

Tracked Paver

# SUPER 700



## SUPER 700

Paving Widths 20 in. to 10 ft. 6 in.  
Maximum Laydown Rate 280 tons/h  
Clearance Width 3 ft. 11 in.

## Great Things Come in Small Packages



The SUPER 700 has the robustness of a highway class paver in a compact package. It is perfect for utility paving, footpaths, cycle paths, confined areas, road shoulders and widening, repair and rehabilitation, commercial paving, paving inside of structures and driveways. It has also proven to be an effective tool for landscaping projects.

Machine-based placing of floors inside factory halls or basement garages makes high demands on paver technology as it requires a compact design and excellent maneuverability. The SUPER 700 offers everything one expects from a paver in its class.

Other features of the small SUPER 700 are its convenient handling and NIVELTRONIC® SC, the easy to operate System for Automatic Grade and Slope Control. The paver comes with electric screed heating that quickly heats the screed to operating temperature and works absolutely reliable. The SUPER 700 is the perfect “rebuildable cart-path” paver.

### SUPER 700

#### At a Glance



- ▶ Track gauge 3 ft. 7 in.
- ▶ Clearance width just 3 ft. 11 in.
- ▶ Paving widths from 20 in. to 10 ft. 6 in.
- ▶ Laydown rate up to 280 tons/h.
- ▶ Paving speed up to 200 fpm.
- ▶ Powerful and economical DEUTZ engine rated at 60 h.p., with ECO mode.
- ▶ Combines with AB 200 Extending Screed in V version (vibration).
- ▶ Asymmetrical material hopper.

# Tracked Paver SUPER 700



# Ideal for Use in Confined Spaces



Utility and repair paving



Surfacing paths in public parks, on golf courses etc.



Indoor applications (factory halls etc.)



Landscaping and sidewalks



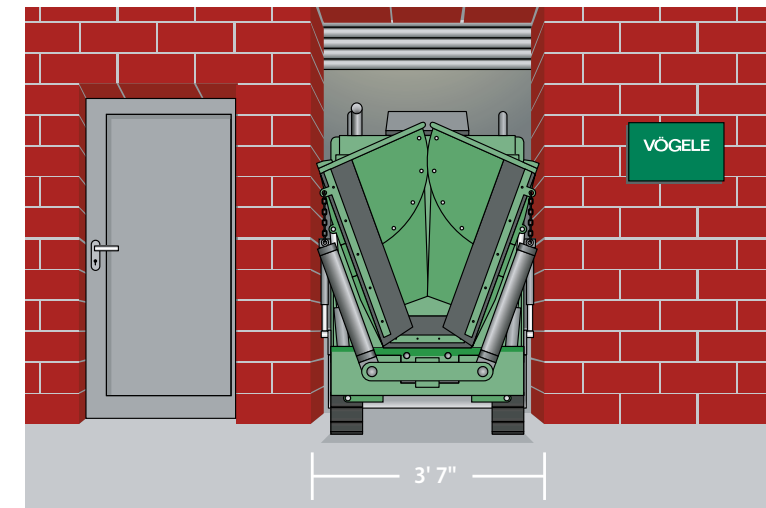
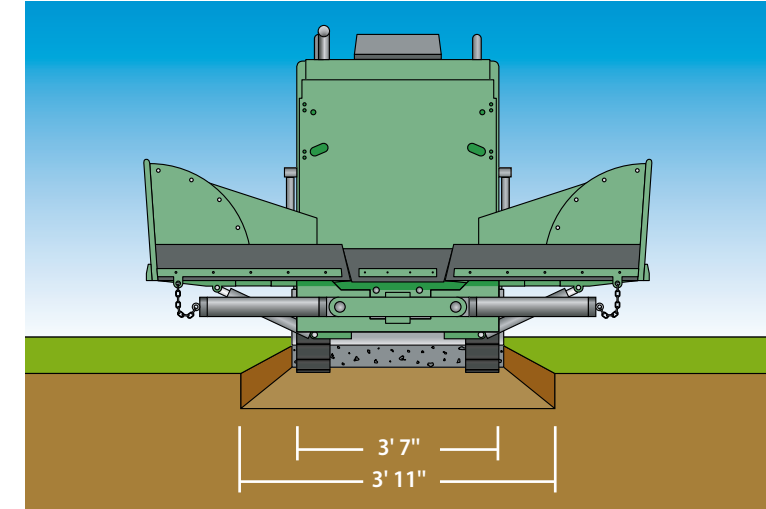
Paving medians, shoulders and road widening



Surfacing traffic areas and roads

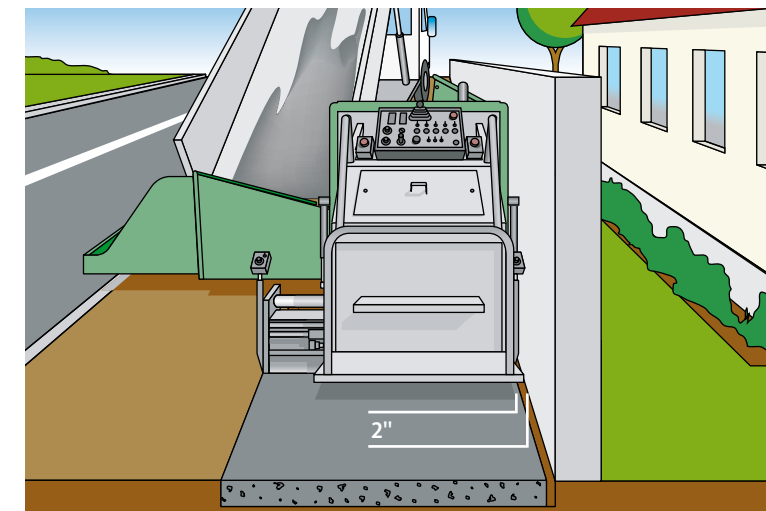
## Slim Profile – Ideal for Transportation and Paving

- ▶ Outer track gauge of just 3 ft. 7 in.
- ▶ Short transport length of only 14 ft. 4 in. and low weight of 13,000 lbs. allow economical transport.
- ▶ The compact size the SUPER 700 makes it ideal for paving jobs in factory halls or on industrial areas.



## Paving Right up to Boundaries

- ▶ The paver design allows machine-based paving up to within 2 inches of boundaries.
- ▶ When paving directly against a wall or barrier, the hinged hopper wing can be adjusted for many material feeding configurations.
- ▶ The asymmetrical hopper can be adjusted hydraulically (option) for on-the-fly changes.



## Material Feeding Made Easy



The **asymmetrical material hopper** (optional) allows mix to be supplied to the paver by feed truck even under the most difficult job site conditions.

- ▶ Feed with mix by large truck, wheel loader or transfer vehicle.
- ▶ Large material hopper holding 11,000 lbs.
- ▶ Large and oscillating push-rollers.
- ▶ Push-rollers fold in together with the hopper wings.
- ▶ Hinged upper sections of the hopper wings fold out mechanically.
- ▶ Asymmetrical hopper wing (left-hand) (optional) permits supply with mix by feed truck even when working in tight corners or paving along a wall.

## Optimal Flow of Material



The **small Vögele pavers** also come with an outstanding material handling system that prevents segregation and ensures uniform spreading of the mix in front of the screed.

- ▶ Conveyor drive at the rear of the machine (same design as the large Vögele pavers). Your benefit: optimum power transmission ensures a high feed rate of the conveyor while keeping wear low.
- ▶ Conveyor movement is reversible, thus no material spilled when moving the paver on the job site.
- ▶ Independent conveyor and augers with monitoring of mix levels provides optimum material flow and a consistent head of material.
- ▶ Well dimensioned conveyor tunnel allows high throughput of material.
- ▶ Homogeneous spreading of mix due to large auger flight diameter of 12 in.
- ▶ Cantilever auger shafts, without lateral bearings, reduce the risk of segregation.
- ▶ Augers infinitely variable in height by 4 in.

## Drive Concept: High Efficiency, High Tractive Effort



The SUPER 700's powerful and economical engine runs very quietly, making the paver ideal for use in urban areas.

- ▶ Modern DEUTZ engine rated at 60 h.p. installed for optimum efficiency.
- ▶ ECO mode is available for economical paving:
  - low fuel consumption
  - low noise
  - long service life.
- ▶ Hydraulic traction drive with separate control of pumps in closed loops provides for very precise steering and easy maneuvering.
- ▶ Paving speed up to 200 fpm
  - Paving Speed 1: up to 98 fpm
  - Paving Speed 2: up to 200 fpm
- ▶ Optimized drive concept for high tractive effort and excellent tracking stability.
- ▶ Hydraulic variable-speed drive for fan guarantees low noise levels.

## Operation and Maintenance



- ▶ The entire paving process is controlled easily and conveniently from the central operator's console.
- ▶ The SUPER 700 can be fully operated by one person.
- ▶ The control desk slides across the operator's stand for optimal visibility. An extra upper footstep makes it possible for the operator to obtain an excellent overview over and beyond the paver.
- ▶ Clear arrangement of easy-to-use paver controls and indicators.
- ▶ Easy maintenance with convenient access to all service points.
- ▶ Highly wear-resistant components installed for a long service life.
- ▶ NIVELTRONIC® SC Automatic Grade and Slope Control (optional), easy to handle, for precise monitoring and control of both tractor and screed provides for highest accuracy of levels even on difficult terrain.

# Screed



The AB 200 Extending Screed in V version is specially designed for use with the SUPER 700. It comes with a basic width of 3 ft. 7 in. and extends hydraulically up to 6 ft. 7 in.

Addition of bolt-on extensions increases the paving width of the AB 200 V to a maximum of 10 ft. 6 in. This variability allows the SUPER 700 with AB 200 V screed to easily handle footpath

and cycle path construction and perform minor paving jobs.

For paving widths smaller than the paver's basic width of 3 ft. 7 in., a special system for width reduction has been developed allowing infinite variation in width between 3 ft. 7 in. and 20 in. As the screed floats on the material even with the system for width reduction fitted, it achieves

optimal precompaction. This way, jobs such as pavement repairs can be carried out easily, quickly and to a high standard of quality.

The AB 200 V is equipped with vibration in the main screed, the extensions and in bolt-on extensions. The frequency of the eccentric vibrators is variable between 600 and 3,000 rpm.

## AB 200 V



- **Transverse Pavement Profiles**
  - The AB 200 V handles positive and negative crown within the range of -2.5% and +4.5%.
  - The 3 ft. 7 in. wide main screed is fitted with a single screed plate. No matter what kind of profile is selected, the result always is a perfect pavement surface with no median strip.
- **Electric Screed Heating**

VÖGELE are proud of a long experience as far as the use of electric screed heating is concerned. Like all VÖGELE screeds the AB 200 V, too, is heated electrically. This guarantees to users a uniform distribution of the heat on the sole plates of the main screed, the extending units and the bolt-on extensions, ideal preconditions to achieve a uniform surface texture.

# The Screed for SUPER 700



## AB 200 V

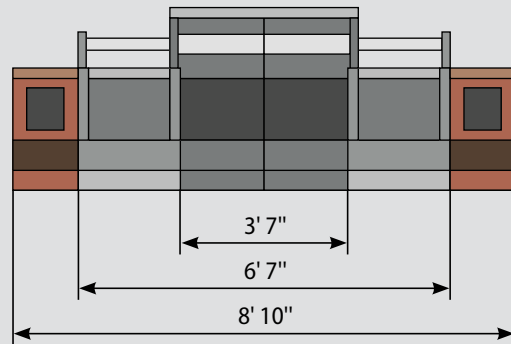
### Paving Widths

- Infinitely variable range from 3 ft. 7 in. to 6 ft. 7 in.
- Width by addition of 2 bolt-on extensions, 14 in. each: 8 ft. 10 in.
- Maximum width by addition of 2 bolt-on extensions, 2 ft. each: 10 ft. 6 in.

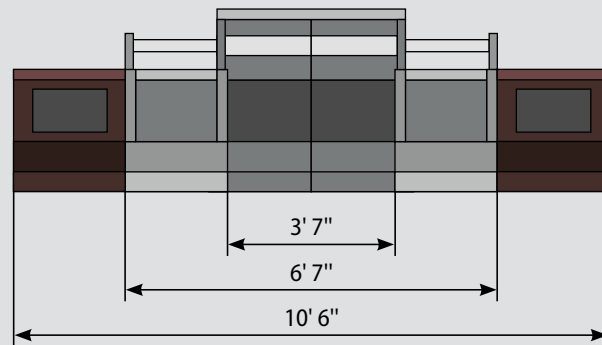
### Compacting System

- Vibration

AB 200 V with 14 in. bolt-on extensions



AB 200 V with 2 ft. bolt-on extensions



### Reduction in Width

- Once mounted, the system for paving width reduction allows infinite variation of the width from 3 ft. 7 in. to 20 in. This is conveniently handled from the screed console – without a need for conversion.
- With the system for width reduction offered by VÖGELE, the backfilling of trenches or paving in asymmetrical width along obstacles or walls is an easy game.

- With the system for paving width reduction fitted, the screed floats on the mix just as it does when paving in a non-reduced width. This allows the layer thickness to be adjusted via the screed tow point cylinders or even to be controlled with NIVELTRONIC®, the System for Automatic Grade and Slope Control. The floating screed not only provides for precise paving results, but also achieves excellent precompaction.

System for paving width reduction allows minimum width of 20 in.

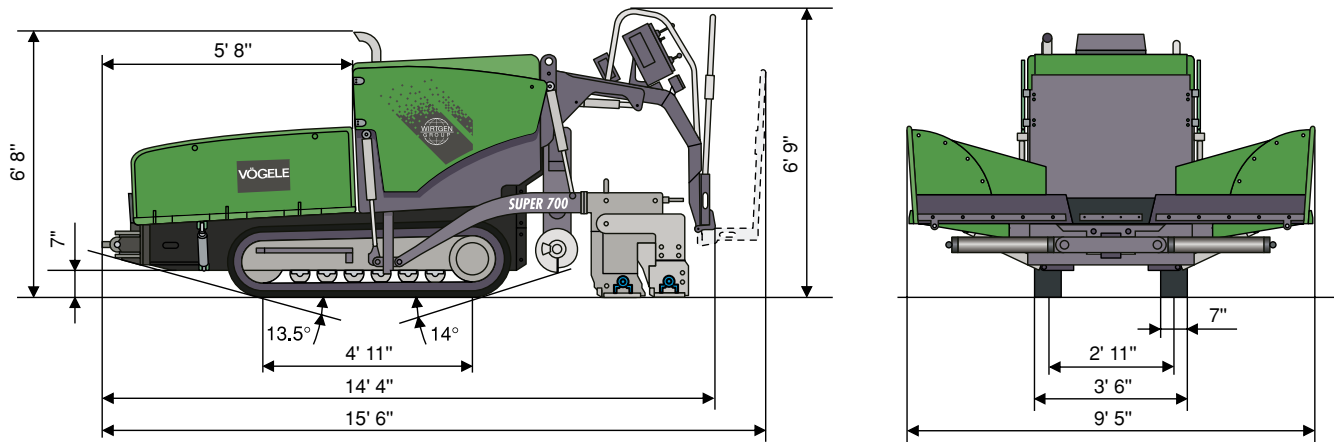


System for infinitely variable reduction in width.



Optimal profile accuracy even in tight corners.





#### Power Unit

Engine:	liquid-cooled DEUTZ diesel engine
Type:	TCD 2011 L03o
Output:	Nominal: 60 h.p. at 2,300 rpm ECO Mode: 51 h.p. at 1,800 rpm
Fuel Tank:	20 gal. (US)
Electrical System:	24 V

#### Undercarriage

Crawler Tracks:	provided with rubber pads
Ground Contact:	4 ft. 11 in. x 7 in.
Suspension:	rigid
Track Tensioning:	spring assembly
Track Rollers:	lifetime grease lubricated
Traction Drive:	separate hydraulic drive and electronic control provided for each crawler track
Speeds:	Paving Speed 1: up to 98 fpm, infinitely variable Paving Speed 2: up to 200 fpm, infinitely variable
Service Brake:	hydrostatic
Parking Brake:	spring-loaded multiple-disc brake, maintenance-free

#### Material Hopper

Hopper Capacity:	11,000 lbs.
Width:	9 ft. 5 in.
Dump Height:	1 ft. 8 in. (bottom of material hopper)
Push-Rollers:	oscillating, fold up together with hopper wings

#### Conveyor and Augers

Conveyor:	1, with replaceable feeder bars, conveyor movement is reversible Drive: hydraulic Speed: up to 66 fpm, infinitely variable (manual or automatic)
Augers:	2, mounted overhung, auger rotation is reversible Diameter: 12 in. Drive: separate hydraulic drive provided for each auger Speed: up to 60 rpm, infinitely variable Auger Height: infinitely variable by 4 in.

#### Screed

AB 200:	basic width 3 ft. 7 in. infinitely variable range 3 ft. 7 in. to 6 ft. 7 in. maximum width 10 ft. 6 in. minimum width 3 ft. 7 in./20 in.
Screed Version:	V
Layer Thickness:	up to 6 in.
Screed Heating:	electric by heating rods
Power Supply:	three-phase A.C. generator

#### Dimensions and Weights

Length:	Tractor Unit and Screed in Transport Position: 14 ft. 4 in.
Weight:	Tractor Unit with AB 200 V Screed Paving Widths up to 6 ft. 7 in.: 13,000 lbs.

#### Optional Equipment

	Asymmetrical hopper apron (left-hand). System for paving width reduction to a minimum of 20 in. NIVELTRONIC® SC Automatic Grade and Slope Control (various sensors available). For additional optional equipment, contact your VÖGELE representative.
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Key: V = equipped with Vibration AB = Extending Screed

Specifications subject to change without notice.

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