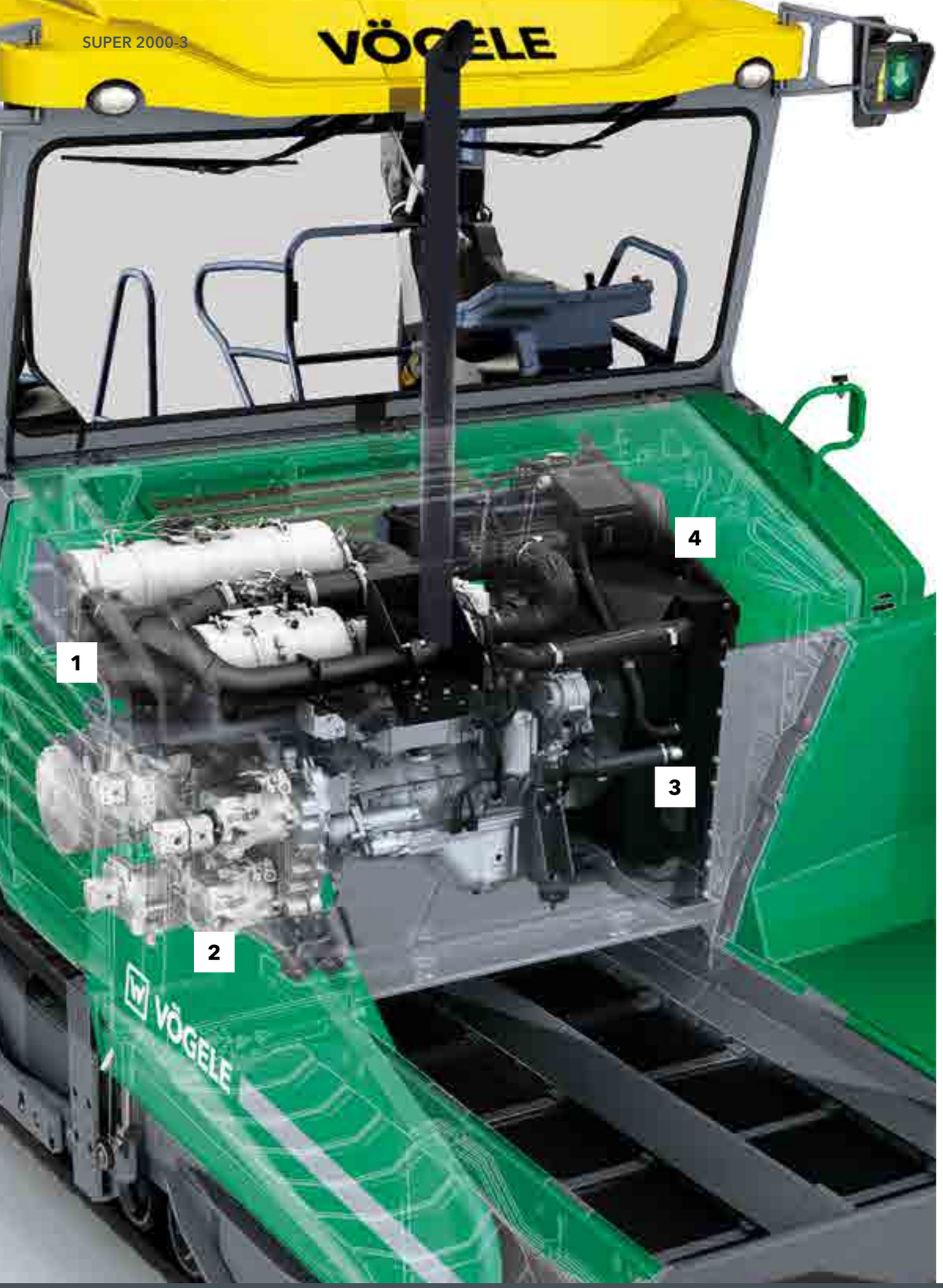
All hydraulic consumers are directly supplied with hydraulic oil via the splitter gearbox. The advantage is that all hydraulic pumps and valves are centrally located, making them easily accessible for servicing. Even the powerful generator for screed heating is flanged directly onto the splitter gearbox; its integrated oil cooling system makes it completely maintenance-free and very quiet.






*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 yet economical** Cummins 6-cylinder diesel engine with ECO mode.
- **ECO mode for paver operation** at 1,700rpm is perfectly adequate for numerous applications. It cuts operating costs and allows superquiet operation.
- **Self-diagnostics** and sensors for all engine vitals eliminate daily checks. Simply put, the engine is daily maintenance-free.
- **The fuel tank** holds 380 litres, more than enough for a day's work.
- **A powerful, oil-cooled generator** with direct drive ensures rapid, uniform heating of the screed. The generator is directly driven by the splitter gearbox. The drive system is therefore maintenance free.




# VÖGELE EcoPlus
# low-emissions package

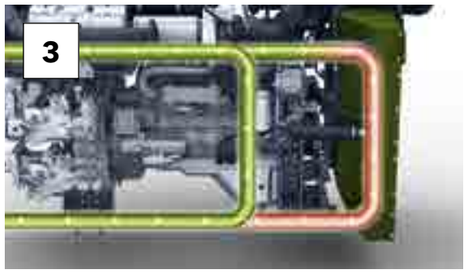
**The philosophy** behind the drive concept of the "Dash 3" generation was "lower consumption – lower emissions – lower costs". In this respect, the innovative VÖGELE EcoPlus low-emissions package includes a whole series of measures to significantly reduce fuel consumption and noise levels.


**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.


**Energy-optimized tamper drive**

The tamper is driven by a variable-displacement pump which always delivers exactly the amount of oil needed for the current tamper speed and not a drop more or less.




**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.


**Variable-speed fan**

The variable-speed fan automatically adapts to the engine load and the 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.

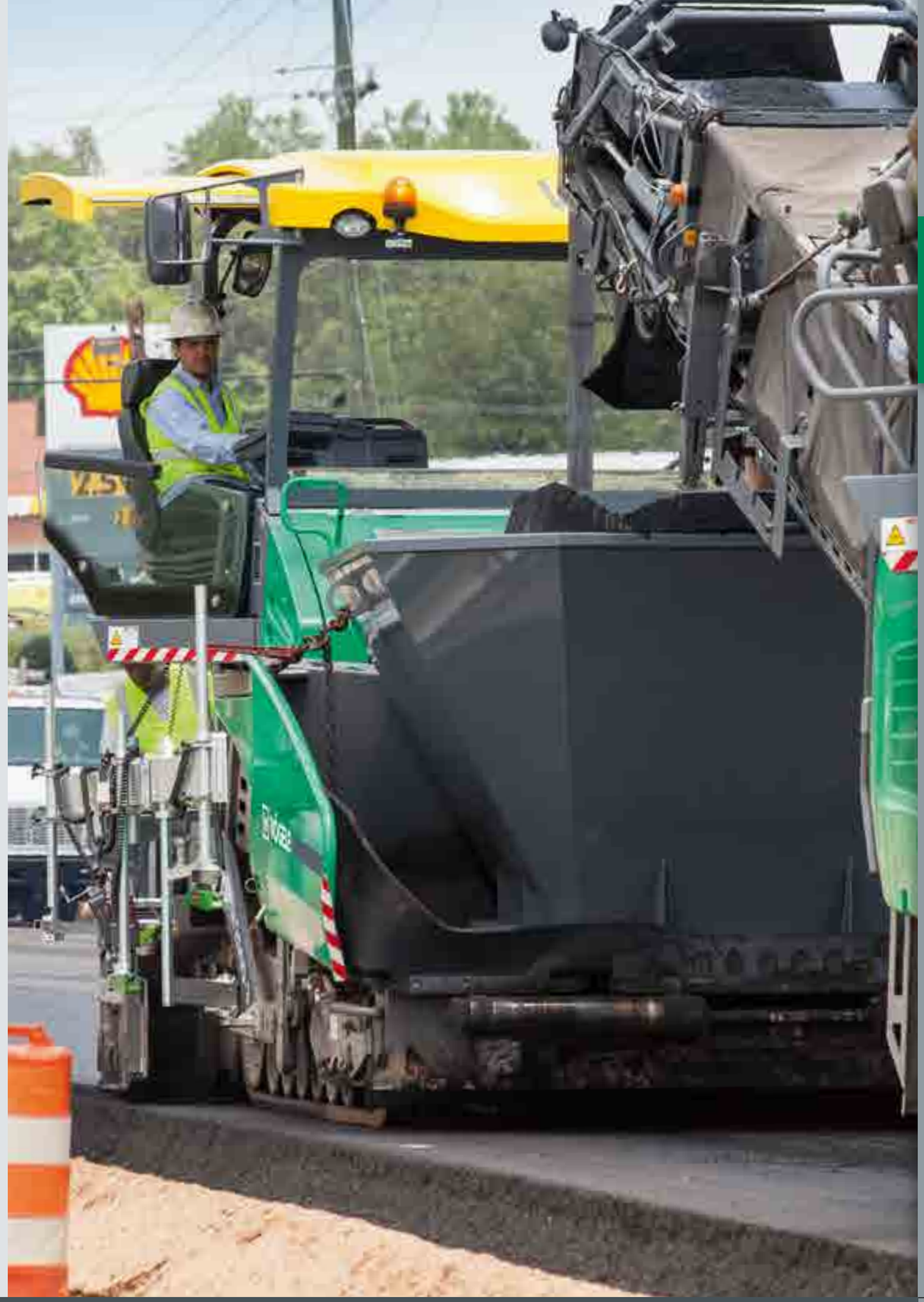
# Efficient translation of tractive power

**A strong point of the SUPER 2000-3** are the continuous rubber tracks. Due to the large track width of 457mm, pave speeds up to 76m/min. are possible. The large footprint also provides excellent flotation and tractive effort.

The powerful, separate drives are integrated directly into the sprockets of the rubber tracks, meaning that engine output is transmitted without any loss of power. As a result, the SUPER 2000-3 can push any feed lorry with ease.

The SUPER 2000-3 also displays impressive manœuvrability and high mobility. It can turn on the spot and easily masters difficult terrain with inclines and slopes.


- **Continuous rubber tracks,** 457mm wide, with self-aligning front idlers provide for optimal steering under any conditions. Dual track tensioning cylinders provide perfect alignment.
- **Powerful track drives** and engine output provide maximum torque with no loss of power.
- **Long crawler tracks** with large footprints provide for maximum tractive effort, allowing the paver to progress well at a constant speed even when operating on difficult terrain.
- **The most advanced steering control** in the industry provides precise straight-line tracking and smooth, accurate turns.



# Precision paving with material management



**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 2000-3 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.

PaveDock Assistant from VÖGELE is an innovative solution standardizing and simplifying communication between the paver operator and driver of the feed vehicle.

# Extra large material hopper and 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** holding 15 tonnes is dimensioned so that a sufficient quantity of mix is stored at all times. Coping with difficult situations such as paving under bridges, for instance, poses no problem. Two rams per side provide smooth operation of the hopper sides.
- **Sloped inner design** of the hopper for an optimal flow of material to prevent segregation.
- **Easy lorry exchange** due to 620mm feed height, wide hopper sides, and sturdy rubber flashing.
- **Large oscillating push-rollers** can be displaced forwards by 75 or 150mm to cater to the most diverse feed vehicles. A truck hitch is available as an option.

An extra material hopper for the paver is available for supplying mix from a material feeder.

# Precision material delivery prevents segregation




**Thanks to effective spreading of the material,** the SUPER 2000-3 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 1,400 tonnes/h.


*Hydraulically adjustable augers are infinitely variable in height within a range of 15cm. 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.

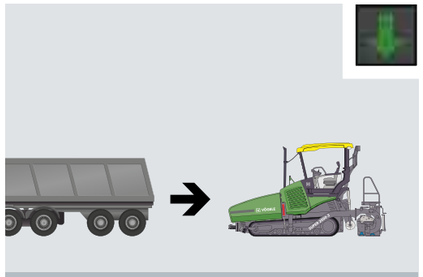
» **Inclined conveyors** from the front to the rear of the machine provide ideal delivery of the material onto the augers.

» **Large, 40cm 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.

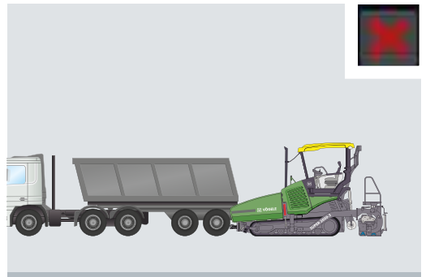
» **Narrow conveyor guard** in the material hopper guarantees uniform material flow.

*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.*

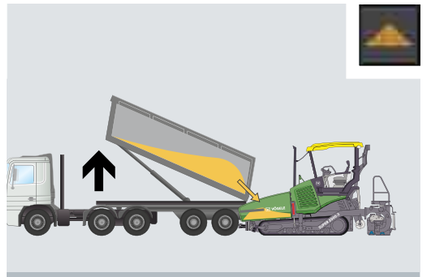
# PaveDock Assistant:
# The communication system



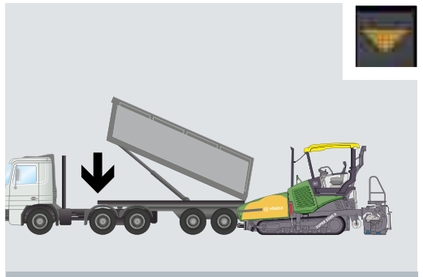
**Dock:** Lorry drives up to the paver and docks.



**Stop:** Lorry must halt. It has docked.

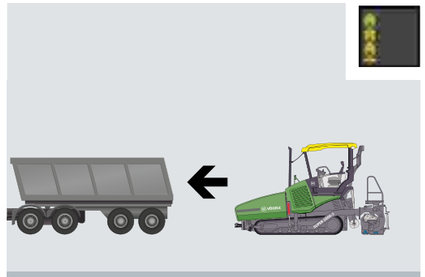


**Raise dump box:** Lorry raises the dump box.



**Lower dump box:** Lorry lowers the dump box.

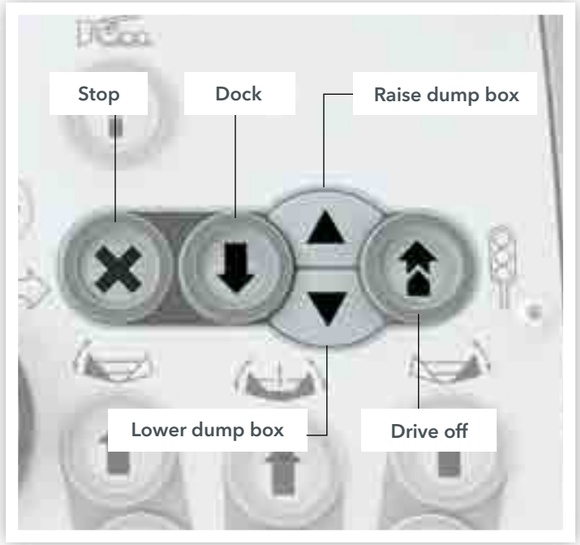
**Drive off:** Lorry drives away from the paver.



**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.




# PaveDock dampens impacts effectively

**As an alternative** to the oscillating push-rollers, VÖGELE also supply PaveDock sprung push-rollers. These absorb jolts by the feed vehicle even more effectively and reliably, thus ensuring that they are not transmitted to the finished pavement.

Together with the PaveDock Assistant, the sprung push-rollers maximize process safety during transfer of the mix: a sensor installed in the sprung push-rollers indicates whenever a feed vehicle has docked onto the paver. The signal lights display the stop signal automatically and directly. The feed vehicle driver can thus react immediately.

# 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 comfort 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 and deflectors in front of the crawler tracks.

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

Automated configuration of the paver.

Stores all paving-relevant parameters.

Selection of stored paving programs.

Reproducible quality.

# AutoSet Plus
## Repositioning function

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

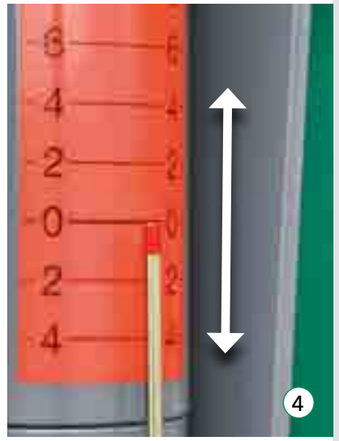
Simply pressing the “Execute” button raises the augers, the hydraulically operated hopper front and the deflectors in front of the crawler tracks to the uppermost positions. The screed and the screed tow point rams are brought into transport position. In addition, the screed is locked hydraulically in 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.

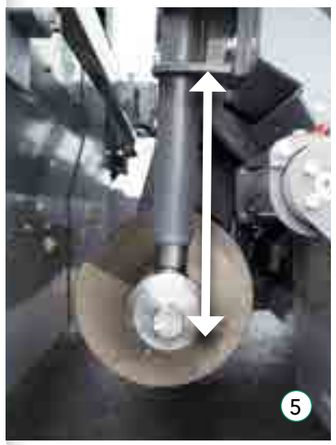
Once the paver has been repositioned, pressing the “Execute” button again returns all systems to the previously stored working positions.

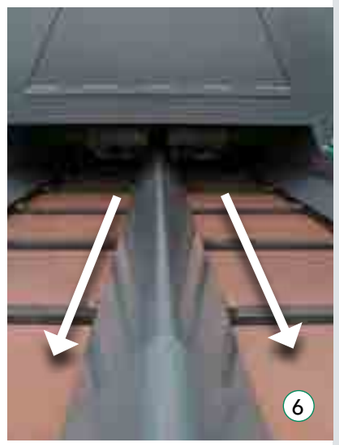
This ensures that no settings are lost when changing from paving to repositioning or transport. It also effectively prevents any damage to the machine.

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/lower** deflectors in front of the crawler tracks.
8. **Raise** hopper front.






# AutoSet Plus
## Paving Programs




**The automatic Paving Programs function** allows the operating personnel to store their own paving programs. All key parameters for paving a specific layer (example: base course of asphaltic concrete, 18cm thick) can thus be saved.

On the display of his console, the paver operator saves 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 the pave speed in his program.

He also enters the amount of crown and the screed temperature. The program is completed with additional information on the material being used, the layer thickness and the 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 while maintaining a consistent quality.

SUPER 2000-3

# 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. Therefore, the ErgoPlus 3 operating concept focuses on the operator. With VÖGELE pavers, the user consequently retains full control over the machine and 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 stand, the paver operator's console and screed consoles and Niveltronic Plus, the System for Automated Grade and Slope Control.

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



***"Full control for the machine operator"***

# The paver operator's ErgoPlus 3 console

**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 a need to confirm.

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


### No-load function

The no-load function is provided for the warm-up or cleaning of conveyors, augers and tamper.

### Reversing conveyor movement

In order to avoid mix dropping from the conveyors during a move of the paver on the job site, conveyor movement can be reversed at the push of a button. Reverse movement, transferring mix from the rear of the conveyor tunnel back inside, takes place for a short time only and stops automatically.

### 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.

### Display of the paver operator's console

The high-contrast colour display provides for brilliant readability even in poor lighting conditions. Vital information is shown on menu level 1, such as the positions of the screed tow point rams or the material level in the conveyor tunnel. Further paver functions such as speeds of tamper and vibrators or feed rate for the conveyors 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 unmistakable 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.

### Choice of engine speed ranges

For the 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 emission and fuel consumption considerably.

### Screed Assist (option)

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


# The ErgoPlus 3 screed console

**The screed is crucial for pavement quality.** Therefore, easy and positive handling of all screed functions is of the utmost importance for high-quality road construction.

With ErgoPlus 3, the screed operator has the paving process 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 enclosed in palpably raised rings, so that they are 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. Machine-related parameters such as speeds of conveyor or vibrators can be adjusted conveniently via the display panel of the screed console. 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 pressing the "plus" or "minus" keys, the set crown value is shown on a pop-up window. The conveyors and augers are adjusted accordingly.


### Ergonomic screed width control in two speeds

The screed width can be effortlessly adjusted by means of the SmartWheel. This is done in 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 screed to operate the VF 600 and VR 600 screeds.

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 radius 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 control units. Simple, language-neutral symbols allow the machine to be operated intuitively.

**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

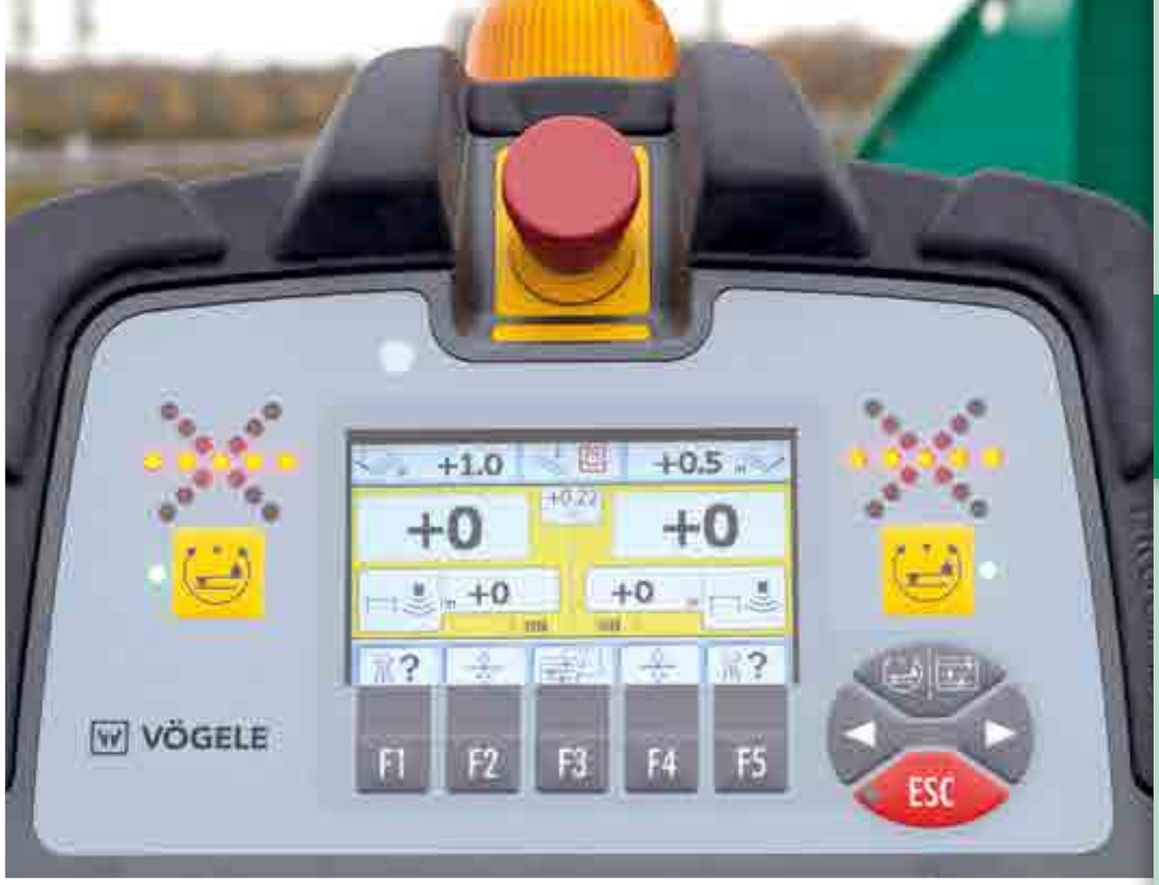
# VÖGELE Niveltronic Plus

**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 optimally adapted to the machine technology of the SUPER pavers. All wiring and connections, for instance, are integrated into the tractor unit and screed, effectively eliminating all risk of damage to these components.

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

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




ERGOPLUS 3

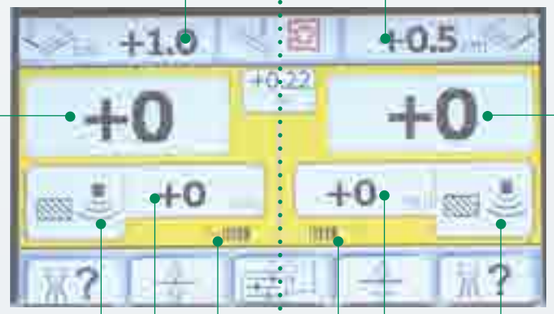
**Left-hand side of screed** | **Right-hand side of screed**

The value (in cm) displays the height of the tow point ram on the left-hand side.

The value (in cm) displays the height of the tow point ram on the right-hand side.

Shows the value specified for the sensor on the left-hand side. For grade sensors, values are indicated in mm. When working with the slope sensor, values are indicated in percent.

Shows the value specified for the sensor on the right-hand side. For grade sensors, values are indicated in mm. When working with the slope sensor, values are indicated in percent.




Shows the type of sensor selected for the left-hand side. Displayed here in this example is the symbol of the sonic sensor used in Ground mode.

Shows the type of sensor selected for the right-hand side. Displayed here in this example is the symbol of the sonic sensor used in Ground mode.

Shows the actual value picked up by the sensor.

Shows the actual value picked up by the sensor.

Shows the sensitivity set for the sensor selected.

Shows the sensitivity set for the sensor selected.

1


2


3


4


5


6


7

8

# 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 provide for 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, as well as the screed consoles 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 fiber-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.

# Screed options for all paving applications

**Given its enormous tractive effort** and high laydown rate, the SUPER 2000-3 is the ideal machine for paving in large widths. In order to achieve an optimal paving result for every kind of application, VÖGELE offer screeds which operate with high precision. A variety of screed options are available for the SUPER 2000-3, featuring different equipment with compacting systems. The paver can be combined with the VF 600, the VR 600 and the AB 600 Extending Screeds.

**VÖGELE VF 600** screed, with unequal-width front-mounted extensions for multivariable width applications. Maximum pave width is 7.75m with bolt-on extensions.

**VÖGELE VR 600** screed, with rear-mounted extensions for mainline applications. Maximum pave width is 8.6m with bolt-on extensions.

**VÖGELE AB 600** screed, with rear-mounted extensions, achieves higher compaction thanks to vibrators and tamper. The screed is particularly suited for placing cold RAP (Reclaimed Asphalt Pavement) for roadbase and polymer modified asphalt. Maximum pave width is 8.5m with bolt-on extensions.

### Electric screed heating

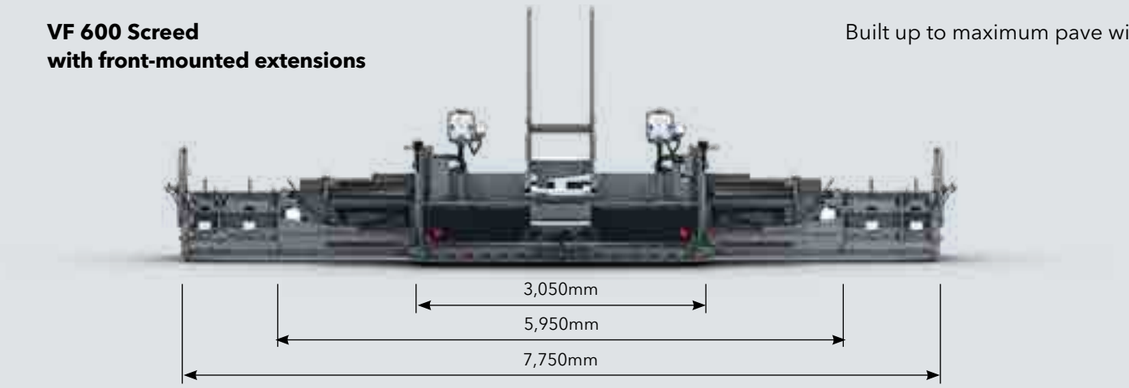
A consistent surface texture is provided by uniform heating of the screed plates. With the paver's engine running at minimum rpm, the time required for the screed to reach its operating temperature is reduced substantially thanks to an intelligent generator management system. When the paver functions are 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.

# Screed options for SUPER 2000-3



**VF 600 Screed**
**with front-mounted extensions**

Built up to maximum pave width

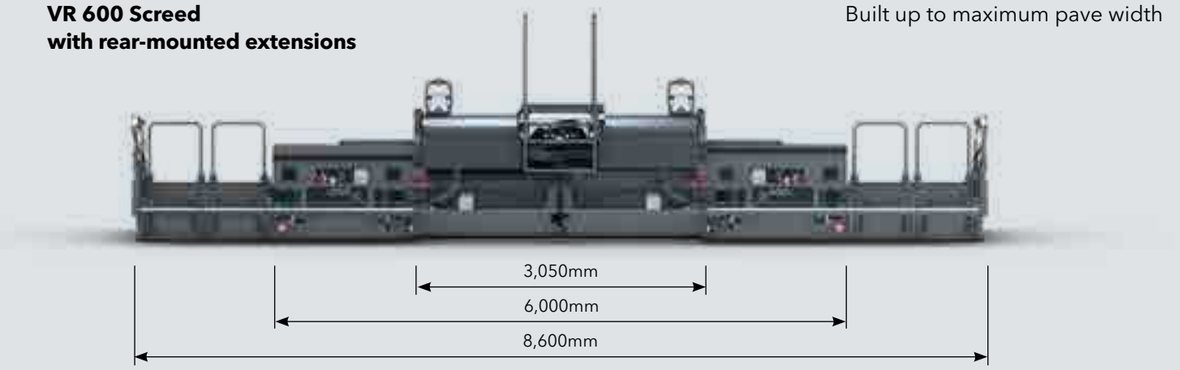



**Pave widths**
- Infinitely variable range from 3.05m to 5.95m
- Maximum pave width with bolt-on extensions 7.75m

**Compacting system**
- VF 600 V with vibrators

**VR 600 Screed**
**with rear-mounted extensions**

Built up to maximum pave width

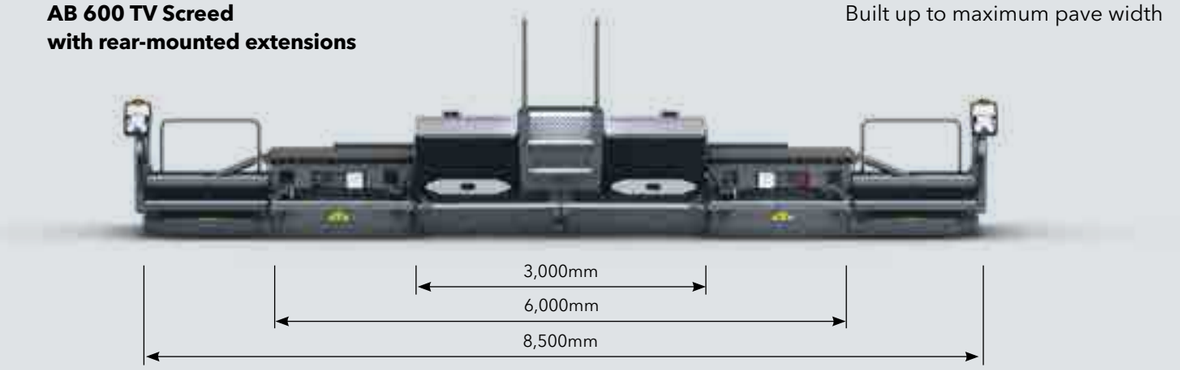



**Pave widths**
- Infinitely variable range from 3.05m to 6m
- Maximum pave width with bolt-on extensions 8.6m

**Compacting system**
- VR 600 V with vibrators

**AB 600 TV Screed**
**with rear-mounted extensions**

Built up to maximum pave width

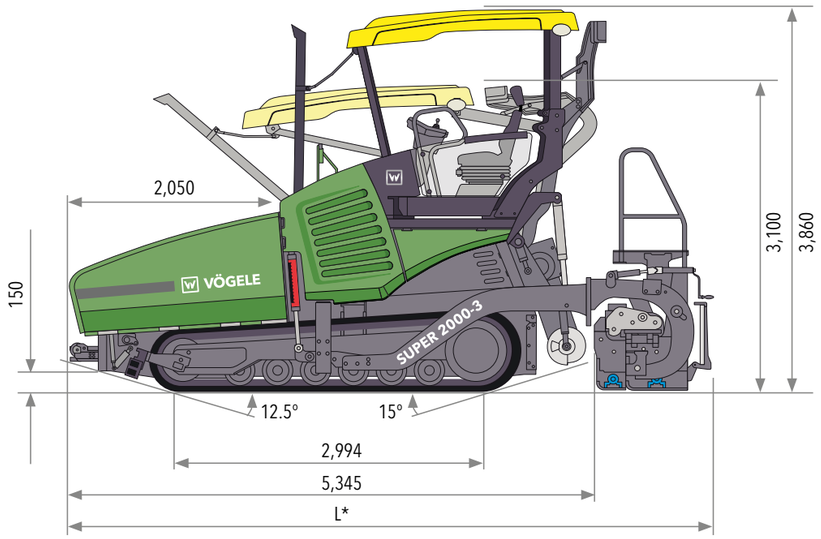


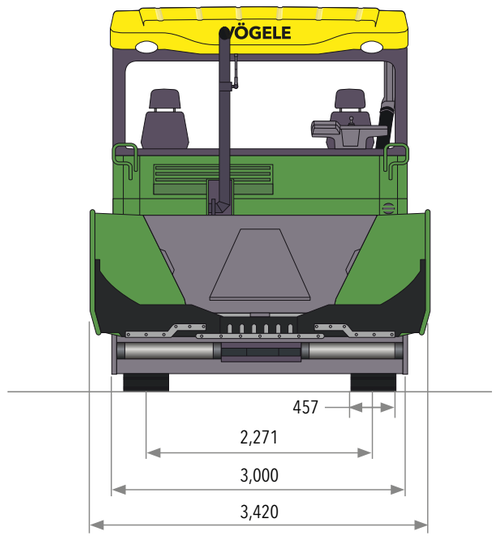

**Pave widths**
- Infinitely variable range from 3m to 6m
- Maximum pave width with bolt-on extensions 8.5m

**Compacting systems**
- AB 600 TV with tamper and vibrators

# All the facts at a glance

Dimensions in mm
L* = Dependent on screed type
(see specification)




| Power unit | |
|---|---|
| **Engine** | 6-cylinder diesel engine, liquid-cooled |
| Manufacturer | Cummins |
| Type | QSB6.7-C240 |
| **Output** | |
| Nominal | 179kW at 2,000rpm (according to DIN) |
| ECO mode | 168kW at 1,700rpm |
| **Exhaust emissions standard** | EU Stage 3a, US EPA Tier 3 |
| **Fuel tank** | 380 litres |

| Undercarriage | |
|---|---|
| **Crawler tracks** | continuous rubber band |
| Ground contact | 2,994 x 457mm |
| Track roller lubrication | lifetime |
| **Traction drive** | separate hydraulic drive and electronic control provided for each crawler track |
| **Speeds** | |
| Paving | up to 76m/min., infinitely variable |
| Travel | up to 12km/h, infinitely variable |

| Material hopper | |
|---|---|
| **Hopper capacity** | 15t |
| **Width** | 3,420mm |
| **Feed height** | 620mm |
| **Push-rollers** | |
| Standard | oscillating |
| Positions | can be displaced forwards by 75mm or 150mm |
| Option | truck hitch |
| Option | sprung (PaveDock) |

| 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 60m/min., infinitely variable (manual or automatic) |

| Conveyors and augers | |
|---|---|
| **Augers** | 2, with exchangeable auger blades, auger rotation reversible |
| Diameter | 400mm |
| Drive | separate hydraulic drive provided for each auger |
| Speed | up to 130rpm, infinitely variable (manual or automatic) |
| Height | infinitely variable by 15cm, hydraulic |
| **Lubrication** | centralized lubrication system with electrically driven grease pump |

| Screed options | | |
|---|---|---|
| **VF 600** | basic width | 3.05m |
| | infinitely variable range | 3.05m to 5.95m |
| | maximum width (V) | 7.75m |
| **VR 600** | basic width | 3.05m |
| | infinitely variable range | 3.05m to 6m |
| | maximum width (V) | 8.6m |
| **AB 600** | basic width | 3m |
| | infinitely variable range | 3m to 6m |
| | maximum width (TV) | 8.5m |

| Screed options | |
|---|---|
| **Screed versions** | V (VF 600, VR 600), TV (AB 600) |
| **Layer thickness** | up to 30cm |
| **Screed heating** | electric by heating rods |
| Power supply | three-phase A.C. generator |

| Dimensions (transport) and weights | |
|---|---|
| **Lengths** | tractor unit and screed |
| VF 600 V | 6.510m |
| VR 600 V | 6.865m |
| AB 600 TV | 6.625m |
| **Weights** | tractor unit, hardtop and screed |
| VF 600 V | 22.25t |
| VR 600 V | 22.65t |
| AB 600 TV | 22.55t |

**Key:** **AB =** Extending Screed **V =** with vibrators **VF =** Screed with front-mounted extensions **TV =** with tamper and vibrators **VR =** Screed with rear-mounted extensions

Subject to technical modification.

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*Your VÖGELE QR Code will take you directly to the "SUPER 2000-3" on our website.*


**JOSEPH VÖGELE AG**
Joseph-Vögele-Str. 1
67075 Ludwigshafen · Germany
marketing@voegele.info

Telephone: +49 (0)621 8105 0
Fax: +49 (0)621 8105 461
www.voegele.info



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