

VÖGELE

Range of Products



 **VÖGELE**

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 providing 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.

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. (4.2 m)
- > Maximum laydown rate
385 tons/h (350 tonnes/h)

- **16 UNIVERSAL CLASS**

- > Maximum paving width
19 ft 6 in (5.95 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)
Pave width

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

up to 6 in (15 cm)
Layer thickness



SUPER 700i

Maximum pave 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)
Pave width

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

up to 10 in (25 cm)
Layer thickness



SUPER 1300-3i

Maximum pave 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) pave 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 19 ft 6 in (5.95 m)
Pave width

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

up to 12 in (30 cm)
Layer thickness



SUPER 1700-3i

Maximum pave width	19 ft 6 in (5.95 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 Extending Screed in the V version (with vibration)



SUPER 1703-3i

Maximum pave width	19 ft 6 in (5.95 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 Extending Screed 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 2100-5i

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)
Pave width

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

up to 16 in (40 cm)
Layer thickness



SUPER 2000-3i

Maximum pave 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 pave 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 2100-5i

Maximum pave 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
- > Niveltronic Plus System for Automated Grade and Slope Control
- > 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/m ² to 1.6 kg/m ²) 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
- VF 600
- VR 600

EXTENDING SCREEDS

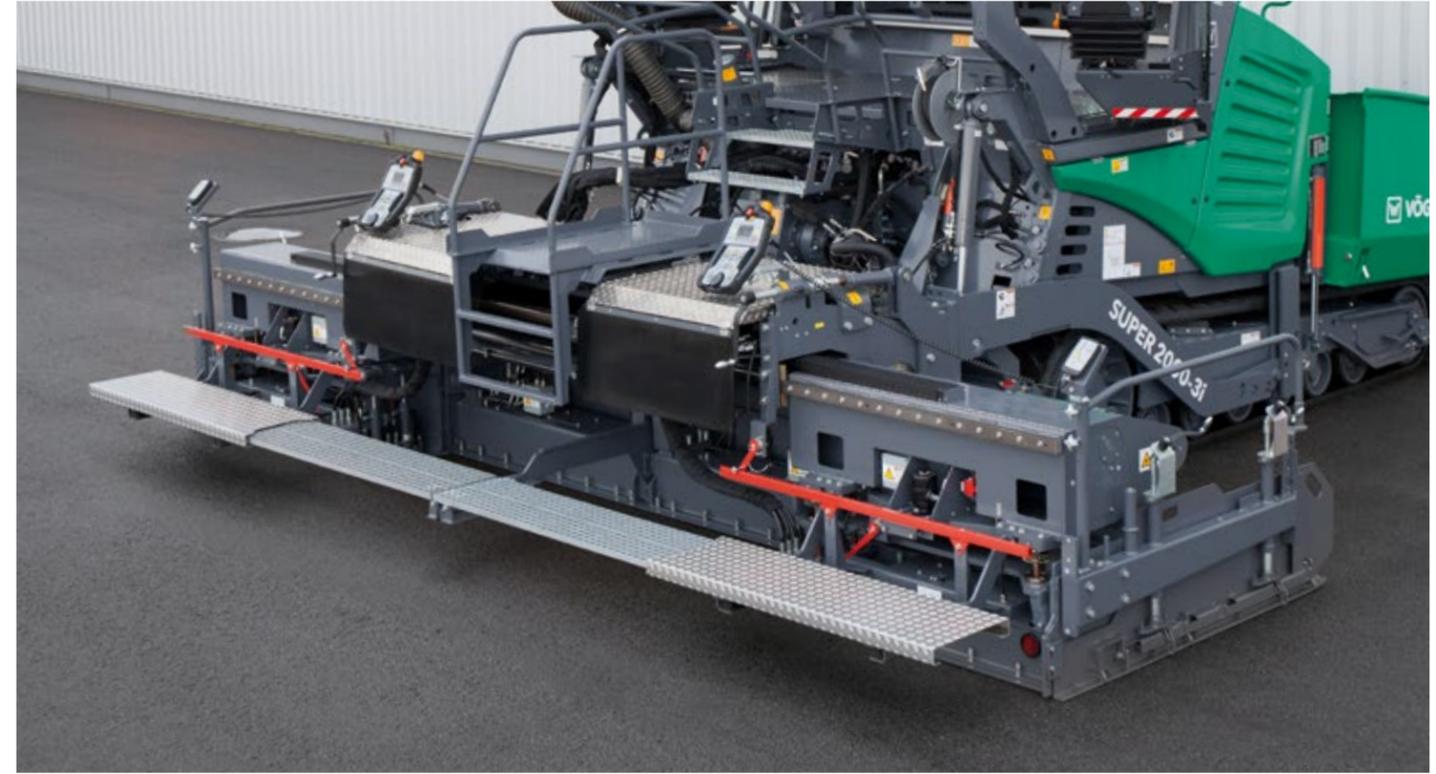
- AB 200
- AB 220
- AB 340
- AB 500
- AB 600

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)
Pave 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 pave width	19 ft. 6 in. (5.95 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 pave 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 pave 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 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: 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 pave 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 adjustment -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 pave width	10 ft. 6 in. (3.2 m)
Screed version	V

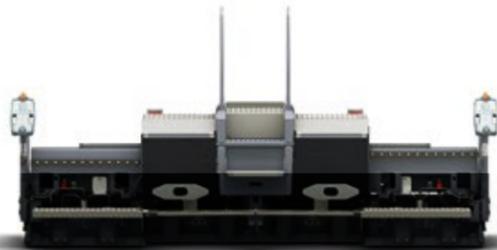
- > Layer thickness up to 8 in. (20 cm)
- > Bolt-on Extensions: 10 in. (25 cm), 20 in. (50 cm), 25 in. (65 cm)
- > Mechanical crown adjustment -2 % to +4 %
- > Variable system for paving width reduction available from 20 in. (0.5 m) to 3 ft. 11 in. (1.2 m)



AB 340

Basic width	5 ft. 11 in. (1.8 m)
Infinitely variable range	up to 11 ft. 2 in. (3.4 m)
Maximum pave 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 adjustment -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 pave 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 pave width	31 ft. 2 in. (9.5 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)

¹dependent on type of paver

WIRTGEN GROUP CUSTOMER SUPPORT

Service you can rely on.

You can have confidence in reliable, swift support from us during the entire life cycle of your machine. Our wide range of services offer the right solution to any challenge you face.



Service

We keep our service promise with swift, straightforward assistance - on the job site or at our professional workshops. Our service team is trained to a professional standard, and dedicated tools ensure that repair, care and maintenance tasks are completed quickly. We can support you with customized service agreements on request.

> www.wirtgen-group.com/service



Spare parts

WIRTGEN GROUP original parts and accessories assure the long-term reliability and availability of your machines. Our experts will also be pleased to advise you about optimized wear part solutions to match your application. Our parts are available all over the world at all times, and are easy to order.

> parts.wirtgen-group.com



Training

The WIRTGEN GROUP brands are specialists in their field, with decades of experience in applications. Our customers benefit from that expertise.

Through our WIRTGEN GROUP training courses, we are delighted to pass our knowledge on to you, customized to suit both operators and servicing staff.

> www.wirtgen-group.com/training



Telematics solutions

In the WIRTGEN GROUP, construction machinery featuring leading-edge technology goes hand in hand with advanced telematics solutions. Intelligent monitoring systems such as WITOS or JD Link* not only make it easier for you to plan the maintenance of your machines, they also improve productivity and efficiency.

> www.wirtgen-group.com/telematics

* WITOS and JD Link are currently not available in all countries.
Please contact your local subsidiary or dealer for more information on this.



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