

VÖGELE

Range of Products



WHERE INNOVATION IS BORN

Efficiently short distances deliver top quality.

Joseph Vögele AG is a traditional family business, and has been part of the WIRTGEN GROUP since 1996. Our philosophy, our innovative strength and our business strategy have made us a world market leader. A staff of some 1,200 people at the world's most modern road paver manufacturing plant in Ludwigshafen works hard to keep us in that position. We are committed to attaining the best quality in all our products and services, with the best team.

We have been building and selling road construction machinery since 1929. Our product portfolio includes the world's most innovative pavers, screeds and material feeders. We are keen to pass on our knowledge and experience to young people, because they are the drivers of our future success.



JOSEPH VÖGELE AG

VÖGELE PLANT IN LUDWIGSHAFEN

TOP-CLASS PRODUCTION

Efficiently short distances deliver top quality.

The world of VÖGELE is a world of quality. We promise our customers top quality in all our products and services. How do we deliver on that promise? With supreme engineering skill. With smart innovations and a comprehensive product range. With employees who possess extensive expertise, and with technology that not only delivers perfect results, but is also highly user-friendly.

The VÖGELE manufacturing plant in Ludwigshafen is a state-of-the-art facility. In fact, it's the most modern paver plant in the world. A key factor in the world-beating efficiency of its production and assembly operations is its smart layout. Keeping distances short and creating a smooth assembly flow, with purpose-built production lines, allows VÖGELE employees to concentrate on their tasks with no unnecessary disruptions. Materials are stored right where they're needed. And components are pre-assembled right where they're going to be installed in the machine. That leaves us even more time for the essential ingredient: assuring the highest quality.

VÖGELE PLANT IN LUDWIGSHAFEN

PERFECT IN EVERY CLASS

The right paver for any job.

The paver sets the pace of any road construction project. The best roads in the world can only be constructed when this machine functions smoothly, delivers high quality and can be operated intuitively. At VÖGELE, these are our objectives: a highly motivated team, a corporate philosophy that puts everything second to the success of our customers, and an enormous product range of state-of-the-art pavers and screeds. The range covers Mini Class pavers to Highway Class machines and a paving width from 1 ft. 8 in to 32 ft. (9.75 m) VÖGELE also offers digital solutions provid-

ing comprehensive process optimization, simple job site documentation, or monitoring of paving temperature. This diverse range impressively demonstrates that we don't just make products, we also deliver solutions that benefit our customers, enabling them to be successful in a tough competitive environment.

The X-Tier pavers of the "Dash 5" generation from VÖGELE also set the scene for future technical developments - with proven performance.

VÖGELE RANGE OF PRODUCTS

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- **08 MINI CLASS**
 - > Maximum paving width 10 ft. 6 in. (3.2 m)
 - > Maximum laydown rate 275 tons/h (250 tonnes/h)
- **12 COMPACT CLASS**
 - > Maximum paving width 13 ft. 9 in. (5 m)
 - > Maximum laydown rate 385 tons/h (350 tonnes/h)
- **16 UNIVERSAL CLASS**
 - > Maximum paving width 21 ft. (6.4 m)
 - > Maximum laydown rate 770 tons/h (700 tonnes/h)
- **20 HIGHWAY CLASS**
 - > Maximum paving width 32 ft. (9.75 m)
 - > Maximum laydown rate 1,200 tons/h (1,100 tonnes/h)

- **24 SPECIAL CLASS**
 - > SprayJet
- **28 EXTENDING SCREEDS**
 - > Maximum paving width 32 ft. (9.75 m)

MINICLASS

Small and efficient.



- MINI CLASS

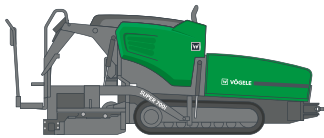
- SUPER 700i

The Mini Class comprises VÖGELE’s small pavers, which are designed for repair work, construction, cycle and foot paths, farm tracks, small roads, and sports areas. They can also be used for backfilling trenches, surfacing floors in halls or underground car parks, and for landscaping contracts. The machines featuring the ErgoBasic operating concept form part of the VÖGELE Classic Line.

up to 10 ft 6 in (3.2 m)
Paving width

up to 275 tons/h (250 tonnes/h)
Laydown rate

up to 6 in (15 cm)
Layer thickness



SUPER 700i

Maximum paving width	10 ft 6 in (3.2 m)
Maximum laydown rate	275 tons/h (250 tonnes/h)
Maximum layer thickness	6 in (15 cm)
Length (with AB 200)	14 ft 5 in (4.4 m)
Transport width	4 ft. 5 in. (1.33 m)

- > 4-cylinder diesel engine delivers 74 hp (55.4 kW) at 2,200 rpm
- > Maximum paving speed: 98 fpm (30 m/min)
- > ErgoBasic operating system
- > Niveltronic Basic System for Automated Grade and Slope Control
- > Receiving hopper holding 5,8 t
- > Combines with AB 200 V or AB 220 V Extending Screeds
- > Small clearance width of 4 ft. 7 in. (1.4 m)



¹ Performance of the i-machine for countries where compliance with European emissions category V and US EPA Tier 4f is required.

COMPACT CLASS

Compact and highly maneuverable.



- COMPACT CLASS

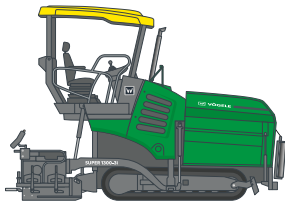
- SUPER 1300-3i

These are the distinctive features of the Compact Class pavers. VÖGELE compact pavers are thus ideally suited for small to medium-sized construction projects, even in tight spaces. This includes the construction or pavement rehabilitation of combined foot and cycle paths, inner-city streets, farm tracks or small to medium-sized areas.

up to 13 ft 9 in (4.2 m)
Paving width

up to 385 tons/h (350 tonnes/h)
Laydown rate

up to 10 in (25 cm)
Layer thickness



SUPER 1300-3i

Maximum paving width	13 ft 9 in (4.2 m)
Maximum laydown rate	385 tons/h (350 tonnes/h)
Maximum layer thickness	10 in (25 cm)
Length (with AB 340)	16 ft 3 in (4.95 m)
Transport width	6 ft 1 in (1.85 m)

- > 4-cylinder diesel engine delivers 100 hp (74.4 kW) at 2,000 rpm
- > Maximum paving speed: 98 fpm (30 m/min)
- > ErgoPlus 3 operating system
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Receiving hopper holding 22,000 lbs (10 tonnes)
- > Combines with AB 340 Extending Screed in the V version (with vibration) and TV version (with tamper and vibration)
- > Large range of applications from 2 ft 6 in (0.75 m) paving width



UNIVERSAL CLASS

Versatile and powerful.



- UNIVERSAL CLASS

- SUPER 1700-3i

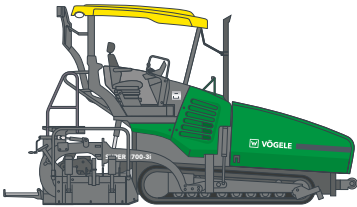
- SUPER 1703-3i

The extremely wide range of applications is the most striking feature of pavers in the Universal Class. They handle motorway projects just as well as roundabouts, because they can be combined with VÖGELE High Compaction Technology.

up to 21 ft. (6.4 m)
Paving width

up to 770 tons/h (700 tonnes/h)
Laydown rate

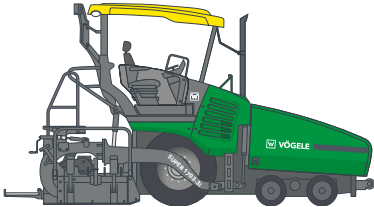
up to 12 in (30 cm)
Layer thickness



SUPER 1700-3i

Maximum paving width	21 ft. (6.4 m)
Maximum laydown rate	770 tons/h (700 tonnes/h)
Maximum layer thickness	12 in (30 cm)
Length (with VF 500)	18 ft 5 in (5.6 m)
Transport width	8 ft 6 in (2.59 m)

- > 4-cylinder diesel engine delivers 173 hp (129 kW) at 2,000 rpm
- > High paving speeds up to: 250 fpm (76 m/min)
- > ErgoPlus 3 operating system
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Receiving hopper holding 28,660 lbs (13 tonnes)
- > Combines with VF 500 or VR 500 Extending Screeds in the V version (with vibration)



SUPER 1703-3i

Maximum paving width	21 ft. (6.4 m)
Maximum laydown rate	770 tons/h (700 tonnes/h)
Maximum layer thickness	12 in (30 cm)
Length (with VF 500)	18 ft 5 in (5.6 m)
Transport width	8 ft 6 in (2.59 m)

- > 4-cylinder diesel engine delivers 173 hp (129 kW) at 2,000 rpm
- > Maximum paving speed: 250 fpm (76 m/min)
- > ErgoPlus 3 operating system
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Receiving hopper holding 28,660 lbs (13 tonnes)
- > Combines with VF 500 or VR 500 Extending Screeds in the V version (with vibration)
- > Travel speed up to 12 mph (20 km/h)
- > Drive by 2 rear and 2 front wheels (6x4) or optionally 2 rear and 4 front wheels (6x6)
- > Outer turning radius of just 11 ft 6 in (3.5 m) thanks to Pivot Steer



HIGHWAY CLASS

Far and wide.



- **HIGHWAY CLASS**

- **SUPER 2000-3i**

- **SUPER 2003-3i**

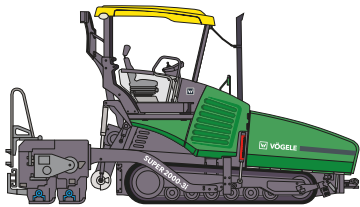
- **SUPER 2100-5 X**

Motorways and other challenging large-scale projects are the domain of VÖGELE pavers in the Highway Class. With these machines, exceptional paving widths and laydown rates, the optional use of high-compaction technology and ample power are features that go without saying.

up to 32 ft (9.75 m)
Paving width

up to 1,200 tons/h (1,100 tonnes/h)
Laydown rate

up to 12 in. (30 cm)
Layer thickness



SUPER 2000-3i

Maximum paving width	28 ft. 3 in. (8.6 m)
Maximum laydown rate	1,540 tons/h (1,400 tonnes/h)
Maximum layer thickness	12 in. (30 cm)
Length (with VF 600 V)	21 ft. 4 in. (6.5 m)
Transport width	10 ft. (3 m)

- > 6-cylinder diesel engine delivers 250 hp (186 kW) at 2,000 rpm
- > Maximum paving speed: 250 fpm (76 m/min.)
- > ErgoPlus 3 operating system
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Receiving hopper holding 16.5 tons (15 tonnes)
- > Combines with VF 600 V, VR 600 V, AB 600 TV Extending Screeds



SUPER 2003-3i

Maximum paving width	25 ft. 6 in. (7.75 m)
Maximum laydown rate	1,540 tons/h (1,400 tonnes/h)
Maximum layer thickness	12 in. (30 cm)
Length (with VF 600 V)	21 ft. 4 in. (6.5 m)
Transport width	10 ft. (3 m)

- > 6-cylinder diesel engine delivers 250 hp (186 kW) at 2,000 rpm
- > Maximum paving speed: 250 fpm (76 m/min.)
- > ErgoPlus 3 operating system
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Receiving hopper holding 16.5 tons (15 tonnes)
- > Combines with VF 600 V, VR 600 V, AB 600 TV Extending Screeds



SUPER 2100-5 X

Maximum paving width	32 ft. (9.75 m)
Maximum laydown rate	1,200 tons/h (1,100 tonnes/h)
Maximum layer thickness	12 in. (30 cm)
Length (with AB 500 TV)	22 ft. 2 in. (6.72 m)
Transport width	8 ft. 4 in. (2.55 m)

- > 6-cylinder diesel engine delivers 250 hp (187 kW) at 2,000 rpm
- > Maximum paving speed: 82 fpm (25 m/min)
- > ErgoPlus 5 operating system
- > Auto Grade Plus and Grade Assist for automated grade and slope
- > Receiving hopper holding 15.5 tons (14 tonnes)
- > AB 500 (TV, TP1, TP2, TP2 Plus), AB 600 (TV, TP1, TP2, TP2 Plus) Extending Screeds



SPECIAL CLASS

For special applications.

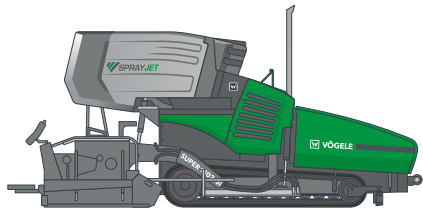


- SPECIAL CLASS
- SUPER 1800-3i SprayJet

The SUPER 1800-3i SprayJet offers many road and civil engineering contractors a great opportunity to use their pavers in a wide variety of applications - whether as a classic upper mid-range paver, or as a special machine for paving thin layers "hot on hot".

Paving thin layers
using unique spray technology

Conventional paving
of binder and surface courses



SUPER 1800-3i SprayJet

Maximum width of spread	19 ft 8 in (6 m)
Rate of spread	0.06 to 0.33 lbs/sq.ft (0.3 kg/m² to 1.6 kg/m²) ¹
Maximum laydown rate	770 tons/h (700 tonnes/h)
Transport width	8 ft 4 in (2.55 m)
Maximum paving speed	79 fpm (24 m/min)

- > World's only spray paver for paving thin overlay as well as conventional surface and binder courses
- > Emulsion sprayed at a rate of 0.3 to 1.6 kg/m²* in a clean and controlled process
- > ErgoPlus 3 operating concept for paver and spray module
- > Automatic functions aid preparation of the spray module, the spraying process, and caring for the spray module
- > 4-cylinder diesel engine developing 129 kW at 2,000 rpm
- > Hopper with 13 metric tonnes capacity
- > AB 500 (TV, TP1), AB 600 (TV, TP1) extending screeds



¹dependent on type of mix

EXTENDING SCREEDS



FRONT AND REAR-MOUNTED EXTENDING SCREEDS

- VF 500
- VR 500
- VF 600
- VR 600

EXTENDING SCREEDS

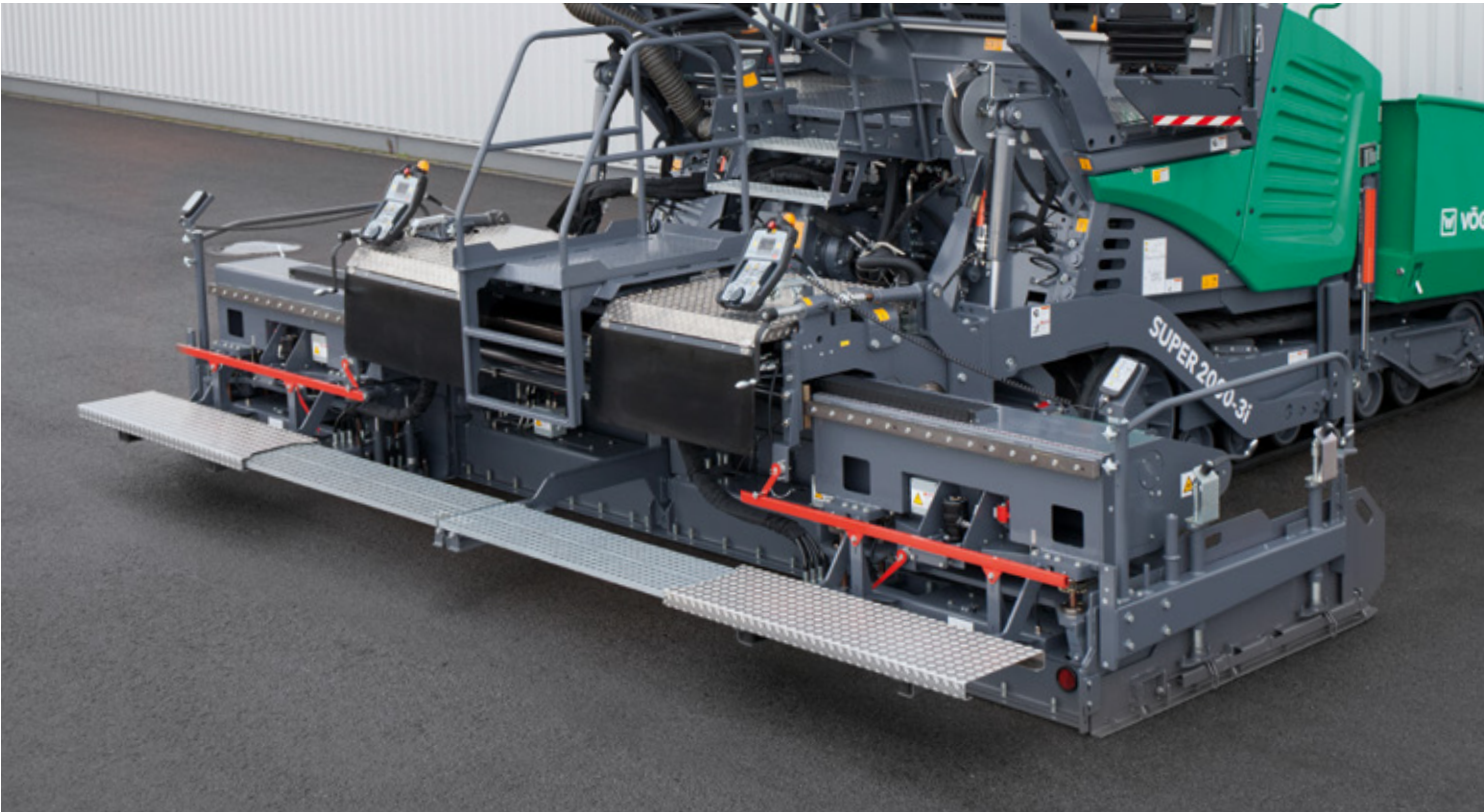
- AB 200
- AB 220
- AB 340
- AB 500
- AB 600

VÖGELE extending screeds, either front or rear-mounted are tailored specifically to meet the requirements of the North American and Australian markets and cover a wide range of applications. They are characterized by a high level of variability and are therefore ideal for paving different widths and winding roads. These VÖGELE screeds ensure high paving quality, even on projects involving long distances, large widths or high speeds. As state-of-the-art products, they accurately maintain paving parameters at the specified level throughout the entire paving phase.

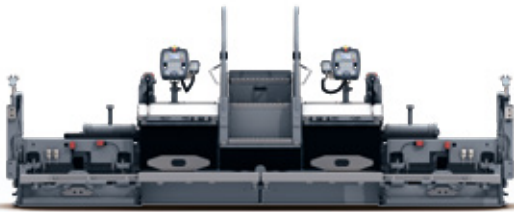
VÖGELE extending screeds, with their outstanding adaptability, are ideal for paving in varying widths and on winding roads. They cover a wide field of applications, handling widths from 20 in to 31 ft 2 in (0.5 m to 9.5 m). Depending on the type of paver used, they can be equipped with various compacting systems. The range extends from the simplest screed version with vibration (V) to the most powerful high-compaction screeds with tamper (T) and two pressure bars (P2).

up to 32 ft (9.75 m)
Paving width

up to 12 in. (30 cm)
Layer thickness



VF 500	
Basic width	8 ft. (2.45 m)
Infinitely variable range	up to 15 ft. 6 in. (4.75 m)
Maximum paving width	19 ft. 6 in. (5.95 m)
Screed version	V



VR 500	
Basic width	8 ft. 4 in. (2.55 m)
Infinitely variable range	up to 15 ft. 6 in. (4.9 m)
Maximum paving width	21 ft. (6.4 m)
Screed version	V



VF 600	
Basic width	10 ft. (3.05 m)
Infinitely variable range	up to 19 ft. 6 in. (5.95 m)
Maximum paving width	25 ft. 6 in. (7.75 m)
Screed version	V



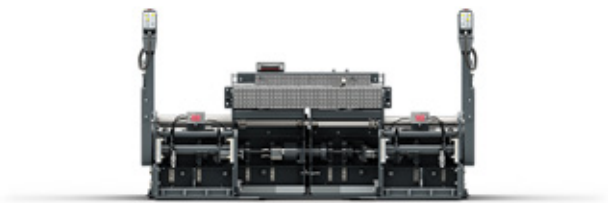
VR 600	
Basic width	10 ft. (3.05 m)
Infinitely variable range	up to 19 ft. 8 in. (6 m)
Maximum paving width	28 ft. 3 in. (8.6 m)
Screed version	V

- > Layer thickness up to 12 in (30 cm)
- > Bolt-on extensions: 12 in (30 cm), 24 in (60 cm)
- > Hydraulic crown adjustmen-2 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates heated electrically by heating rods

- > Layer thickness up to 12 in. (30 cm)
- > Bolt-on extensions: 12 in (30 cm), 24 in (60 cm), 29 in. (75 cm)
- > Hydraulic crown adjustmen-2 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates heated electrically by heating rods

- > Layer thickness up to 12 in. (30 cm)
- > Bolt-on extensions: 12 in (30 cm), 30 in. (75 cm)
- > Mechanic crown adjustment: -2 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates heated electrically by heating rods

- > Layer thickness up to 12 in. (30 cm)
- > Bolt-on extensions: 25 in (65 cm)
- > Hydraulic crown adjustment: -2.5 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates heated electrically by heating rods



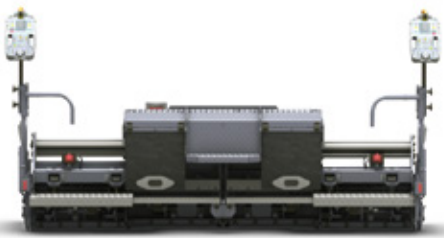
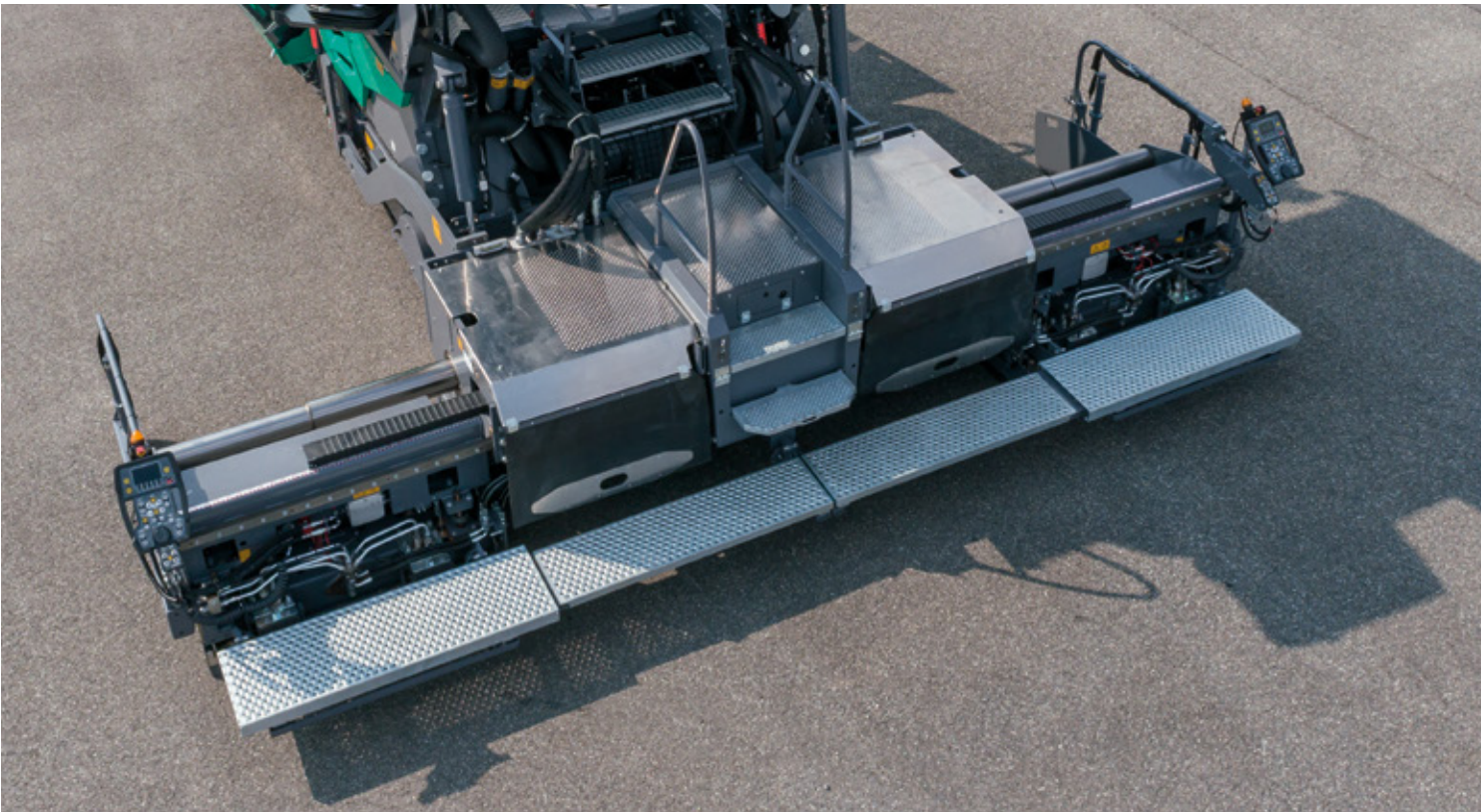
AB 200	
Basic width	3 ft. 7 in. (1.1 m)
Infinitely variable range	6 ft. 7 in. (2 m)
Maximum paving width	10 ft. 6 in. (3.2 m)
Screed version	V

- > Layer thickness up to 8 in. (20 cm)
- > Bolt-on Extensions: 14 in. (35 cm), 24 in. (60 cm)
- > Mechanical crown cdjustment -2 % to +4 %
- > Variable system for paving width reduction available from 20 in. (0.5 m) to 3 ft. 7 in. (1.1 m)



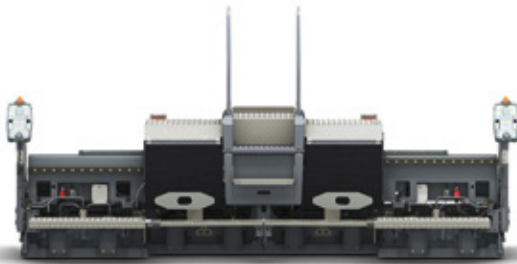
AB 220	
Basic width	3 ft. 11 in. (1.2 m)
Infinitely variable range	up to 7 ft. 3 in. (2.2 m)
Maximum paving width	10 ft. 6 in. (3.2 m)
Screed version	V

- > Layer thickness up to 8 in. (20 cm)
- > Bolt-on Extensions: 10 in. (25 cm), 20 in. (50 cm), 25 in. (65 cm)
- > Mechanical crown cdjustment -2 % to +4 %
- > Variable system for paving width reduction available from 20 in. (0.5 m) to 3 ft. 11 in. (1.2 m)



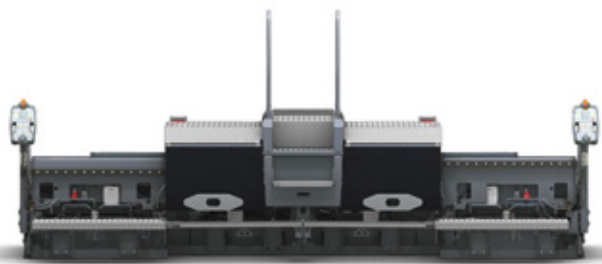
AB 340	
Basic width	5 ft. 11 in. (1.8 m)
Infinitely variable range	up to 11 ft. 2 in. (3.4 m)
Maximum paving width	13 ft. 9 in. (4.2 m) ¹
Screed version	V

- > Layer thickness up to 10 in. (25 cm)¹
- > Bolt-on Extensions: 10 in. (25 cm), 16 in. (40 cm), 22 in. (55 cm), 32 in. (80 cm)
- > Mechanical / optional hydraulic crown cdjustment -2.5 % to +3 %
- > M, W or parabolic profiles can be produced
- > Screed plates and tamper bars heated electrically by heating rods
- > Variable system for paving width reduction available from 20 in. (0.5 m) to 3 ft. 11 in. (1.20 m)



AB 500	
Basic width	8 ft. 4 in. (2.55 m)
Infinitely variable range	up to 16 ft. 5 in. (5 m)
Maximum paving width	27 ft. 11 in. (8.5 m) ¹
Screed version	TV TP1 TP2 TP2 Plus

- > Layer thickness up to 12 in. (30 cm)¹
- > Bolt-on extensions: 10 in. (25 cm), 30 in. (75 cm), 49 in. (125 cm)
- > Hydraulic crown adjustment: -2.5 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates, tamper bars and pressure bar(s), heated electrically by heating rods
- > Tamper stroke adjustable
 - > TP1/TP2: to 0.08 in., 0.15 in., 0.28 in. (2 mm, 4 mm, 7 mm)
 - > TP2 Plus: to 0.15 in., 0.28 in., 0.35 in. (4 mm, 7 mm, 9 mm)



AB 600	
Basic width	9 ft. 10 in. (3 m)
Infinitely variable range	up to 19 ft. 8 in. (6 m)
Maximum paving width	32 ft. (9.75 m) ¹
Screed version	TV TP1 TP2 TP2 Plus

- > Layer thickness up to 12 in. (30 cm)¹
- > Bolt-on extensions: 10 in. (25 cm), 30 in. (75 cm), 49 in. (125 cm)
- > Hydraulic crown adjustment: -2.5 % to +5 %
- > M, W or parabolic profiles can be produced
- > Screed plates, tamper bars and pressure bar(s), heated electrically by heating rods
- > Tamper stroke adjustable
 - > TP1/TP2: to 0.08 in., 0.15 in., 0.28 in. (2 mm, 4 mm, 7 mm)
 - > TP2 Plus: to 0.15 in., 0.28 in., 0.35 in. (4 mm, 7 mm, 9 mm)

¹dependent on type of paver

YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can always rely on.

Place your trust in our reliable and fast support during the complete life cycle of your machine. Our wide service offer includes suitable solutions to meet all of your challenges.



Service

We keep our service promises – with fast and simple assistance both on the building site as well as in our professional workshops. Our Service team has received expert training. Thanks to special tools, repair, care and maintenance work is completed quickly. Upon request, we can support you with tailored service agreements.

> www.wirtgen-group.com/service



Spare parts

Original parts and accessories from WIRTGEN GROUP can ensure the high reliability and availability of your machines long term. Our experts will be glad to advise you on application-focused wear part solutions. Our parts are available worldwide, at any time and are easy to order.

> parts.wirtgen-group.com



Training

Staff responsible for the WIRTGEN GROUP's product brands are specialists in their areas and have decades of application experience. Our customers also greatly benefit from these experts. In our WIRTGEN GROUP training courses, we gladly pass on our knowledge to operators and service personnel.

> www.wirtgen-group.com/training



Telematics solutions

Construction machines with leading technology and perfected telematics solutions work hand-in-hand in the WIRTGEN GROUP. The Operations Center* – the platform for digital solutions for process, machine and service optimization – allows you not only to simplify maintenance planning for your machines but also to increase your productivity and cost-effectiveness.

> www.wirtgen-group.com/telematics

*John Deere Operations Center™ (formerly WITOS) is currently not available in all countries. Please consult your responsible branch or dealer if you have any questions in this area.

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