

Tracked Paver

# SUPER 1900-3i

Highway Class



Maximum Pave Width 11m

Maximum Laydown Rate 900 tonnes/h

Transport Width 2.55m

[www.voegele.info](http://www.voegele.info)

# The Highlights of the New Generation

» "VÖGELE EcoPlus" low-emissions package significantly reduces fuel consumption and noise levels

» "AutoSet Plus" functions permit a quick and safe move of the paver on the job site and the saving of individual paving programs

» Sprung "PaveDock" push-rollers reliably absorb all jolts from the feed vehicle

» The "PaveDock Assistant" enhances process safety during transfer of the mix

» ErgoPlus 3 with a number of additional ergonomic and functional advantages

» Powerful Cummins engine of the very latest generation





## Powerful, Efficient and Economical



The tracked SUPER 1900-3i is a model of the modern “dash 3” paver generation from VÖGELE. The machine features a unique design as well as ergonomic operating comfort and high performance with minimum consumption. When developing this road paver, a special focus was on ergonomic, economic and ecological aspects.

The “VÖGELE EcoPlus” package, for instance, significantly reduces both fuel consumption and noise levels.

The VÖGELE ErgoPlus 3 operating system has been supplemented by numerous ergonomic and functional features for the “dash 3” generation. The paver operator’s console,

for example, comes with a large four-colour display which provides brilliant readability even in poor lighting conditions.

In addition, the convenience functions “AutoSet Plus” and “PaveDock Assistant” make work with the SUPER 1900-3i even easier.

The SUPER 1900-3i is a powerful paver excellently suited for many different applications up to a maximum pave width of 11m.



# Economical and Eco-Friendly “VÖGELE EcoPlus” Package

## Saving Fuel with “VÖGELE EcoPlus”

The philosophy behind the drive concept of the “dash 3” generation is: “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

### 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.

4

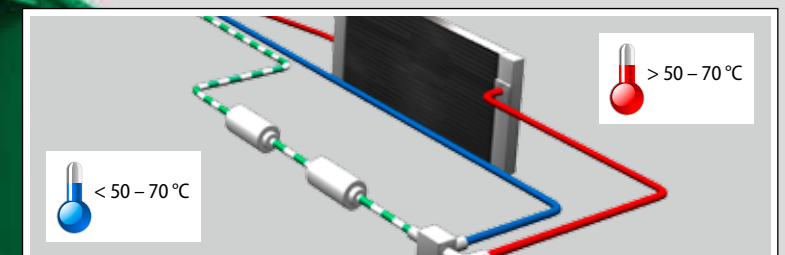
### VARIABLE-SPEED FAN

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

3

### 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.



2

### 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 new function cuts fuel consumption considerably. Reducing the trailing load also makes it significantly easier to start the paver at low ambient temperatures.



# Automated Processes with “AutoSet Plus”

1

## “AutoSet Plus”: The 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”: The Paving Programs

- » Automated configuration of the paver.
- » Stores all paving-relevant parameters.
- » Selection of stored paving programs.
- » Reproducible quality.



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 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 travels 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.



## “AutoSet Plus” Repositioning Function



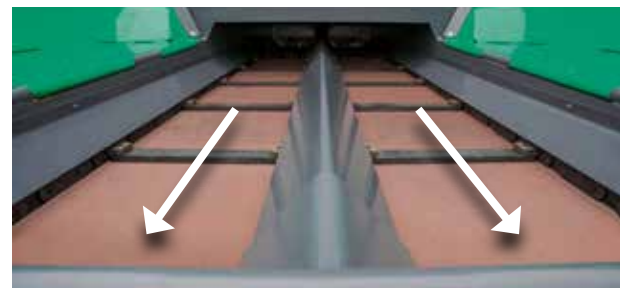
1 Raise/lower screed



2 Lock/unlock screed



3 Raise/lower auger



4 Conveyor movement reversible for a short time



5 Raise/lower deflectors in front of the crawler tracks



6 Raise/lower hopper front

“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 is brought into its transport position and hydraulically locked. The conveyors are temporarily reversed, preventing mix 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 position.

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

## “AutoSet Plus” Paving Programs



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

The paver operator stores the configured values for the compacting systems (tamper and vibrator speed, pressure for pressure bar(s)), the auger height, the position of the screed tow points, Screed Assist and the pave speed in the program via the display on the paver operator's console. 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.



## Process Safety for Material Transfer with “PaveDock” and “PaveDock Assistant”



The SUPER 1900-3i paver's material hopper and material handling systems are dimensioned for performance at the highest level, so that the large paver can achieve laydown rates of up to 900t/h.

A constant feed of material to the paver is a fundamental prerequisite for high-quality paving. “PaveDock”, which consists of sprung push-rollers, efficiently prevents the transmission of jolts from the feed vehicle to the paver

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

The VÖGELE “PaveDock” push-rollers and the “PaveDock Assistant” communication system contribute greatly to process safety during transfer of the mix.



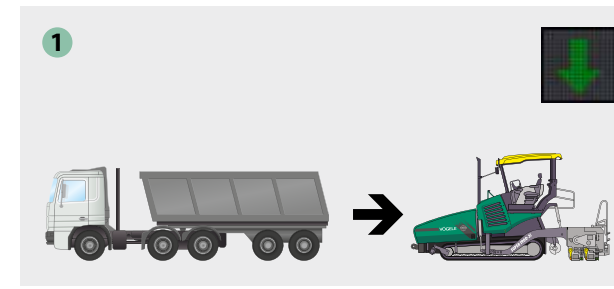
## “PaveDock” Dampens Impacts Effectively



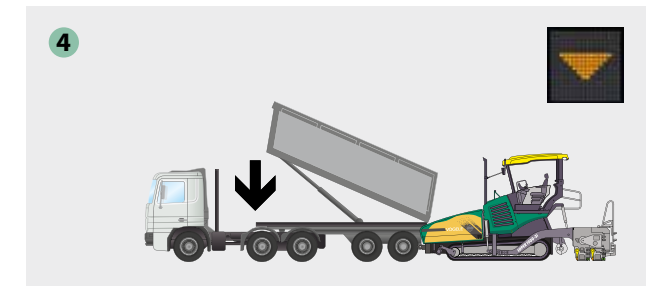
“PaveDock” consists of sprung push-rollers. The particularly sturdy VÖGELE system efficiently absorbs jolts from the feed vehicle while docking onto the paver so that impacts are not transmitted to the material being placed. Together with the “PaveDock Assistant”, the sprung push-rollers maximize process 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 automatically and directly indicate the stop signal. The feed vehicle driver can thus react immediately.



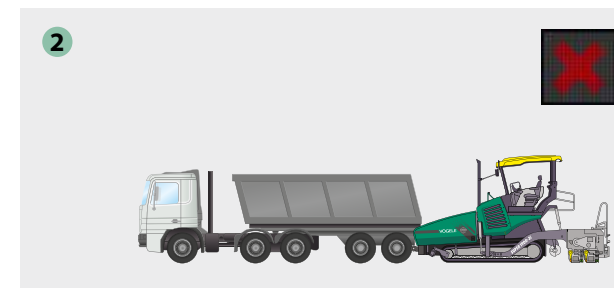
## “PaveDock Assistant”: The Communication System



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



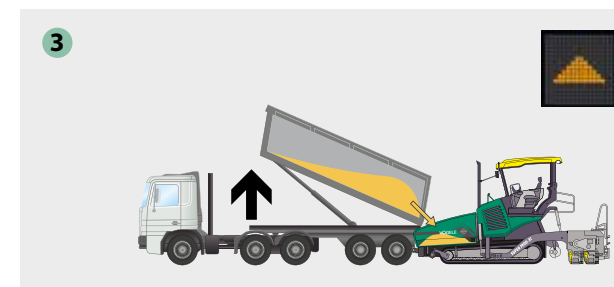
**Lower Dump Box:** Lorry lowers the dump box.



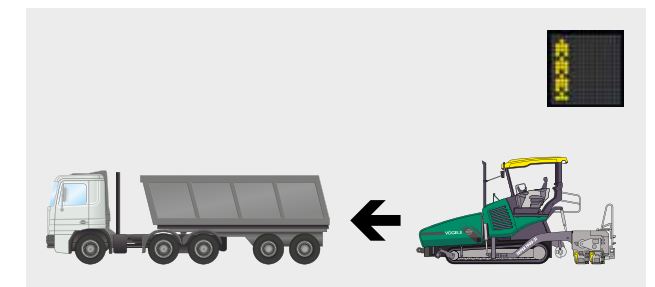
**Stop:** Lorry must halt. It has docked.



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

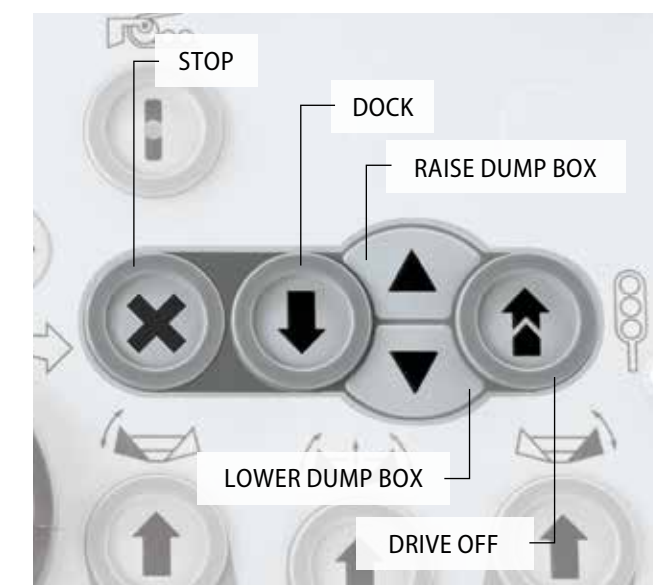


**Raise Dump Box:** Lorry raises the dump box.



**Paver is moving:** Symbol can appear together with all symbols.

The core element of the “PaveDock Assistant” are the signal lights on the paver and the associated control elements on the ErgoPlus 3 paver operator's console. 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.





# VÖGELE ErgoPlus 3

## The User-Friendly Operating System

Even the best machine with the most advanced technology can only really show its strengths if it can be operated easily and as intuitively as possible, and offers the operator a maximum of ergonomic comfort and workplace safety. Therefore, the ErgoPlus 3 operating concept focuses on the operator.

On the following pages you will find detailed information on the extensive functions of the ErgoPlus 3 operating concept. ErgoPlus 3 encompasses the operator's stand, the paver operator's and screed consoles and Niveltronic Plus, the System for Automated Grade and Slope Control.

The operating consoles are designed for optimum clarity, presenting all paver functions in logical groups. There's a place for everything and everything in its place on the operator's stand, and the paver operator has an excellent overview of all the key points of the paver.

All told, the ErgoPlus 3 operating concept enables the operator to respond to job site working processes and situations more quickly and accurately, giving him total control over the machine and the project.

## The Major Advantages of ErgoPlus 3

- » **Operator platform of streamlined design** and well organized for a high level of safety at work.
- » **The paver operator's seats** and the operating console are adjusted conveniently and easily to meet his personal needs. This provides a maximum of ergonomic comfort.
- » **All vital paver functions** are clustered in logical groups on the paver operator's console. Their operation is quick and easy to learn.
- » **Easy operation** of VÖGELE Niveltronic Plus, the System for Automated Grade and Slope Control, to achieve perfect paving results.
- » **The ErgoPlus 3 paver operator's console** is of modular design. This smart concept is not only ideal in practice, but also saves costs. It offers the great advantage that single modules can be replaced if necessary without needing to replace the entire unit.

## New Developments in ErgoPlus 3

- » **The paver operator's console** comes with a large four-colour display ensuring brilliant readability even in poor lighting conditions.
- » **Side panelling** affords effective protection from the wind and rain.
- » **Thanks to their sturdy design**, the screed consoles are well equipped to deal with tough job site conditions.
- » **SmartWheel** for precise screed width control in two speeds.



Paver Operator's ErgoPlus 3 Console



ErgoPlus 3 Screed Console



ErgoPlus 3 Operator's Stand



## The Paver Operator's ErgoPlus 3 Console

*Full Control for the Machine Operator*






# The Paver Operator’s ErgoPlus 3 Console

## Clear and Logical Arrangement of Controls

### Examples of Paver Functions


**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.




**No-Load Function**

The No-Load Function is provided for the warm-up or cleaning of conveyors, augers and tamper.




**“AutoSet Plus” Repositioning Function**

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**

On the ErgoPlus 3 console, 4 different operating modes for the paver are available to select from. By pressing the arrow buttons, up or down, the operator changes modes in the following order: “Neutral”, “Job Site Mode”, “Positioning Mode” and “Pave Mode”. An LED indicates the mode selected. When leaving “Pave Mode”, a smart Memory feature stores the last settings for paver functions so that, when resuming work after a move of the paver on site, these settings are restored automatically.





The paver operator’s ErgoPlus 3 console has been designed according to practice-related principles. All controls are clearly arranged. Paver functions are clustered in logical groups so that operators find their controls just where they would expect them 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. This is due to the “Touch and Work” principle. This means that a function is executed directly – without a need to confirm.

As darkness falls, the paver operator’s console is back-lit automatically, as in a car. This makes night-time work easy and relaxed.

**MODULE 4**

Display for set-up of vital paver functions on menu level 1. Secondary functions on menu level 2.


**Display of the Paver Operator’s Console**

The redesigned four-colour display has a high-contrast user interface ensuring 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 for 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. 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 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.

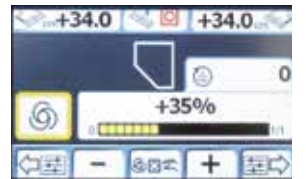
### The Screed Console

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 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 tamper speed or conveyor speed 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.



### Niveltronic Plus (Option)

Niveltronic Plus, the cutting-edge VÖGELE System for Automated Grade and Slope Control, is very easy to learn and achieves outstanding paving results. All important functions of Niveltronic Plus can be accessed directly on menu level 1. The operator is provided with a variety of information, such as the sensor currently selected or the specified and actual values for layer thickness.

An electronic system installed in the screed tow point rams picks up the tow points' positions. Display of the current tow point positions and of the transverse slope on the screed console greatly facilitates set-up of the screed. All sensors connected are recognized automatically by Niveltronic Plus and can be monitored and controlled from either screed console. An open interface is provided for connection of a GPS system, thus permitting 3D paving.



### 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 the display.



### Ergonomic screed width control in two speeds

The screed width can be effortlessly adjusted by means of the handy SmartWheel. This can be done in two speeds: slow, for precisely control e.g. along an edge, or fast, for rapid retraction and extension of the screed.





# The ErgoPlus 3 Operator's Stand



## Excellent All-Round Visibility

» 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.

» 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.



## Working Comfort

» On the "dash 3" machines, the paver operator's seat and console, as well as the screed consoles can now be adjusted even more easily to personal needs. The paver operator's console can be displaced across the full width of the operator's stand, swivelled out to the sides and tilted. Side panelling affords effective protection from the wind and rain.

» When working with the seat swung out, the paver operator's console can be swivelled out together with the operator's seat. In this way, an ergonomically optimized workplace is set up in no time at all. Additional legroom lets the operator work more comfortably on the "dash 3" pavers.



## 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.

» Plenty of stowage space makes it easy to keep the machine tidy. Access to all vital service points on the machine has been designed to be extremely clear and ergonomic.

## Hardtop Gives Excellent Protection

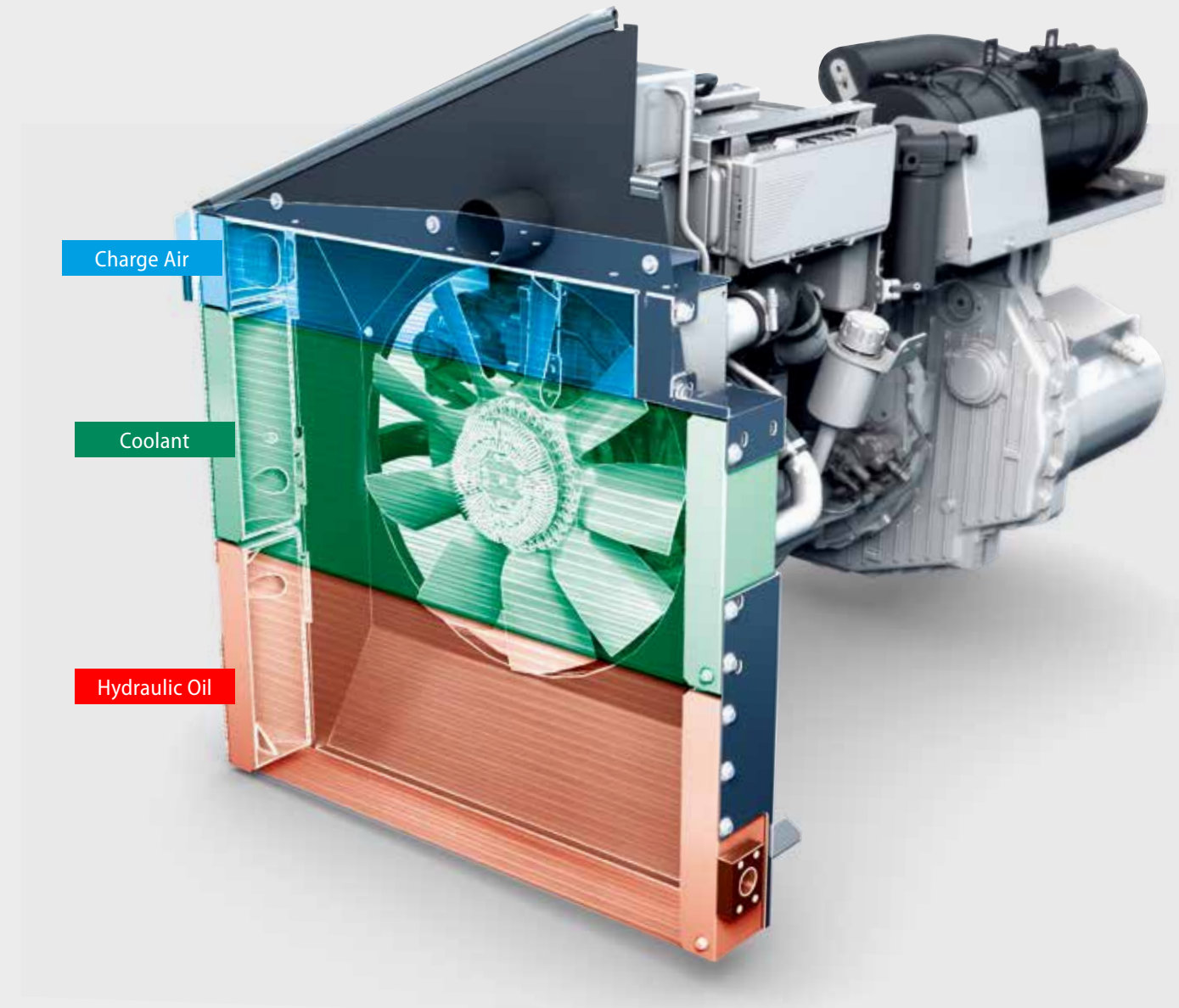
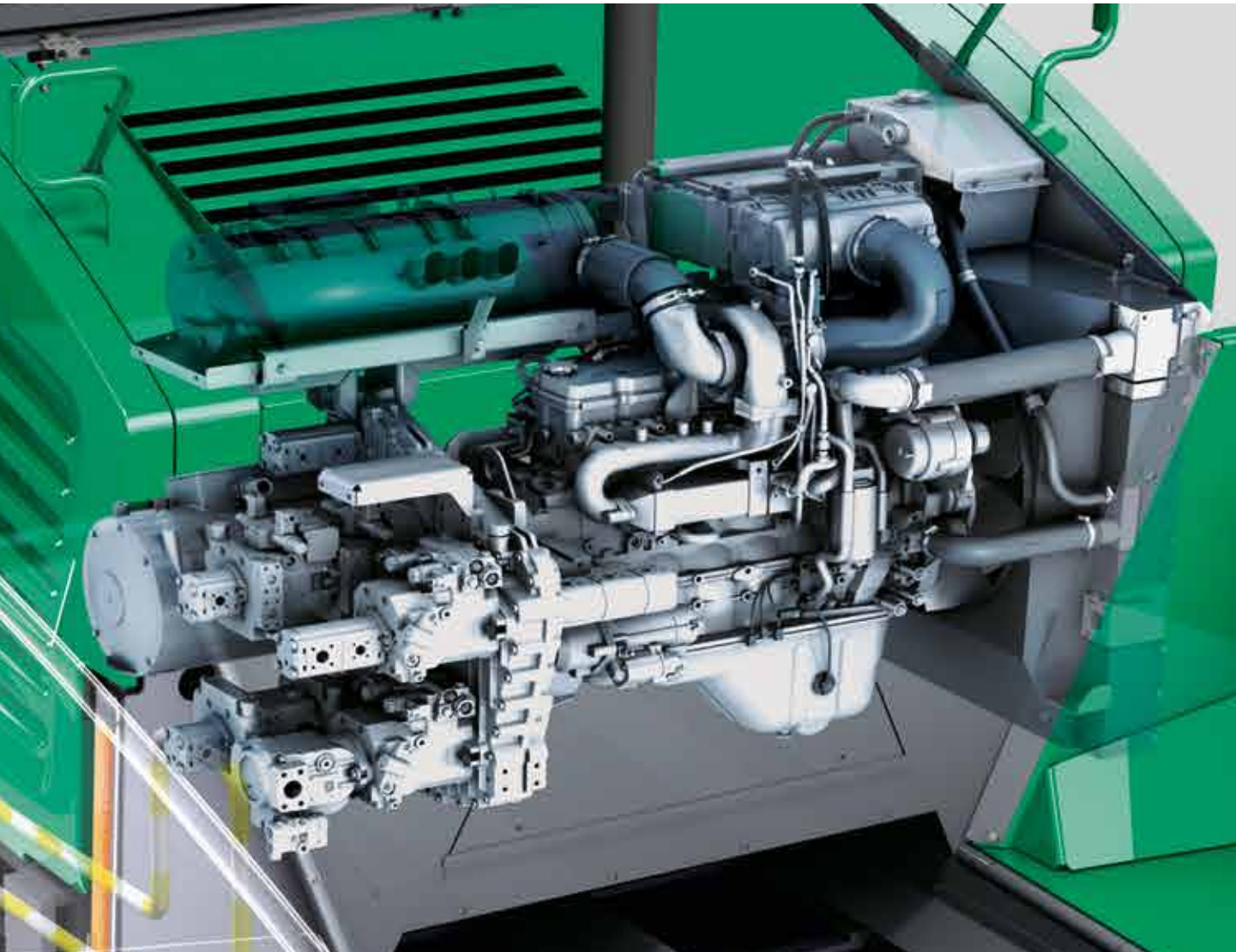
» The modern hardtop made of glass fibre reinforced polymer material shelters the operator whether rain or shine. The hardtop, including exhaust pipe, is raised or lowered quickly and with effortless ease by a manually operated hydraulic pump. Wide, easily extendable sunshades give the operator optimal protection when his seat is moved out.

» Six bright working lights are integrated into the hardtop. Raising the lights in this way floods the job site with light (Xenon lamps available as an option).





## Future-Proof Drive Technology



The **SUPER 1900-3i** is powered by a high-performance Cummins 6-cylinder diesel engine rated at 142kW. The suffix "i" stands for "intelligent emission control" and designates all machines from the WIRTGEN GROUP equipped with the latest engine technology. Thanks to an ingenious exhaust gas treatment, these engines comply with the strict exhaust emission standards governing mobile machines in EU and EFTA countries, the USA and Canada since 2011.

The engine features an ECO mode that reduces the nominal speed from 2,000 rpm to 1,700 rpm. This ECO mode reduces operating costs and noise emissions significantly. The engine output available in ECO mode (135kW) is ample for most paving tasks.

» **Powerful yet economical** Cummins 6-cylinder diesel engine with ECO mode.

» **The ultramodern "i" engine** complies with the strict European emissions standard 3b, as well as the US standard EPA Tier 4i and delivers a nominal output of 142kW at 2,000 rpm.

» **ECO mode for paver operation** at 1,700 rpm is perfectly adequate for numerous applications. It cuts operating costs and allows superquiet operation.

» **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 guarantees the full performance of the engine and a long service life.

» **A powerful, oil-cooled generator** with direct drive ensures rapid, uniform heating of the screed. The generator is directly driven by the splitter gearbox and therefore maintenance-free.



## Large Material Hopper



As with all VÖGELE pavers, supplying the SUPER 1900-3i with mix is a clean, safe and swift process. Thanks to a hydraulically operated hopper front (option), the mix inside the material hopper is directed right onto the conveyors and the entire mix properly conveyed in front of the screed.



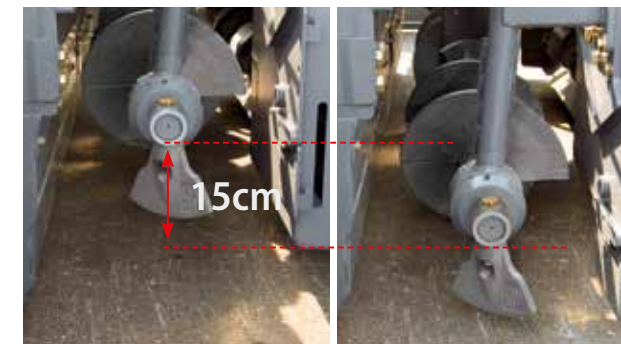
» The large material hopper holding 14t is amply dimensioned so that a sufficient quantity of mix is stored at all times. Tiding over difficult situations such as paving under bridges, for instance, poses no problem.

» Easy feeding with mix thanks to low material hopper, wide hopper sides and sturdy rubber baffles fitted to the hopper front.

» Large oscillating push-rollers for convenient and shock-free docking of feed vehicles even in curves.

» The oscillating push-rollers can be displaced forwards by 75 or 150mm to cater to the most diverse feed vehicles.

## Precise Spreading of Mix



Optimally designed mix conveying system with conveyors ascending towards the rear avoids segregation and diminishes wear of conveyors and conveyor bearings. The proportional control provided for conveyors regulates flow rates to precisely match the requirement of mix in front of the screed for excellent paving results.

The augers of the SUPER 1900-3i are hydraulically infinitely variable in height up to 15cm, even while paving. This provides for quick and easy adaptation to the desired layer thickness across the full pave width.

» Powerful, separate hydraulic drives installed for conveyors and augers, thus permitting high laydown rates up to 900t per hour.

» Hydraulic adjustment of the augers in height, complete with bearing boxes and limiting plates for the auger tunnel, allows the paver to be moved on the job site without a need for conversion, a benefit that saves time and money.

» The ability to adjust the augers in height also provides for an optimal head of material in front of the screed when placing thin layers or when the layer thickness varies.



## Precision on Tracks



The **optimized crawler** unit with additional track carrier rollers maximizes the quiet running of the paver. The electronically controlled separate drives installed in the sprockets of the crawler tracks permit constant straight movement and precise steering through curves.

» Thanks to **powerful separate drives** fitted into the sprockets for crawler tracks, engine output is translated into pave speed 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.

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

» **The sturdy deflectors** in front of the crawler tracks reliably clear any spilled mix out of the way. The deflectors can be raised hydraulically with the "AutoSet Plus" option.

## 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.

» **Highly service-friendly** paver design with excellent access to all servicing points.

» **All hydraulic pumps** attached to the splitter gearbox. Their clear arrangement and easy access provides for service-friendliness at the highest level.

» **Clear arrangement** of power module, valves and flexible piping.

» **Centralized lubrication system** installed as standard to automatically supply grease to the highly stressed bearings of conveyors and augers.





## Screeds to Meet all Needs



The SUPER 1900-3i stands out through superb adaptability, a feature making it perfectly suited to most varied paving tasks.

Whether it comes to building large traffic areas, highway or motorway – this paver is ideal for any kind of major scale projects.

A number of screed options is available for the SUPER 1900-3i to combine with.

» VÖGELE AB 500 and AB 600 Extending Screeds are the preferred choice on all those jobs where pave width varies and prime pavement quality counts. Thanks to their sturdy single-tube telescoping system, these screeds can be set quickly and accurately to any pave width desired.

» Effective sound insulation in the extending screeds reduces noise levels on the job site. In combination with the low-noise tractor unit, these screeds are hence ideally suited for use even in noise sensitive areas.

» VÖGELE Fixed-Width Screeds are ideal primarily for paving in large widths. When combined with a SB 250 Fixed-Width Screed, the SUPER 1900-3i handles pave widths up to 11m.

» VÖGELE Hydraulic Bolt-on Extensions enhance the SB 250's field of applications by offering the advantage of infinitely variable pave width within the range of 1.5m.

» VÖGELE AB 500 and AB 600 Extending Screeds as well as the SB 250 Fixed-Width Screed are available in TP1 and TP2 versions for high compaction. SB 250, furthermore, comes in TVP2 version with tamper, vibrators and 2 pressure bars. For paving binder course and base course achieving highest precompaction, the paver can be combined with the AB 500 and AB 600 Extending Screeds in TP2 Plus version.

» Homogeneous surface texture thanks to uniform heating of screed plates, tamper bars and pressure bar(s).

» Even 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.

» When the paver functions are set to automatic, the generator management 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 considerably.



# Screed Options for SUPER 1900-3i



## AB 500

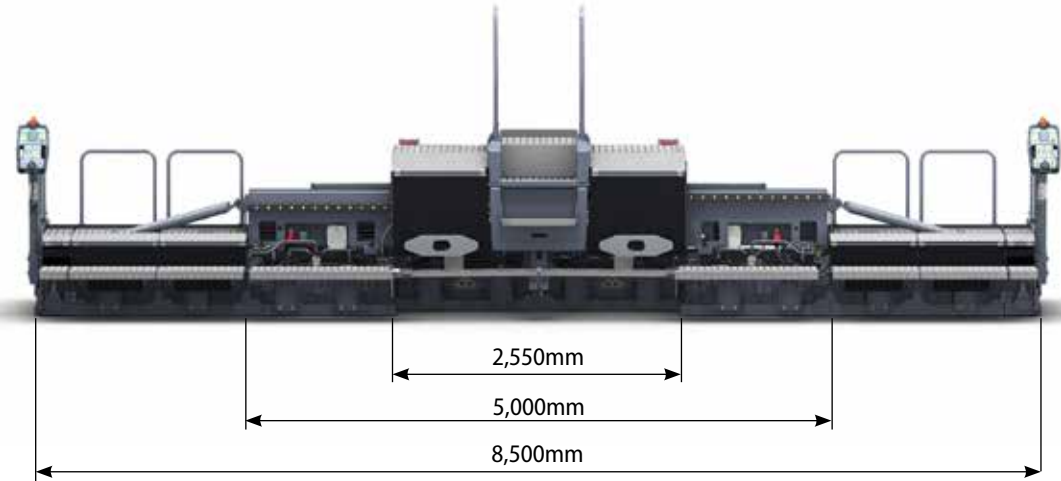
### Pave Widths

- » Infinitely variable range from 2.55m to 5m.
- » Larger widths through the addition of bolt-on extensions up to a maximum of 8.5m.

### Compacting Systems

- » AB 500 TV with tamper and vibrators
- » AB 500 TP1 with tamper and 1 pressure bar
- » AB 500 TP2 with tamper and 2 pressure bars
- » AB 500 TP2 Plus with tamper and 2 pressure bars for maximum precompaction

AB 500 TV built up to maximum pave width



## AB 600

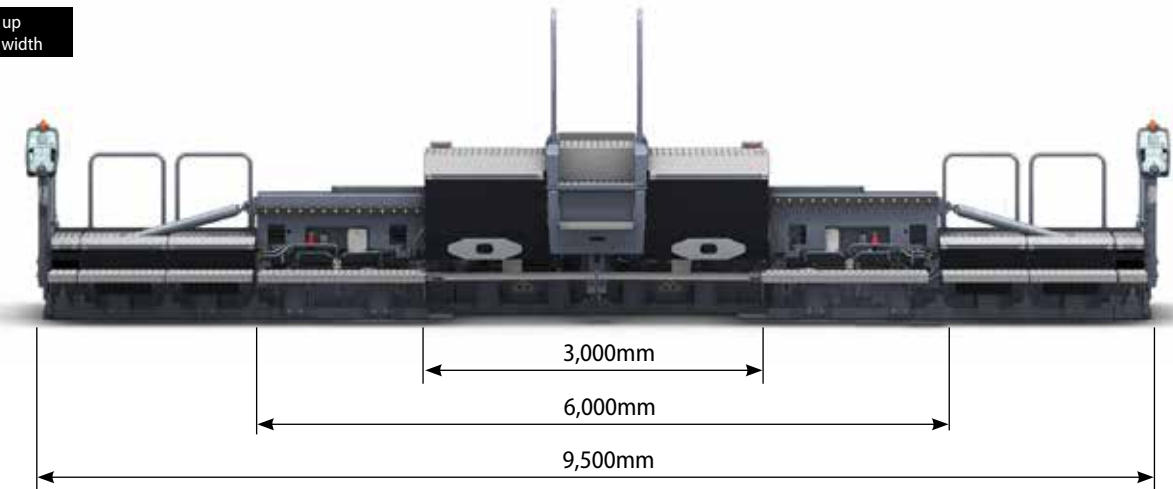
### Pave Widths

- » Infinitely variable range from 3m to 6m.
- » Larger widths through the addition of bolt-on extensions up to a maximum of 9.5m.

### Compacting Systems

- » AB 600 TV with tamper and vibrators
- » AB 600 TP1 with tamper and 1 pressure bar
- » AB 600 TP2 with tamper and 2 pressure bars
- » AB 600 TP2 Plus with tamper and 2 pressure bars for maximum precompaction

AB 600 TV built up to maximum pave width



## SB 250

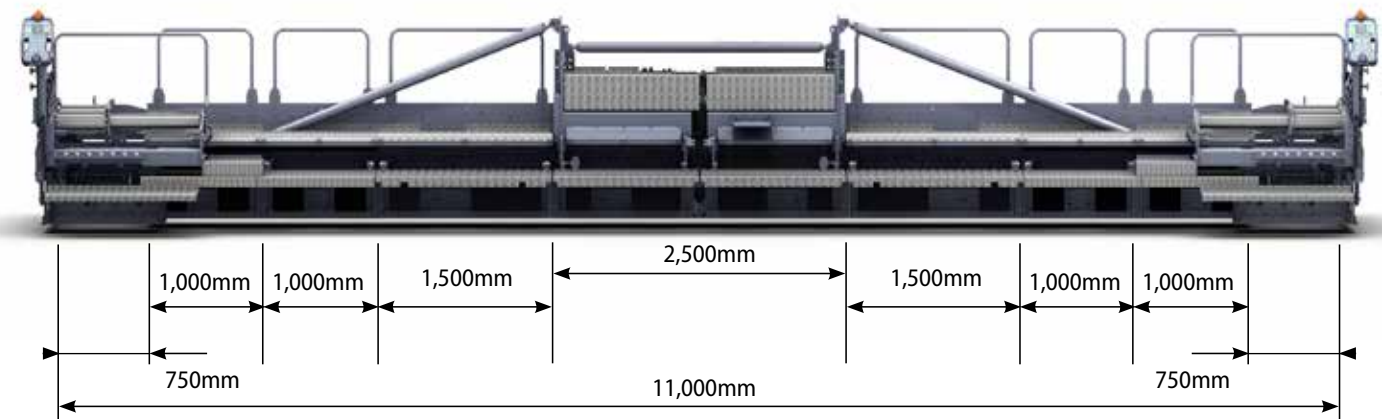
### Pave Widths

- » Basic width 2.5m. Larger widths through the addition of bolt-on extensions up to a maximum of 11m.
- » Thanks to 75cm hydraulic bolt-on extensions, pave width is infinitely variable within a range of 1.5m.

### Compacting Systems

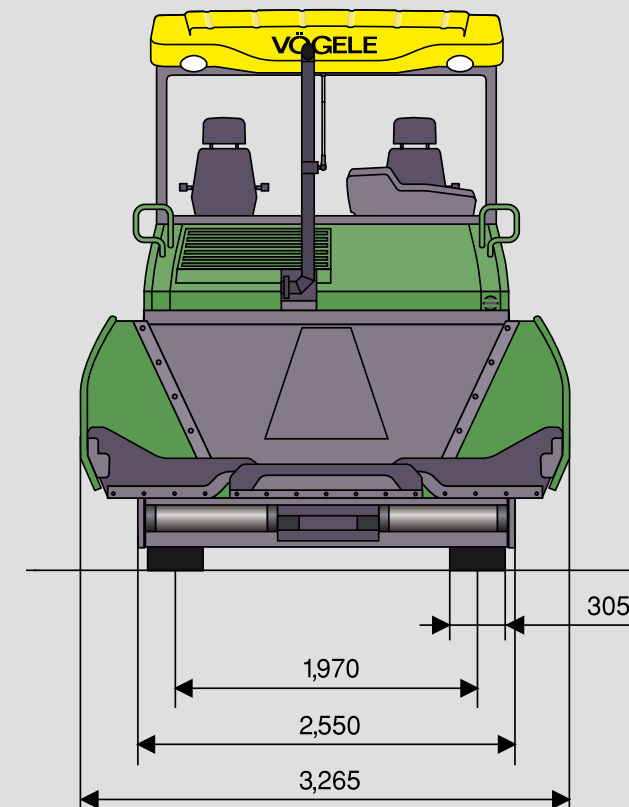
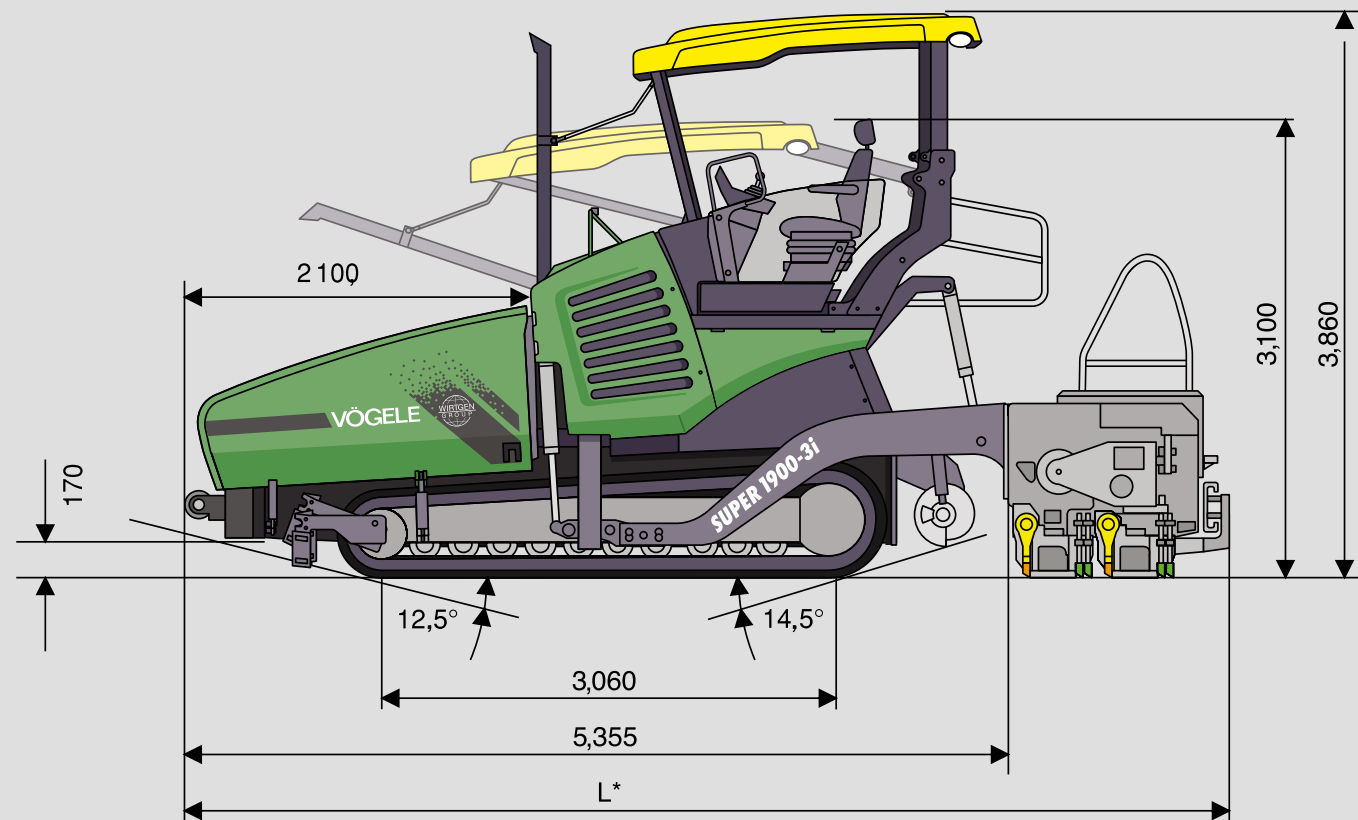
- » SB 250 TV with tamper and vibrators
- » SB 250 TP1 with tamper and 1 pressure bar
- » SB 250 TP2 with tamper and 2 pressure bars
- » SB 250 TVP2 with tamper, vibrators and 2 pressure bars

SB 250 TV built up to maximum pave width





## All the Facts at a Glance



Dimensions in mm  
L\* = Dependent on Screed Type  
(see Specification)



## POWER UNIT

[illegible]

## UNDERCARRIAGE

Crawler Tracks:	provided with rubber pads
Ground Contact:	3,060mm x 305mm
Suspension:	rigid
Track Tension Adjuster:	spring assembly
Track Rollers:	lifetime grease lubricated
Traction Drive:	hydraulic, separate drive and electronic control
	provided for each crawler track
Speeds:	Paving: up to 25m/min., infinitely variable
	Travel: up to 4.5km/h, infinitely variable
Steering:	by alteration of track running speeds
Service Brake:	hydraulic
Parking Brake:	spring-loaded multiple-disk brake, maintenance-free

## MATERIAL HOPPER

Hopper Capacity:	14t
Width:	3,265mm
Feed Height:	615mm (bottom of material hopper)
Push-Rollers:	oscillating, displaceable forwards by 75mm and 150mm

## CONVEYORS AND AUGERS

Conveyors:	2, with replaceable feeder bars, conveyor movement reversible for a short time
	Drive: hydraulic, separate drive provided for each conveyor
	Speed: up to 31 m/min., infinitely variable (manual or automatic)
Augers:	2, with replaceable auger blades, auger rotation reversible
	Diameter: 400 mm
	Drive: hydraulic, separate drive provided for each auger
	Speed: up to 79 rpm, infinitely variable (manual or automatic)
	Auger Height: infinitely variable by 15 cm, hydraulic
Lubrication:	centralized lubrication system with electrically driven grease pump for conveyor and auger bearings

## SCREED OPTIONS

SB 250:	basic width 2.5m maximum width (TV/TP1) 11m
AB 500:	basic width 2.55m, infinitely variable range 2.55m to 5m maximum width (TV/TP1/TP2) 8.5m
AB 600:	basic width 3m, infinitely variable range 3m to 6m maximum width (TV/TP1/TP2) 9.5m, (TP2 Plus) 8.5m
Possible Compacting Systems:	
	TV, TP1, TP2, TP2 Plus (AB 500/AB 600), TVP2 (SB 250)
Layer Thickness:	up to 40cm (SB 250)
Screed Heating:	electric by heating rods
Power Supply:	three-phase A.C. generator

## DIMENSIONS AND WEIGHTS

Length:	Tractor unit and screed in transport position
	- SB 250 TV/TP1/TP2/TPV2: 6.5m
	- AB 500/AB 600 TV: 6.6m
	- AB 500/AB 600 TP1/TP2/TP2 Plus: 6.73m
Weights:	Tractor unit with AB 500 screed in TV version
	- pave widths up to 5m: 20.9t
	- pave widths up to 8.5m: 23.5t

**Key:** T = equipped with Tamper  
V = equipped with Vibrators

**P1** = equipped with 1 Pressure Bar  
**P2** = equipped with 2 Pressure Bars

**SB** = Fixed-Width Screed  
**AB** = Extending Screed

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Your VÖGELE QR Code  
which leads you directly  
to the "SUPER 1900-3i"  
on our website.



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