Tracked Paver

SUPER 1800-3i

Universal Class

Maximum Pave Width 10m
Maximum Laydown Rate 700 tonnes/h
Transport Width 2.55m

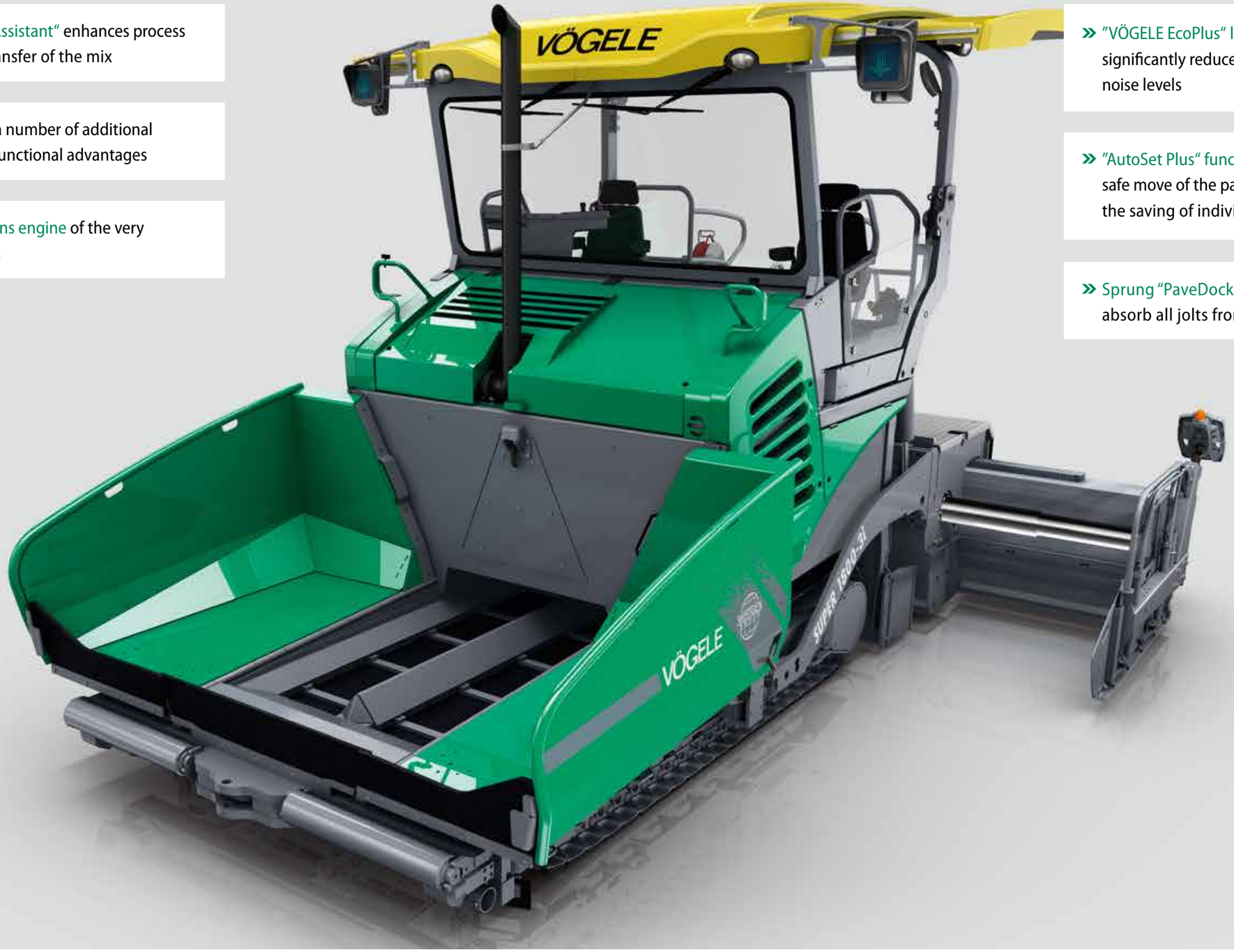
www.voegele.info

The Highlights of the New Generation

» 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



» "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

Innovative Tracked Paver

The VÖGELE SUPER 1800 class is legendary. No other asphalt paver enjoys greater popularity amongst professional road building contractors the world over. When developing the SUPER 1800-3i, it was possible to retain the dimensions of the previous model, despite the introduction of entirely new drive technology. As a result, the new paver in the Universal Class follows on from its predecessor seamlessly, offering all of the latter's time-tested advantages.

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 colour display which provides brilliant readability even in poor lighting conditions.

With a maximum pave width of 10m and a machine length of just 6m, the VÖGELE paver handles motorway projects, rural roads or the surfacing of large areas with the same high perfection as it copes with confined spaces when tackling roundabouts.

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

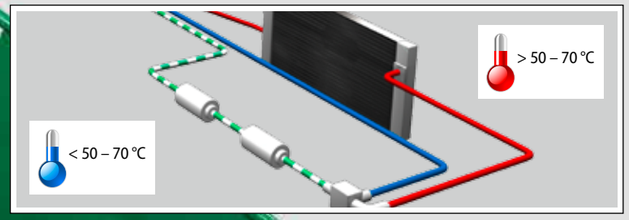
The tamper is driven by a variable-displacement pump which always delivers exactly the amount of oil needed for the current tamper speed and not a drop more or less.

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.

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.



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.

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.

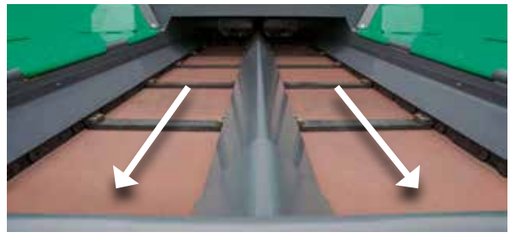
The two comfort functions of “AutoSet Plus” automate routine tasks, allowing work processes to be carried out more quickly and with greater control. This in turn means that construction projects can be completed faster and more reliably.

“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 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”

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.

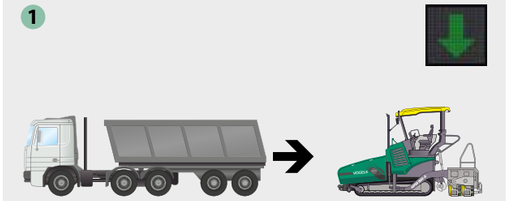
“PaveDock Assistant” is the communication system between the paver operator and the feed vehicle driver. It allows particularly fast and reliable transfer of mix to the paver.

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

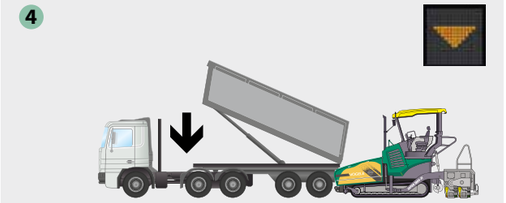
“PaveDock” Dampens Impacts Effectively

“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



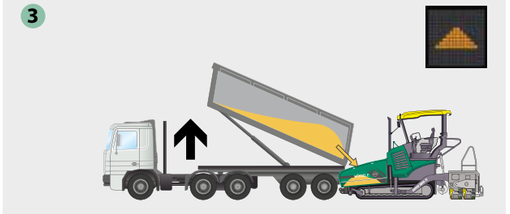
Dock: Lorry drives up to the paver and docks.



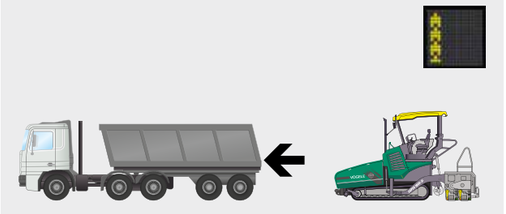
Lower Dump Box: Lorry lowers the dump box.

Stop: Lorry must halt. It has docked.

Drive Off: Lorry drives away from the paver.

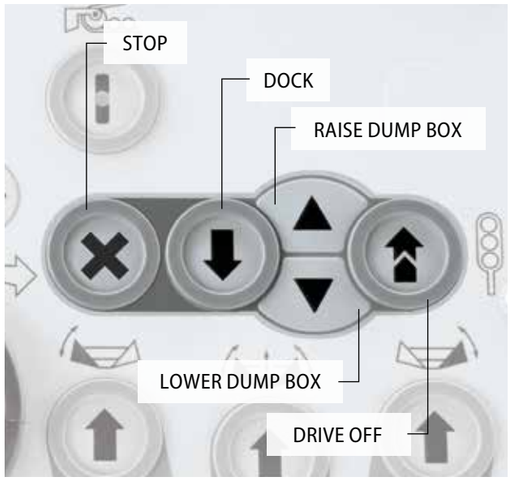


Raise Dump Box: Lorry raises the dump box.



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 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

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.

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.

MODULE 1
Conveyors and Augers, Traction

MODULE 2
Screed

MODULE 3
Material Hopper and Steering

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 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 3 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

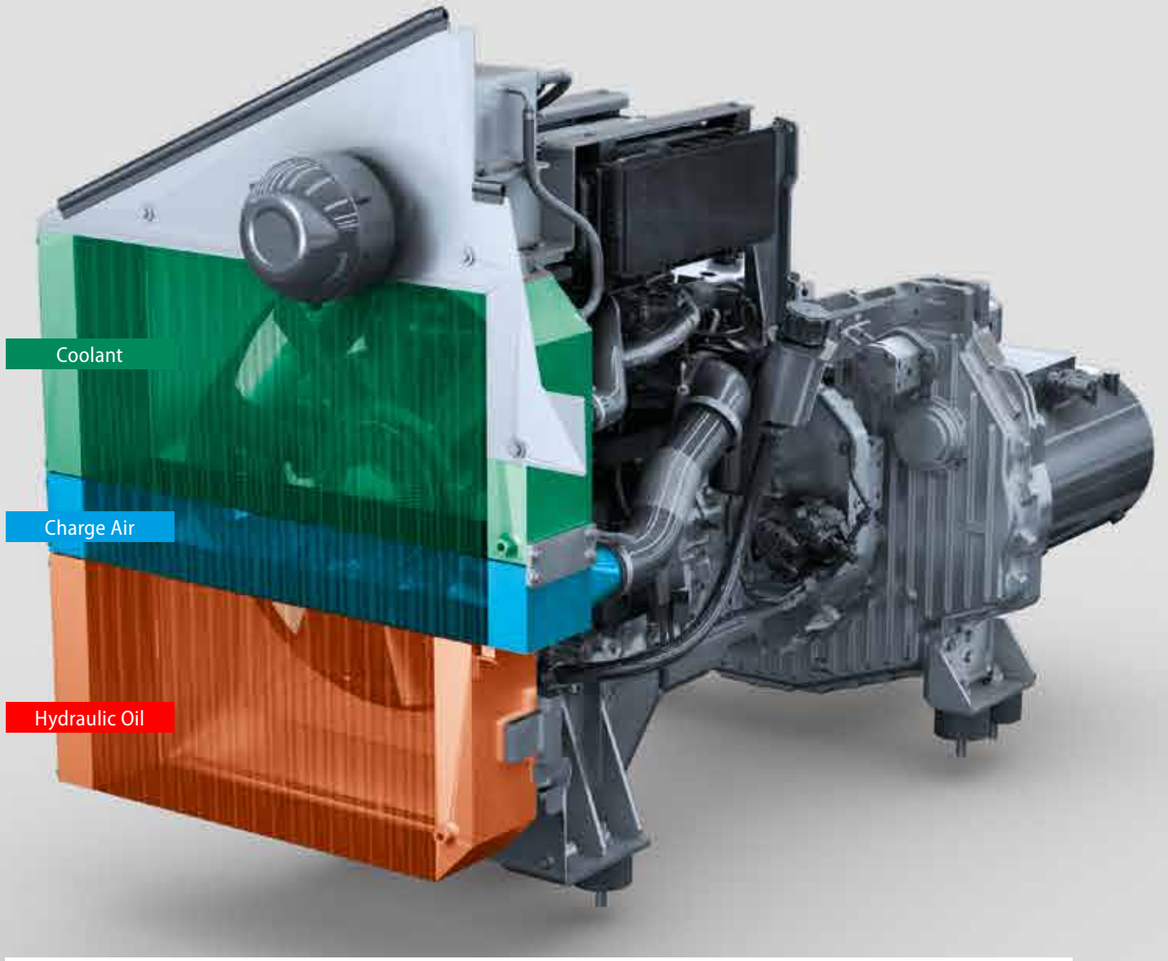
» **The modern hardtop** made of glass fibre reinforced polymer material shelters the operator whether rain or shine. The hardtop, including exhaust pipe, is raised or lowered quickly and with effortless ease by a manually operated hydraulic pump. Wide, easily extendable sunshades give the operator optimal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

Efficient and Eco-Friendly Drive Concept

The SUPER 1800-3i is powered by a modern, liquid-cooled Cummins engine rated at 127kW. 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 compy with the strict exhaust emission standards governing mobile machines in EU and EFTA countries, the USA, Canada and Japan since 2012.

The right temperature, however, is not important for the screed alone. In all climatic zones the world over, the large cooler assembly and innovative air routing provide for optimal temperature levels of engine coolant, hydraulic oil and charge air, while at the same time keeping noise emissions low. With the SUPER 1800-3i, technology and eco-friendliness go hand-in-hand.



» **Powerful Cummins engine** developing 127kW at just 2,000 rpm.

» **ECO mode for paver operation** with 116kW at 1,700 rpm is perfectly adequate for numerous applications. It cuts operating costs and allows superquiet operation.

» **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.

» **A large cooler assembly** with innovative air routing is installed for perfect cooling of engine coolant, hydraulic oil and charge air at low noise levels.

» **A constantly high cooling capacity** provides for ideal temperatures inside the hydraulic system and top performance of all drive units even when working under full load, in all climatic zones the world over.

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.

Large Material Hopper, Easy Feed with Mix

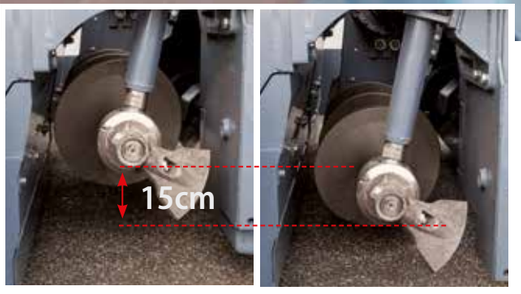
As with all VÖGELE pavers, supplying the SUPER 1800-3i with mix is a clean, safe and swift process.
Thanks to a hydraulically operated hopper front (option), the mix inside the material hopper is directed right onto the conveyors and the entirety of mix properly conveyed in front of the screed.

» **The large material hopper** holding 13t is amply dimensioned so that a sufficient quantity of mix is stored at all times. No problem to tide over difficult situations such as paving under bridges, for instance.

» **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.

Prime Paving Quality
Due to Perfect Material Handling



Due to perfect spreading of mix, the SUPER 1800-3i provides for an optimal head of material in front of the screed in every paving situation.
Powerful, separate hydraulic drives for conveyors and augers are installed achieving laydown rates up to 700 tonnes/h.

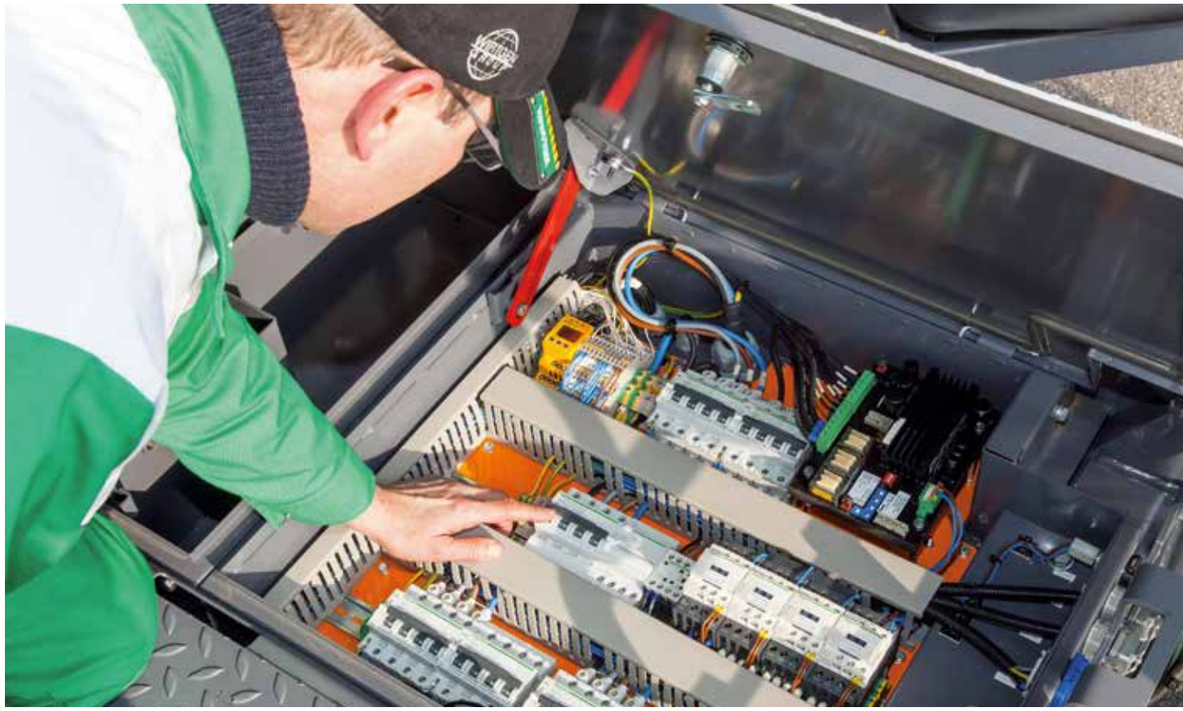
» **Proportional control and continuous monitoring** provided for conveyors and augers guarantee a constant head of mix in front of the screed in conformity with the requirement.

» **The height of the auger,** complete with bearing boxes and limiting plates for the auger tunnel, is hydraulically and infinitely variable by up to 15cm across the entire pave width. This results in optimal spreading of mix in front of the screed, even when paving thin layers or when the layer thickness varies.

» **Large diameter of auger blades** (400mm) for excellent spreading of mix when paving in large widths.

» **An auger tunnel,** easily variable in depth, provides for an optimal flow of mix when paving thick layers.

Easy Maintance,
Long Intervals Between Maintenance Services



The well-thought-out maintenance and service concept is perfectly geared to the requirements of the workshop and service staff.

» **A wide engine hood and large hinged panels** give convenient access to service points on the machine.

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

» **Centralized lubrication system** installed to automatically supply required amounts of grease to bearings of conveyors and augers.

» **Sturdy components** of highly wear-resistant materials for long service lives minimize downtime.

» **A standardized service concept f**or all VÖGELE pavers simplifies maintenance and cuts expenditure on training.

Screed Options for All Paving Applications

A powerful tractor unit calls for a screed to match. Each application has its particular requirements, so that in the end its up to the users' everyday tasks to decide which screed is the right one.

For SUPER 1800-3i, we offer a number of screed options and versions as far as equipment with compacting systems is concerned.

» VÖGELE Extending Screeds feature a high degree of variability. AB 500 and AB 600 come with a sturdy single-tube telescoping system. Working with highest precision, they offer quick screed width control accurate to the millimetre.

» A Screed Assist feature to be set electronically and separately for the left and right-hand sides, is offered as an optional extra. Screed Assist supports the paving team when working under difficult conditions.

» The SUPER 1800-3i can also be combined with the SB 250 Fixed-Width Screed. The screed easily builds up to a maximum width of 10m using bolt-on extensions.

» All screeds are available in TV version (with tamper and vibrators) for standard compaction or in TP1 or TP2 versions (with tamper and 1 or 2 pressure bars) for the unique VÖGELE high compaction.

» 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 1800-3i

AB 500

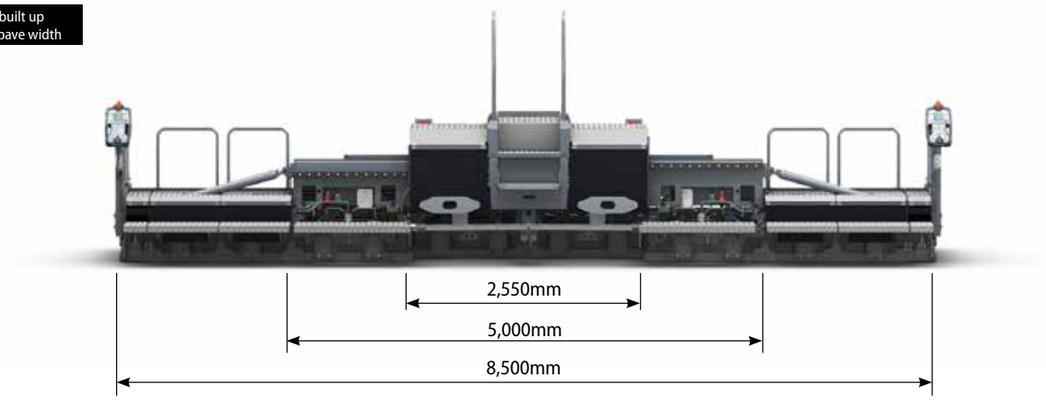
Pave Widths

- 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

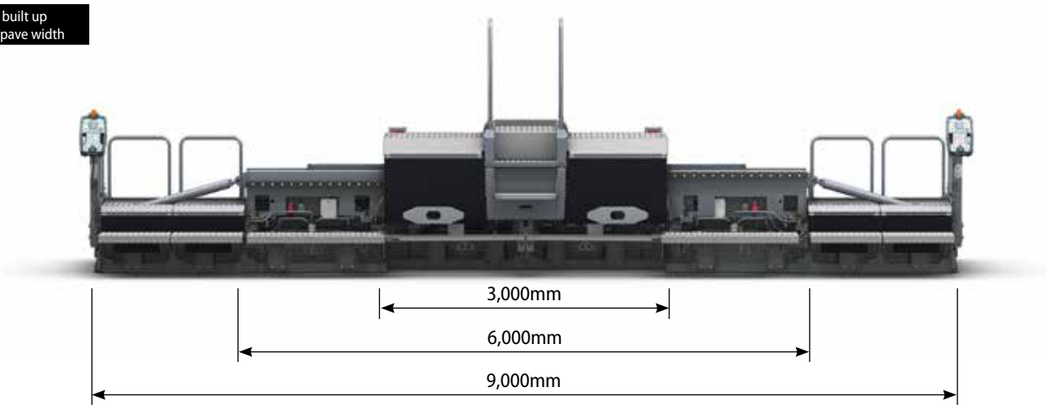
Pave Widths

- Infinitely variable range from 3m to 6m.
- Larger widths through the addition of bolt-on extensions up to a maximum of 9m.

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

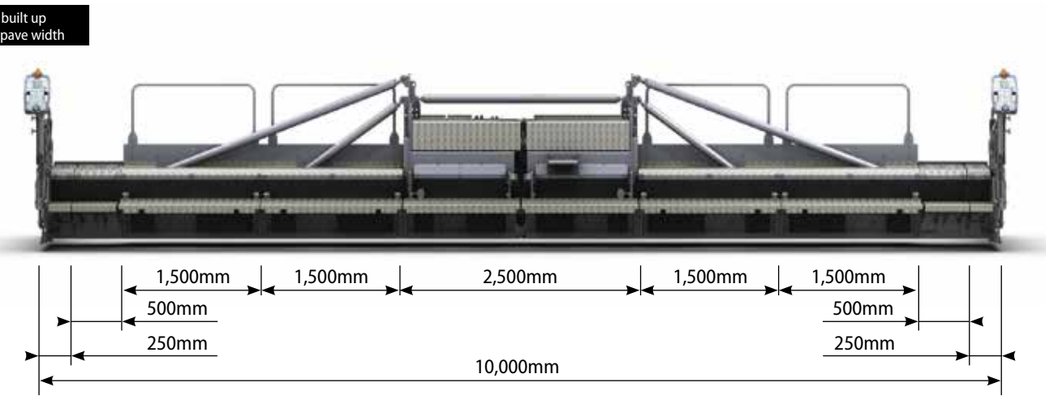
Pave Widths

- Basic width 2.5m. Larger widths through the addition of bolt-on extensions up to a maximum of 10m.
- Thanks to 75cm hydraulic bolt-on extensions, pave width is infinitely variable within a range of 1.5m.

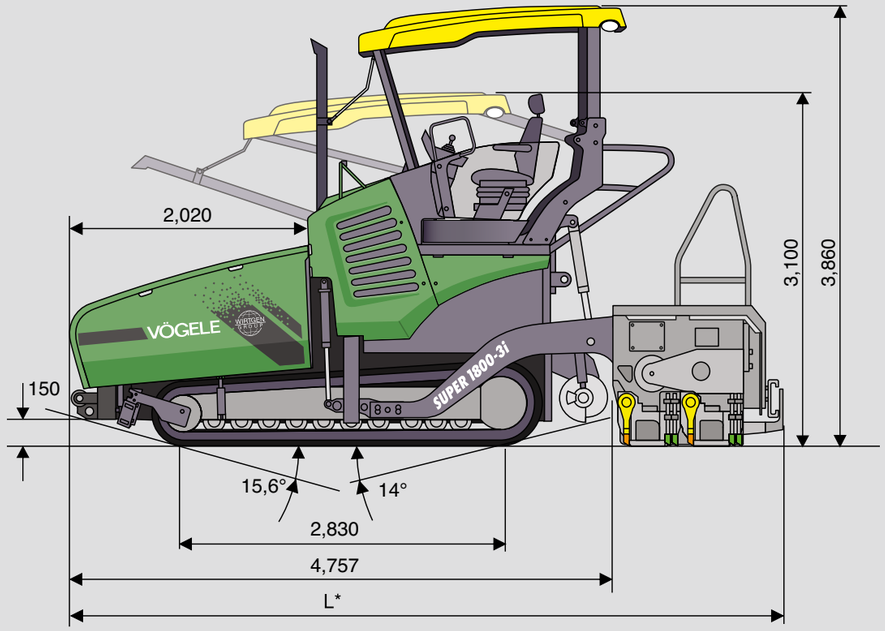
Compacting Systems

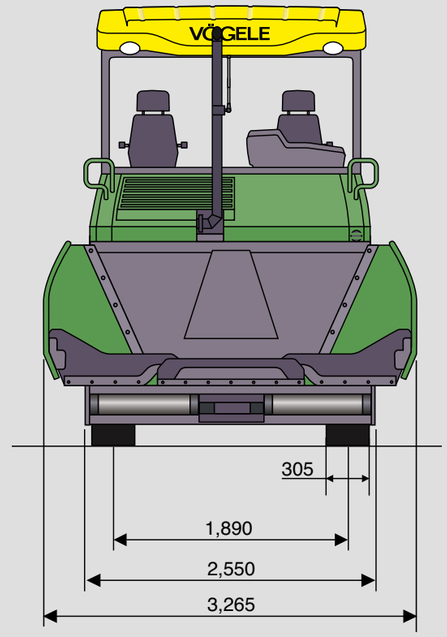
- SB 250 TV with tamper and vibrators
- SB 250 TP1 with tamper and 1 pressure bar
- SB 250 TP2 with tamper and 2 pressure bars

SB 250 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

SUPER 1800-3i (for Europe / USA / Canada / Japan)	
Engine:	6-cylinder Cummins diesel engine, liquid-cooled
Type:	QSB6.7-C170
Exhaust Emissions	
Standard:	EU Stage 3b, US EPA Tier 4i
Output:	Nominal: 127kW at 2,000 rpm (according to DIN)
	ECO Mode: 116kW at 1,700 rpm
Fuel Tank:	300 litres
Electrical System:	24V

UNDERCARRIAGE

Crawler Tracks:	provided with rubber pads
Ground Contact:	2,830mm x 305mm
Suspension:	rigid
Track Tension Adjuster:	spring assembly
Track Rollers:	lifetime grease lubricated
Traction Drive:	separate hydraulic drive and electronic control
	provided for each crawler track
Speeds:	Paving: up to 24m/min., infinitely variable
	Travel: up to 4.5km/h, infinitely variable

UNDERCARRIAGE

Steering:	by alteration of track running speeds
Service Brake:	hydraulic
Parking Brake:	spring-loaded multiple-disk brake,
	maintenance-free

MATERIAL HOPPER

Hopper Capacity:	13t
Width:	3,265mm
Feed Height:	594mm (bottom of material hopper)
Push-Rollers:	oscillating, displaceable forwards by 150mm

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 33m/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 84 rpm, infinitely variable
	(manual or automatic)
	Auger Height: infinitely variable by 15cm, hydraulic
	(lowest position 10cm above the ground)
Lubrication:	centralized lubrication system with electrically
	driven grease pump

SCREED OPTIONS

SB 250:	basic width 2.5m, maximum width(TV/TP1) 10m
AB 500:	basic width 2.55m, infinitely variable range
	2.55m to 5m
	maximum width (TV/TP1) 8.5m
AB 600:	basic width 3m, infinitely variable range 3m to 6m
	maximum width (TV/TP1) 9m
Possible Compacting Systems:	
	TV, TP1, TP2, TP2 Plus (AB 500/AB 600)
Layer Thickness:	up to 30cm

SCREED OPTIONS

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: 6m
	- AB 500/AB 600 TV: 6m
	- AB 500/AB 600 TP1/TP2/TP2 Plus: 6.1m
Weights:	Tractor unit with AB 500 screed in TV version
	- pave widths up to 5m: 19.3t
	- pave widths up to 8.5m: 21.9t

OPTIONAL EQUIPMENT

"AutoSet Plus".
"PaveDock", "PaveDock Assistant".
Hydraulic hopper front.
Hardtop of glass fibre reinforced polymer material.
Niveltronic Plus for Automated Grade and Slope Control
(various sensors available).
Xenon lamps for working lights.
For more optional extras please contact your VÖGELE partner.

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

Technical alterations reserved.

WIRTGEN GROUP

VÖGELE

Your VÖGELE QR Code which leads you directly to the "SUPER 1800-3i" on our website.

® ERGOPLUS, InLine Pave, NAVITRONIC, NAVITRONIC Basic, NAVITRONIC Plus, NIVELTRONIC, NIVELTRONIC Plus, RoadScan, SprayJet, VÖGELE and VÖGELE PowerFeeder are registered Community Trademarks of JOSEPH VÖGELE AG, Ludwigshafen/Rhein, Germany. PCC is a registered German Trademark of JOSEPH VÖGELE AG, Ludwigshafen/Rhein, Germany. ERGOPLUS, NAVITRONIC Plus, NAVITRONIC BASIC, NIVELTRONIC Plus, SprayJet, VISION, VÖGELE and VÖGELE PowerFeeder are trademarks registered in the US Patent and Trademark Office to JOSEPH VÖGELE AG, Ludwigshafen/Rhein, Germany. Legally binding claims cannot be derived from written information or pictures contained in this brochure. Pictures may include optional extras. We reserve the right of technical or design alterations.

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

2320167 EN/03.13