

SUPER 2500

Tracked Paver



SUPER 2500

- ▶ **Maximum Pave Width**
16m
- ▶ **Maximum Laydown Rate**
1,500 tonnes/h
- ▶ **Transport Width**
3m

A Successful Brand for a Job Well Done –
Time and Again!



The Largest Paver in the Range of VÖGELE Products

Delivering performance at the highest level is the large paver's daily business. Outstanding capabilities in terms of laydown rate, layer thickness and pave width allow the SUPER 2500 to handle all kinds of large-scale projects with utmost brilliancy. The flagship of the fleet of VÖGELE machines paves motorway in full road width and places layers up to 40cm in a single pass. Given its high tractive power and paving performance, the SUPER 2500 gets these challenging jobs done in record time, all the more so when contracts run over long distances.

The SUPER 2500's strength is quantity without compromising on quality. Drive system, conveyors and augers as well as compacting systems are so dimensioned as to build pavements true to line and level and achieve superb surface accuracy and optimum compaction even when working at the highest performance level in tough continuous operation.

The SUPER 2500 is a reliable performer on all your large-scale job sites when it comes to paving according to the highest quality standards at an economical cost.



- ▶ **Maximum pave width 16m**
- ▶ **Laydown rate up to 1,500 tonnes/h**
- ▶ **Maximum layer thickness 40cm**
- ▶ **Pave speed up to 18m/min.**
- ▶ **Powerful DEUTZ engine rated at 273 kW**
- ▶ **Combines with AB 600-2 Extending Screed or SB 300 Fixed-Width Screed**

SUPER 2500 – The Advantages at a Glance

HIGHLIGHTS

Fast Conveyance and Perfect Spreading of Large Quantities of Mix

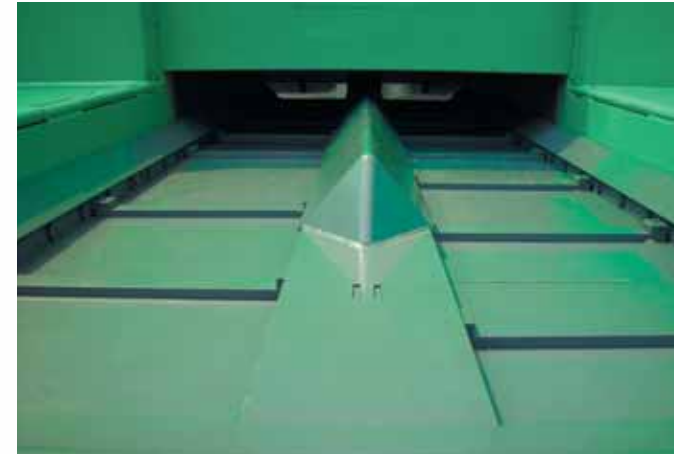
- ▶ Large material hopper storing up to 17.5 tonnes ensures reliable supply with mix when laydown rates are high.
- ▶ A wide conveyor tunnel guarantees a continuous flow of mix.
- ▶ Conveyors ascending towards the rear and dumping the mix onto the augers positively avoid segregation and help minimize strain on augers and drives.
- ▶ Augers fitted with large blades of 480mm diameter and an optimized auger blade shape provide for a perfect head of mix in front of the screed when paving large widths and thick layers.
- ▶ Augers adjust in height by up to 15cm to accurately match any layer thickness.
- ▶ For conveyors and augers, both manual and automatic proportional control is provided, thus ensuring a continuous material flow even when feed with mix is not constant or pave speed varies.

High Engine Power Translated in a Positive Grip

- ▶ Powerful DEUTZ engine rated at 273 kW.
- ▶ Full engine output is delivered at just 1,800 rpm, thus low noise levels and low fuel consumption.
- ▶ Long crawler tracks featuring a large ground contact guarantee powerful traction and an optimum torque on every terrain.
- ▶ High tracking stability whether going straight or turning a radius thanks to precise control of the separate drives provided for crawler tracks, drives are integrated in the sprockets.

High Power for Large-Scale Projects

- ▶ A maximum width of 16m allows paving of motorway in full road width.
- ▶ The capability of paving layers up to 40cm thick minimizes the number of passes required and results in a homogeneously structured pavement.
- ▶ Very high laydown rate of up to 1,500 tonnes/h enables the paver to easily handle large road building contracts.
- ▶ Excellent pavement quality is achieved even when paving under full load condition and in continuous operation.



SUPER 2500 – The Advantages at a Glance



Easy Handling, Excellent All-Round Visibility

- ▶ All controls and indicators are grouped on the control desk sliding from side to side.
- ▶ Sturdy controls and easy-to-read indicators add to convenient and positive working in the field.
- ▶ The Traction Main Switch allows to turn drives for paver functions on and off simultaneously, settings are accurately restored when resuming work.
- ▶ Direction of motion, pave speed, conveyors and augers are controlled automatically.
- ▶ The operator's platform mounted in an elevated position provides for unobstructed all-round visibility.



Service-Friendly Design, High Reliability

- ▶ Large hinged panels give convenient access to the engine and all places requiring servicing.
- ▶ Indicators signalling need for servicing and check points for measurements facilitate diagnosis and service.
- ▶ All bearings exposed to the high temperatures of the mix are automatically supplied with grease by the Centralized Lubrication System.
- ▶ Highly wear resistant materials and components designed for heavy-duty operation ensure impeccable paving and long productive paver utilization.



STRENGTH



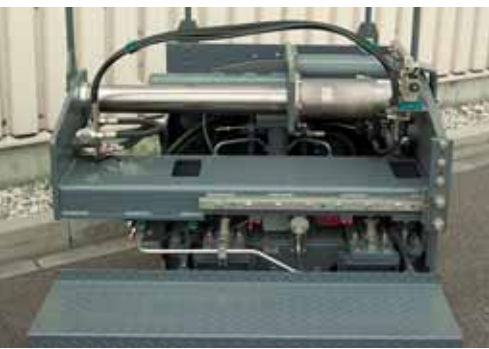
Screed Options

The SUPER 2500 is designed for performance at the highest level in terms of pave width, layer thickness and laydown rate.

Combined with the top models from the VÖGELE range of screeds, it produces optimum pavement quality at a very economical cost.

- ▶ The SB 300 Fixed-Width Screed handles pave widths up to 16m in a single pass. Thanks to this capability, the largest of VÖGELE Fixed-Width Screeds is ideally suited to long-distance paving on large-scale road projects. SB 300 is available in two versions with systems for standard compaction or high compaction. Working with VÖGELE HPC technology is the key to a perfectly structured pavement and excellent final results in terms of accuracy of levels.
- ▶ The AB 600-2 Extending Screed has a basic width of 3m and is infinitely variable up to 6m thanks to its robust single-tube telescoping system. Screed width control at the touch of a button allows pave width to be quickly adapted to changing conditions on site. Addition of bolt-on extensions enlarges the screed's width to a maximum of 9.5m. AB 600-2 is also available with systems for high compaction in the versions TP1 (tamper and 1 pressure bar) or TP2 (tamper and 2 pressure bars).





In Detail: Screed Options for SUPER 2500

AB 600-2

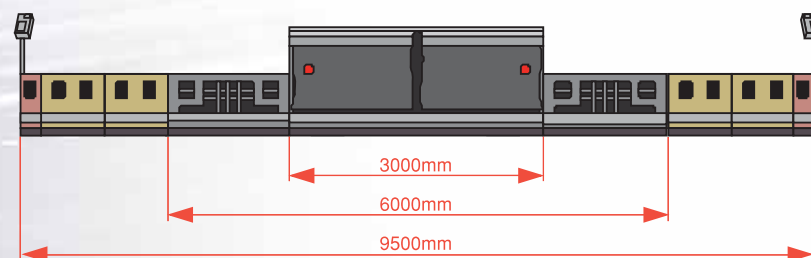
► Pavement Widths:

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

► Screed Versions:

- AB 600-2 TV with tamper and vibrators
- AB 600-2 TP1 with tamper and 1 pressure bar
- AB 600-2 TP2 with tamper and 2 pressure bars

Example: AB 600-2 TV built up to maximum pave width



SB 300

► Pavement Widths:

- Basic width 3m. Larger widths by addition of bolt-on extensions up to a maximum of 16m.
- Thanks to 75cm hydraulic bolt-on extensions, users benefit from the advantages of VÖGELE Extending Screed Technology also for their Fixed-Width Screed.

► Screed Versions:

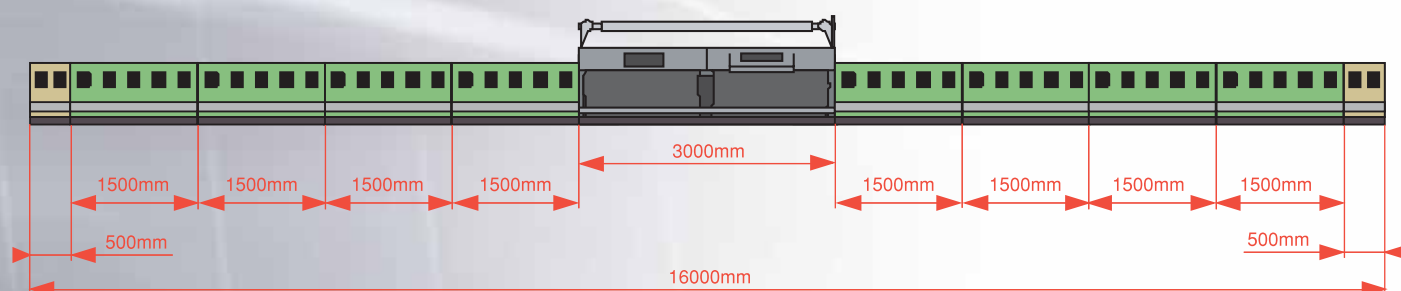
- SB 300 TV with tamper and vibrators
- SB 300 TP1 with tamper and 1 pressure bar
- SB 300 TP2 with tamper and 2 pressure bars
- SB 300 TVP2 with tamper, vibrators and 2 pressure bars

► Hydraulic Bolt-on Extensions for the SB 300 Fixed-Width Screed:

- Turns your fixed-width screed in a hydraulically variable screed.
- Combines the advantage of a fixed-width screed (large pave width) with an extending screed's advantage of a hydraulically variable width.
- Larger field of applications for fixed-width screeds thanks to infinite variation of pave width within 1.5m.
- Saves time, no mounting and demounting of conventional bolt-on extensions in order to change screed width within the range of 1.5m.
- Allows non-stop paving for high pavement quality.

The telescoping system of the hydraulic bolt-on extensions is based on the proven technology of VÖGELE Extending Screeds. Units are available in versions T (with tamper), TP1 (with tamper and 1 pressure bar) or TP2 (with tamper and 2 pressure bars).

Example: SB 300 TV built up to maximum pave width



► Transverse Pavement Profiles:

- Positive and negative crown can be paved with all screed types.
- The AB screeds' extending units adjustable in height and spindles provided on either side of each extending unit allow the Extending Screeds to be set up to a variety of additional special profiles.

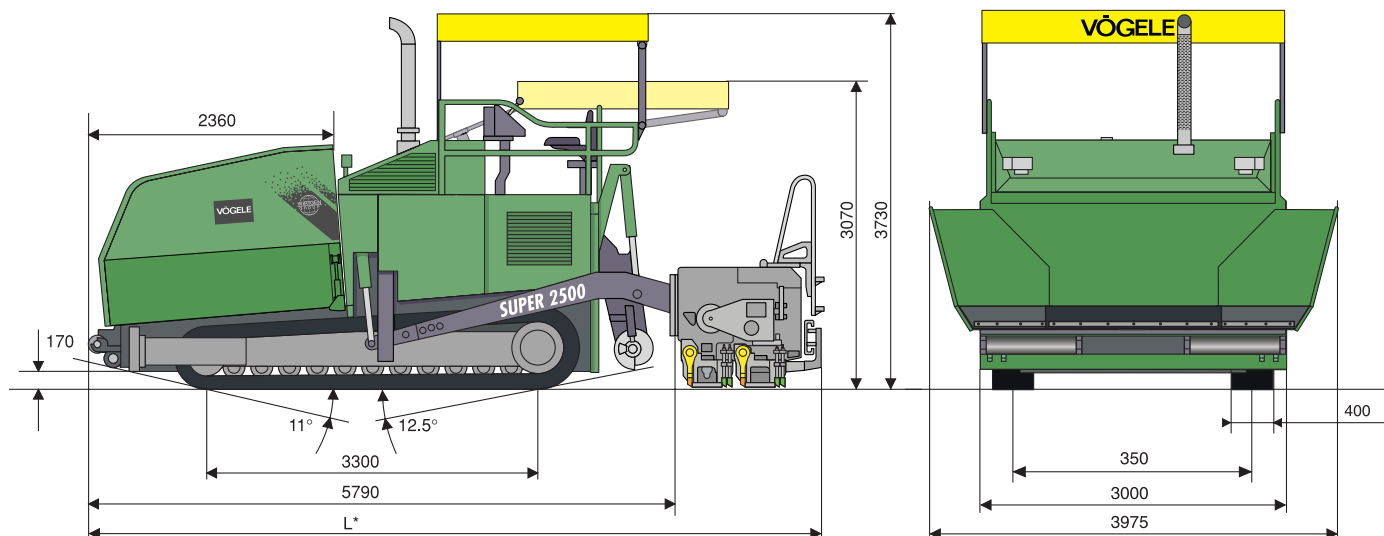
► Electric Screed Heating:

- A uniform pavement surface is achieved even when screed fully extended thanks to perfectly heated screed plates, tamper bar and pressure bar(s).
- Even with engine running at minimum rpm, the time required for the screed to reach operating temperature is reduced substantially thanks to intelligent Generator Management.
- With paver functions set to automatic, the Generator Management activates Alternating Mode for screed heating (heats the screed alternately to left and right), a feature which is easy on the engine and reduces fuel consumption considerably.

OPTIONAL EQUIPMENT FOR SUPER 2500

- Sonic sensors to monitor head of mix in front of screed
- NIVELTRONIC® Plus for Automated Grade and Slope Control (various sensors available)
- Automated Steering Control
- Washdown system
- Power outlets to connect electric tools
- Canopy
- Luxury driver's seat, heated

For more optional extras please contact your VÖGELE partner.



Dimensions in mm

L* = Dependent on Screed Type (see Specification)

Specification SUPER 2500

Power Unit

Engine:	liquid-cooled DEUTZ diesel engine
Type:	TCD 2015 V6
Output:	273 kW at 1,800 rpm (according to DIN)
Fuel Tank:	405 litres
Electrical System:	24 V

Undercarriage

Crawler Tracks:	provided with rubber pads
Ground Contact:	3,300mm x 400mm
Suspension:	oscillating
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 18m/min., infinitely variable - Travel: up to 3.2km/h, infinitely variable

Service Brake:	hydrostatic
Parking Brake:	spring-loaded multiple-disk brake, maintenance-free

Material Hopper

Hopper Capacity:	17.5 tonnes
Width:	3,975mm
Feed Height:	815mm (bottom of material hopper)
Push-Rollers:	oscillating

Conveyors and Augers

Conveyors:	2, with replaceable feeder bars
	Drive: hydraulic, separate drive provided for each conveyor
	Speed: up to 24m/min., infinitely variable (manual or automatic)
Augers:	2, with replaceable auger blades
	Diameter: 480mm
	Drive: hydraulic, separate drive provided for each auger
	Speed: up to 70 revs/min., infinitely variable
	Auger Height: infinitely variable by 15cm
Lubrication:	Centralized Lubrication System with electrically driven grease pump

Screed Options

SB 300:	basic width 3m maximum width (TV) 16m
AB 600-2:	basic width 3m, infinitely variable range 3m to 6m maximum width (TV/TP1/TP2) 9.5m

Screed Versions:	TV, TP1, TP2, TVP2 (SB 300)
Layer Thickness:	up to 40cm
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 300 TV/TP1/TP2/TVP2: 7m
	- AB 600-2 TV: 7.1m
	- AB 600-2 TP1/TP2: 7.2m

Weights:	Tractor Unit with AB 600-2 Screed in TV Version:
	- Pave Widths up to 6m: 27.6 tonnes
	- Pave Widths up to 9.5m: 29.7 tonnes

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.

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