

FORUM

57

The Magazine of the

WIRTGEN GROUP

www.wirtgen-group.com

01/2019



BAUMA 2019

World Premieres Delight Customers

WIRTGEN / VÖGELE / HAMM / KLEEMANN / BENNINGHOVEN



Dear Partners, Customers, and Friends,

The Wirtgen Group’s joint trade show appearance with John Deere was a resounding success, the number of visitors to the booth as well as the interest in our company and our innovative products was simply overwhelming. Our participation in this year’s Bauma was the most successful in the history of the Wirtgen Group and was the perfect way to introduce John Deere motor graders to the European market.

FORUM 57 is completely focused on our Bauma appearance this year, and we look forward to sharing the positive atmosphere that we felt together with our visitors in Munich with you. We would like

to thank everyone, who visited us in Munich, for their interest in and loyalty to our company.
And I would like to express my special thanks to the Wirtgen Group’s and John Deere’s highly motivated trade show team, who worked passionately as one team to ensure that our joint trade show appearance was a complete success.

Domenic G. Ruccolo

PUBLISHING INFORMATION

FORUM The magazine for customers, employees, and friends of the Wirtgen Group
Publisher WIRTGEN GROUP, Branch of John Deere GmbH & Co. KG, Reinhard-Wirtgen-Straße 2, D-53578 Windhagen, Email: forum@wirtgen.de, www.wirtgen-group.com
Mannheim District Court, HRA 704371, VAT ID No.: DE 283 504 884
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Editorial Team Michaela Adams, Mario Linnemann, Angelika Schüler, Stella Richetti. All Rights Reserved. Reproduction and duplication prohibited without the editorial team’s written consent.
Production muehlhausmoers corporate communications gmbh
Translation Wieners + Wieners GmbH, Ahrensburg
Printing Company Gebr. Kopp GmbH & Co.KG, Cologne
Photos Michael Erner, Alex Schelbert
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Building the future together: John Deere got off to a great start in Europe.

06 The Wirtgen Group showcased its combined innovative strength at Bauma.

11

IN FOCUS

- 04 ■ **Innovative**
The Wirtgen Group at Bauma.
- 24 ■ **Specialized**
The technology centers demonstrated how specialization gives our product brands a technological edge.
- 30 ■ **Reliable**
Customer support ensures long-term success for customers.
- 34 ■ **Partnership**
The trade show stand reflected how close the Wirtgen Group is to its customers.

- 38 ■ **The Big Stage**
At the *Think Big!* stand, our trainees encouraged young people to pursue technical careers.

PEOPLE + INITIATIVES

- 40 ■ **Saving Incarcerated Children**
Aid project supports children in the Philippines under the age of criminal responsibility.

FORUM DIGITAL

You can easily download the current issue in PDF format or share Forum 57 with a friend by scanning the QR code to the right.
➤ www.wirtgen-group.com/forum-mobil

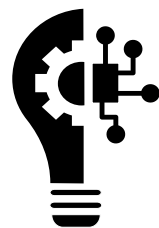




THE WIRTGEN GROUP AT BAUMA

Innovative

Exhibiting with John Deere for the first time on over 13,000 square meters of exhibition space with 120 individual exhibits, 18 world premieres, and 25 innovations – the Wirtgen Group's stand grew once again to fully showcase its innovative strength and entire range of products and services.





Although visually appealing, the real highlights are hidden inside the machines.

WIRTGEN: NEW GENERATION OF LARGE MILLING MACHINES

Reliable Intelligence

Wirtgen came to Munich with six world premieres and four innovations alone. The spotlight was on its new generation of large milling machines.

Connected Milling is the name of the concept that cold milling specialist Wirtgen is using to significantly increase milling efficiency. This term refers to intelligent systems that not only ensure that information flows seamlessly between the machine and its operator, but also bring the service workshop and scheduling office into the process – which benefits customers in numerous ways.

Always A Step Ahead

The large milling machines were extremely popular with visitors, with the W 210 Fi leading the pack. One such visitor was Maurizio Metelli, the owner of construction company Tima SRL, who directly purchased one of the latest generation of milling machines at the trade show. As a result, it's "the first of its kind in Italy – and we are extremely proud of this fact. This milling machine is full of cutting-edge technologies and solutions, like the Mill Assist assistance system."

This system conducts a comprehensive analysis of all the relevant parameters to digitally capture the entire milling process and simulate it in real time. The innovative Mill Assist machine control system helps the operator always maintain the right balance between performance, quality, and cost. In other words, the system calculates the most cost-effective machine settings for the respective milling site in real time – which translates into real savings for customers like Mr. Metelli.

Visitors also expressed a great deal of interest in the Wirtgen Performance Tracker (WPT) – the first system that automatically and transparently tracks and documents milling performance. After completing a milling job, a report with all of the relevant performance and consumption data is generated automatically in both Excel and PDF formats and sent by e-mail to the machine operator's order management office, for example. In addition to the latest generation, all Wirtgen large milling machines built in 2010 or later can be retrofitted with the WPT. ➡



Visitors were impressed by the variety of available options.

Slipform Pavers

High-Precision Concrete Paving

Featuring state-of-the-art technology, the SP 120 series stands out for its high paving accuracy, intuitive operation, and ease of use. In addition, when developing the SP 124i, Wirtgen focused on synergies with the SP 60 and SP 90 series.

Inset slipform pavers are the ideal choice for cost-effectively paving large concrete surfaces like highly durable highways or runways. Wirtgen presented the new SP 124i for the first time at Bauma, designed for working widths from 4.50 m to 12 m and paving thicknesses up to 450 mm. This is the first slipform paver in the 12 m class that Wirtgen has equipped with four steerable and slewing crawler units. The paver's additional maneuverability allows operators to quickly and flexibly adapt the machine to the conditions on the job site. It can also be used to pave a surface that is directly adjacent to an existing building.



Wirtgen's slipform pavers were out in force at the show, with a total of seven machines on display.

Not just innovative, but also safe to walk on.



Surface Miners

Raw Material Extraction Specialists

In addition to machinery for earthworks and road construction, Bauma is also a trade show for the mining industry. As such, Wirtgen unveiled two world premieres in this product segment: the 220 SMi and 220 SMi 3.8 surface miners. The new specialists for raw material extraction cut the material and deposit it behind the machine as a windrow.

The 220 SMi 3.8 is ideal for use in soft rock and in mining operations of all sizes. The 3.8-meter-wide cutting unit offers maximum cutting performance in soft rock with a uniaxial compressive strength of up to 35 MPa. The ideal use of engine power and low specific fuel consumption permits a

high daily output at a low cost per ton of extracted material.

Designed for cutting hard rock up to a uniaxial compressive strength of 50 MPa, the 220 SMi is used in small to medium-sized mining operations as well as for routing operations and infrastructure projects. Thanks to its compact dimensions and all-track steering, the surface miner has a tight turning radius, which is a particular advantage in small mining fields and when routing narrower sections such as ramps.

Two world premieres for surface mining.





Exciting discussions about environmentally friendly cold recycling.

Recyclers

Sets the Pace of the Recycling Process

The world's most state-of-the-art and efficient cold recycler, the W 380 CRi, also made its world debut at the Bauma trade show. The new generation of recyclers was specially developed to meet the requirements of structural road rehabilitation in order to maintain the functionality of the road infrastructure over the long term. What's special about the "in-place" method is that the asphalt surface layer is removed over the full width of a lane in just a single pass, directly mixed with binding agents like foamed bitumen, and then immediately repaved. As a rear

loader, the W 380 CRi feeds the material backwards to a Vögele paver following behind it. This machine immediately paves the surface with the recycled material, and then Hamm rollers behind it take care of final compaction.

The cold recycler uses the down-cut process, which makes it possible to systematically vary the size of the pieces – particularly of fragile, thin, old asphalt roads.

The benefits of the process are obvious, including being able to use 100% of the existing material, which reduces building material transports by up to 90%. At the same time, companies can cut resource consumption by 90% and completely eliminate the need to dispose of materials, significantly reducing fuel consumption and CO₂ emissions. Thanks to the special properties of the freshly recycled BSM, cold recycling technology results in very low costs over the entire life of the road. ■



The Wirtgen Group supplies all of the machines required for the in-place recycling process.

JOHN DEERE

An Impressive Debut

John Deere exhibited a representative sample of its range of construction machinery. This included motor graders that are distributed in Europe via the Wirtgen Group's German and French sales and service companies.

lineup inclusive of the very successful motor grader line we are now bringing into select European markets."

Motor Graders Now Available in Europe

The acquisition of the Wirtgen Group by John Deere, and the extensive use of motor graders in road construction resulted in keen interest in John Deere's earthmoving equipment. This interest prompted John Deere to begin selling the 622GP and 672GP Motor Graders in Germany and France via the Wirtgen Group's sales network.

World Premiere of New Excavators

The E210 LC and E360 LC Series-II excavators were unveiled to the public for the first time at the Bauma trade show in Munich. Both models are manufactured by John Deere in Tianjin, China. They are distributed in China, Russia, and parts of Southeast Asia through John Deere's dealer network. ■

John Deere showcased a total of 14 construction machines in their Wirtgen Group stand – for the first time ever. "The Wirtgen Group's strong brand is enabling us to introduce John Deere construction equipment to a broader set of global customers," said David Thorne, Senior Vice President, Sales & Marketing, Worldwide Construction & Forestry. "Customers will benefit from the size and scale of our product

Visitors showed significant interest in John Deere motor graders, which are available in Germany and France through the Wirtgen Group's sales network.



John Deere construction machinery's Bauma debut was a resounding success.



Trade show visitors were impressed by the small skid steers.



Top: An impressive 18-meter working width.

Bottom: The SUPER 3000-3(i) is a clear crowd favorite.



VÖGELE

Broadly Positioned

With the right solution for every application, Vögele presented four innovations for road pavers, screed technology, and digital process solutions at Bauma.

Versatile, economical, and user-friendly perfectly describe Vögele's largest paver, the SUPER 3000-3(i) - which features cutting-edge technology from top to bottom. Thanks to its 18-meter working width, the new flagship can seamlessly pave the surface layer of a four-lane highway. Numerous innovations such as the easy-to-learn ErgoPlus 3 operating system, with its display and automatic function, make this large paver a true all-rounder.

Maximum Material Performance

Large-scale paving operations have just become significantly easier. Thanks to an output of 354 kW, the diesel engine provides enough power for 1,800 tons of mix per hour. Vögele has revolutionized the conveyor unit in order to guarantee the perfect material feed for different layer thicknesses. A continuously adjustable chassis including scraper conveyor and spreading auger ensures that the material is always fed to the spreading auger from above.

Hydraulic World Premiere

A correctly adjusted tamper stroke plays a major role in compaction quality, particularly when layers of different thicknesses need to be paved with the same screed. This is why Vögele developed a hydraulic tamper stroke adjustment system. For high-quality paving results, operators can set a tamper stroke of 4 or 8 millimeters at the touch of a button on the ErgoPlus 3 operator's or screed control console. "Despite their size, the new fixed-width screeds are very easy to mount and operate," says Björn Westphal, Product Manager at Vögele.

Maximum Flatness

Greater flexibility thanks to a new screed concept - the SUPER 3000-3(i) can be combined with the AB 600 extending screed and the new SB 300 and SB 350 fixed-width screeds to achieve an absolutely even surface up to 18 meters wide with no longitudinal seams. The fixed-width screeds with a standard width of up to 3.50 meters make them the global market leader's most powerful screeds - paving ➡

“The new fixed-width screeds are designed for maximum width and performance, but also for maximum flexibility and efficiency.”

Björn Westphal, product manager at Vögele



Visitors received competent advice despite the large crowds.

base layers up to 50 centimeters thick is absolutely no problem. Incidentally, they can also be combined with other Premium Line pavers such as the SUPER 1800-3(i). Both screed types heat the material quickly and homogeneously thanks to the screed plate, tamper bar, and pressure bar.

Hydraulic extending attachments make the screeds extremely flexible. The fixed-width screeds can be adjusted by up to 2.50 meters, which has the advantage of eliminating the need for operators to manually mount or remove fixed screed extensions. “Operators can set the new paving width using the SmartWheel on the ErgoPlus 3 screed console without having to make any mechanical changes,” explains Björn Westphal.

New, Compact, Simple

The compact Classic Line pavers are also a new addition to the company's product range. The line's tracked SUPER 1000(i) paver and wheeled pavers are particularly suitable for cost-effective, high-quality paving within the scope of smaller gardening and landscaping projects. Both pavers are equipped with ErgoBasic, which is in no way inferior to the Premium Line's operating system - the machines can be operated just as quickly, accurately, and intuitively with the essential basic features the system includes. The clearly arranged function and status indicators work perfectly, even without a display. The glare-free backlighting for night-time use and the simple steering wheel are also helpful.

In addition to the user-friendly operating system, Vögele also offers the intuitive Niveltronic Basic automatic leveling system. It is completely integrated into the machine control system and guarantees level paving on any surface.

Outstanding Performance

With an output of 55.4 kW, the i-machines' diesel engines feature efficient exhaust aftertreatment, meet European and US emissions standards, and have a maximum transport speed of 20 kilometers per hour. Furthermore, the hydraulically adjustable spreading augers for different layer thicknesses are particularly user-friendly. ■



Telematics solutions made by Vögele ensure quality in road construction.



Site Documentation Is Going Digital

Global market leader Vögele has added a new, innovative product - WITOS Paving Docu - to its two existing job site solutions: the RoadScan contactless temperature measurement system, which can be used to continuously monitor the paving temperature, and the WITOS Paving Plus telematics solution, which can be used to coordinate and actively optimize all of the processes from mixing to paving in real time. WITOS Paving Docu fits right in between the two - the solution is designed specifically for construction companies that want to collect and evaluate additional data beyond just the paving temperature, but do not need the full functionality of WITOS Paving Plus, which includes process optimization.

With WITOS Paving Docu, site managers and foremen can initiate jobs directly on the site without prior planning and log a wide range of pavers and paving data such as working widths, paving speed and stops, and effective paving time. In addition, the system can be used to scan delivery documents via QR code (or enter them manually) as well as continuously calculate paving areas, quantities, and surface densities. After paving operations have been finished for the day, site reports are automatically sent by e-mail to selected recipients. With this system, the app and paver connect to each other via WLAN, meaning that information can be exchanged between the machine and the foreman's smartphone even at a site without any cellular reception.





Top: Hamm's HP series of rollers are designed for earthworks and asphalt construction.

Bottom: The "C models" are among Hamm's Bauma innovations for earthworks. They are equipped with a reinforced hydrostatic drive and deliver up to 30% more torque.

HAMM

Rolling ahead

At Bauma 2019, Hamm presented numerous innovations – each of them an example of “quality made in Germany.”

Time for a new generation of pneumatic tire rollers. With its HP series, the compaction specialist Hamm is bringing the next stage of pneumatic tire roller development into series production. The new models will be available worldwide by the end of 2019.

Unparalleled Field of View

A clear overview of the machine and the job site makes day-to-day work easier. The HP series achieves this with a spacious panoramic cabin that meets the ISO 5006-2017 field of view standard. In addition, the familiar asymmetrical frame ensures optimum visibility. By being aligned with the track offset between the front and rear wheels, the operator always has a clear view of the outer edges of the front and rear wheels.

Easy Operation

The user-friendly operating system is another highlight of the HP series, which is available on all models and has been designed using pictograms – making the interface intuitive to use for operators of all languages. The small number of switches are intelligently arranged around the operator's platform. The roller can be conveniently controlled via an ergonomically mounted joystick.

Flexible Ballasting

Correctly ballasting pneumatic tire rollers based on the type of asphalt, the layer thickness, and the application has a major impact on compaction quality. In this context, Hamm has developed a variable ballasting system that enables the flexible use of different weight variants depending on the application. In the HP series, ballast weights made of steel,

magnetite, or concrete can be pushed into and pulled out of the ballast spaces between the wheels.

Maximum Safety

No matter how many state-of-the-art features are included, the operator's safety is always the top priority. This is why the brake pedal on all models in the HP series is connected to the seat control unit, for example. As a result, the driver can always reach the brake, regardless of the position of the seat. To ensure maintenance operations remain safe and efficient, all of the service points are located on the right-hand side of the engine, which can be reached via a multi-step, outward-folding ladder. This means the operator can't forget to fold the ladder back into place when finished.

Larger Tank

Another feature that stands out is the newly designed, large water tank. Like the diesel tank, it offers sufficient capacity for one full day's work without having to stop to refill. In addition, the HP series offers an additional 1500-liter water tank. This can be used with the spraying system, but also as a flexible additional weight. The tank can be filled in around three minutes thanks to the C-pipe connection.

Innovative Additive

Companies increasingly need to pave surfaces with asphalt that is difficult to process. This is why Hamm has also optimized its additive spraying system. With the new machines, the additive concentrate is filled without premixing. Dosing can be adjusted at various levels from the operator's platform. The roller doses and mixes the additive automatically during compaction according to the specification – without segregating the additive/water mixture. ■



Two compaction systems – vibration and oscillation – were clearly explained at Hamm's technology center.

HAMM

Maintenance-Free Oscillation

For the first time ever, Hamm unveiled a roller with a split oscillation drum. It is used for compaction in curves and traffic circles. In addition, rollers with a split oscillation drum are perfect for compacting asphalt types that are sensitive to displacement. In the split oscillation drum, two separate, mechanically independent oscillation units operate in each half. A built-in, electro-hydraulic control system quickly and precisely adapts the location of imbalances to the position of the drum halves. As a result, both halves of the drum oscillate synchronously at all times, despite their different rotational speeds when cornering. Corresponding models will be available for all DV+ series rollers.

Wear-Resistant and Maintenance-Free

A further innovation is that all of the oscillation drums from Hamm now have a significantly longer service life thanks to the use of much thicker, extremely wear-resistant, fine-grained steel. In addition, the company introduced an optimized drive system and innovative toothed belts that are completely maintenance-free. The belts no longer need to be replaced after 2,000 operating hours, nor does the oil need to be changed – as is the case with other systems on the market. The new solutions designed to improve and enhance the oscillation drums benefit both the operators and the overall situation at the job site. Thanks to the use of the new toothed belts, the



Split oscillation combines the advantages of oscillation technology with the benefits of a split drum.

oscillation drums are namely much quieter during operation than before.

Compaction Measurement Module

In the field of oscillation, Hamm presented another world's first at Bauma. The HAMM Compaction Meter VIO complements the modules for compaction measurement and documentation (i.e. the HCQ, which stands for HAMM Compaction Quality). The HAMM Compaction Meter VIO now makes it possible to measure compaction in oscillation mode for the first time.

Patented Process

The system is based on a 2-axis accelerometer and a new, extended software package that determines the HVM value using a patented method. The system is immediately available for the H 7i VIO and H13i VIO compactors. In addition to its innovative technology, it is also extremely user-friendly, as it operates without any further input from the operator. If the HVM value is also logged to the HCQ Navigator, the actual level of compaction can also be determined by means of a calibration. As a result, VIO compactors from Hamm can quickly and accurately document reliable readings in all compaction control applications. ■



Top: Solutions for the quarry.
The new MOBICAT MC 120 Z PRO.

Bottom: The team had numerous interesting talks with Bauma visitors about Kleemann's many innovations.

KLEEMANN

Safe and Environmentally Friendly

Kleemann's crushers and screening plants feature innovative solutions for even greater safety and user-friendliness.

Simple operation despite complex technology – to achieve this goal, Kleemann relies on the SPECTIVE control system for the entire PRO line and the MOBIREX MR 130 Z EVO2 impact crusher. The heart of the system is a rugged, 12-inch touch panel. With clear symbols and simple menu navigation, it provides the operator with an intuitive overview of all of the functions they need. In fact, the interface is designed to be easy to use even in the face of environmental influences like dust, splashing water, and difficult lighting conditions.

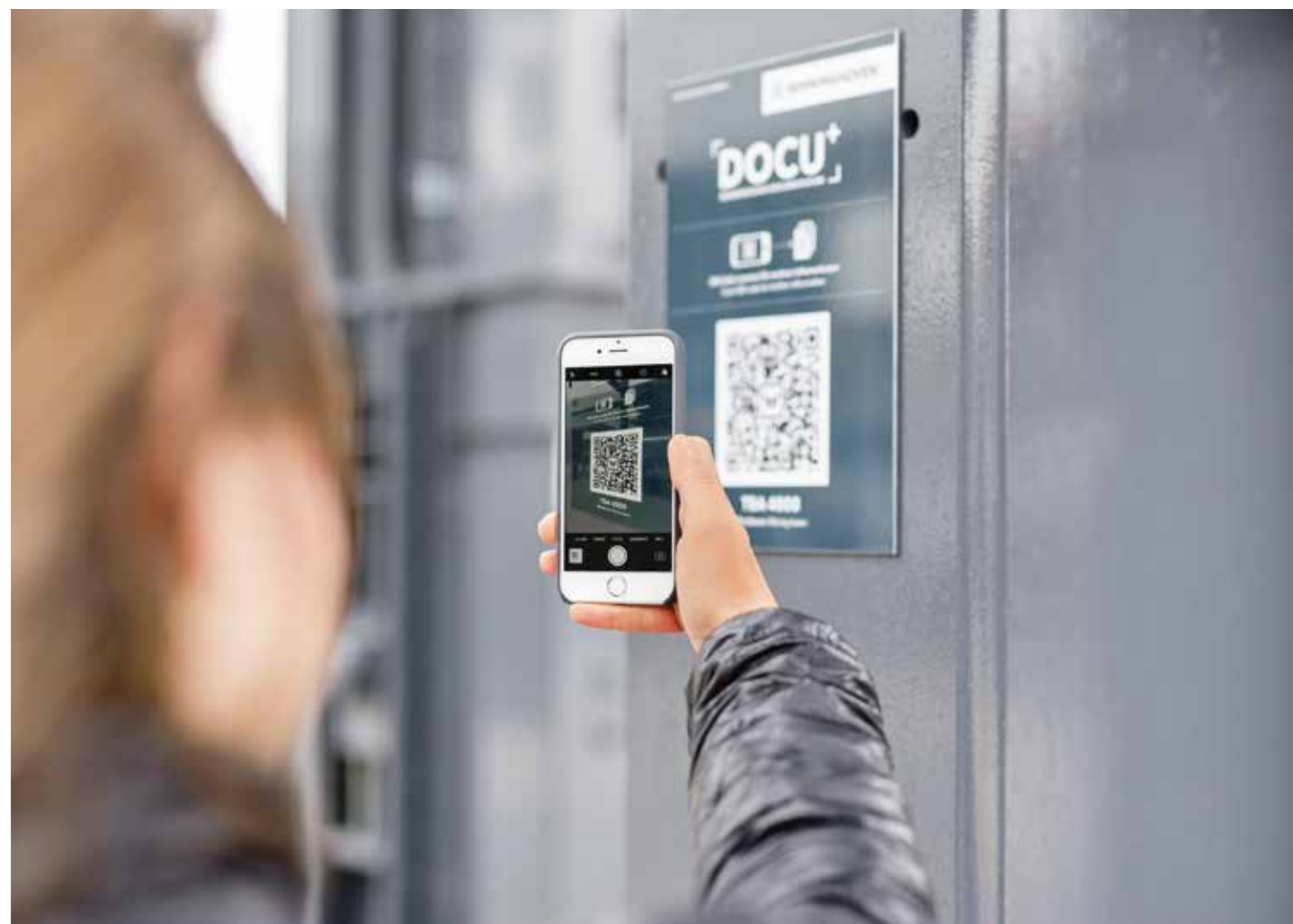
Ergonomics

It's no secret that crushing rock or rubble is a noisy job. As a result, operators must wear hearing protection whenever they are close to the machine. With its new optional package, Kleemann has now significantly reduced both the noise level and the perceptible sound radius – the minimum distance from the machine if not wearing hearing protection has been reduced by up to 60%. To achieve this, two acoustic protection flaps are mounted at the height of the engine to divert the sound upwards. Doing so reduces the sound level by a total of six decibels – although only three decibels is enough to reduce the

perceived noise by half. A further benefit is that the acoustic protection flaps have no effect on the transport width, since they are simply folded up against the machine during transport.

Maintenance

To ensure that maintenance is as convenient and safe as possible, all of the components of Kleemann's crushers and screening plants are accessible to users. The advantage of this high degree of accessibility is that service operations like refueling or changing pre-screen linings can be carried out conveniently from the ground or on specially designed platforms. The award-winning Lock & Turn system ensures greater safety when replacing blow bars. Special keys are used to unlock individual areas of the plant so that work can be performed there, such as moving components or opening maintenance flaps. If the key is removed, the areas are automatically locked. Another of the system's safety features is a rotating mechanism that allows the crusher's rotor to be manually adjusted and locked in any position from the outside by means of a gear. ■



Top: From smallest to largest - the ECO 1250, ECO 3000, and TBA 4000.

Bottom: Benninghoven's new Docu+ system, which offers digital access to customer-specific documents for the component or plant. Simply scan the QR code to view all of the relevant documents - like a list of spare parts, for example.

BENNINGHOVEN

Flexible All-Rounder

Cost-effective transport and rapid assembly - with its new ECO asphalt mixing plant, Benninghoven has further optimized plant mobility for customers.

Benninghoven unveiled its new ECO plant concept for the first time at Bau-
ma, and the series' modular design immediately caught visitors' attention.

The intelligent modular system allows the plants to be configured and upgraded as required, like adding one or two auxiliary towers (loading silos) or integrating a wide range of high-tech components for maximum flexibility. As a result, operators can easily respond to customer and market demands.

Thanks to its container design, the ECO series can also be transported particularly easily - the plants truly stand out for their versatility in this regard. The dimensions of the container are optimized for transport by ship, truck, or rail, meaning the plants can be relocated quickly and cost-effectively.

Rapidly Ready for Use

When designing the ECO asphalt mixing plant, a special emphasis was placed on ensuring that it could get up and running quickly. The ECO plants' "plug & work" cables facilitate rapid assembly and dismantling. As such, installation and startup are

possible within only a few weeks - this process can take several months with conventional plants. At the same time, the compact system achieves the same high level of production output. Once installed, this type of plant can produce up to 320 tons of asphalt per hour. A built-in mix storage silo offers storage capacity for up to ten different types of asphalt, making the ECO plant perfect for larger road construction projects.

Ideal Working Conditions

Color-coded position markers at lubrication points and well illuminated working areas, among other features, help make working with the ECO series fast and effective. Extra-large service openings and excellent accessibility in all areas thanks to an 800-millimeter-wide wraparound walking and working platform create the ideal conditions for servicing and maintaining the plant. ■



TECHNOLOGY CENTER

Specialized

Knowledge is the key to success. The Wirtgen, Vögele, Hamm, Kleemann, Benninghoven, and John Deere technology centers clearly demonstrated how specialization can create a technological edge.



WIRTGEN

Wirtgen's technology center was dedicated to the F-Series - the new generation of large milling machines. Here, visitors could learn about the new series in detail at six different stations featuring animations, graphics, and exhibits like the operator's platform.

For example, one station showcased Wirtgen's MMI (man-machine interface), showing just how easy it is to use the control panel GUI and the high-quality camera/monitor system.

➤ www.wirtgen.de



Visitors could also learn about the benefits of WPT, the Wirtgen Performance Tracker.



Using the diagnostic system, customers were able to test the quality and reliability of Wirtgen machines for themselves. In addition, the stations presented interesting facts about subjects like the dual CAN bus network.



Other highlights included exhibits on the Level Pro Active leveling system, Mill Assist, and the new MCS milling drum changing system.



This station explained how the new green sensors and the new Big Ski system work.

VÖGELE

The spotlight was on leveling and sensor systems at Vögele's technology center. Engaging exhibits explained to visitors which Vögele leveling sensor is suitable and recommended for a particular job site situation, for example.

> www.voegele.info



The new fixed-width screeds can seamlessly pave surface layers up to 18 meters wide. They also offer new features like hydraulic tamper bar adjustment and extra-wide extending attachments, user-friendly set-up aids, and an efficient heating system.



Visitors were provided detailed information about the features of both WITOS Paving Plus and the new WITOS Paving Docu documentation solution.



The ErgoPlus Simulator and the Classic and Premium Lines' different operating systems were also part of the exhibition.



HAMM

What will the job site of the future look like? What value can Hamm, as a roller manufacturer, add to the field of BIM? Which technological features of machines will be relevant in 10, 20, or even 30 years?

Visitors to Hamm's technology center had the chance to explore the job site of tomorrow. Different stations presented solutions for the site and the workplace of the future, tomorrow's compaction, as well as various technologies related to sustainability.

> www.hamm.eu



KLEEMANN

At its technology center, Kleemann provided a wealth of information on solutions for the quarry at several different stations. Rock samples, among other exhibits, were used to illustrate the varying requirements of the crushing process. A five-sided column presented Kleemann's product range and current promo-

tional product videos. Further stations showcased the company's line coupling, WITOS telematics, and SPECTIVE control system technologies. Animations of different machine combinations illustrated material flows at various crushing stages. Last but not least, a world map presented a variety of job reports and examples of solutions for the raw material.

> www.kleemann.info

BENNINGHOVEN



Benninghoven's technology center focused on the company's new product philosophy and its mixing plants' modular concept, which makes it possible to quickly and easily configure an asphalt mixing plant. Using the ECO series as an example, visitors were introduced to the wide range of configuration options available for this "globetrotter" - from cold feed to loading silos, these options ensure that customers can always select the solution that best meets their current needs. Examples of the ECO in use at sites around the world highlighted some of the widely differing conditions and requirements. The asphalt mixing plant's control system was also featured. The BLS 3000 offers customized controls for every application. In addition, a variety of different software tools make day-to-day work with the plant easier for the operator.

> www.benninghoven.com



JOHN DEERE

The backbone of John Deere equipment may be heavy steel, but behind it is cutting-edge technology that increases both productivity and uptime. At the John Deere Technology Center, visitors experienced this in many impressive ways.

The machine simulators, which allowed visitors to try their hand at operating an excavator or grader, were extremely popular. The simulators serve to familiarize customers with the operation of the

machine. The fully integrated SmartGrade grade control system display illustrated the differences between a standard grade control system available on the market and John Deere's SmartGrade technology for motor graders and crawler dozers.

The unmanned aerial intelligence system is sold and supported by John Deere dealers. This drone captures topographic data with high resolution to monitor site progress and perform asset management. All of these tasks are performed in a fraction of the time that would be required using traditional methods.

John Deere Connected Support™ was another area of focus at the Technology Center. With this high-tech tool, customers can increase uptime while simultaneously cutting costs.

Visitors also had the opportunity to explore the JDLink™ user interface. The telematics system's GUI for customers collects and organizes a wide variety of information from their machines to help them manage their fleet.



> www.deere.com



CUSTOMER SUPPORT

Reliable

The Wirtgen Group is committed to providing outstanding customer support. We always go the extra mile, ensuring our customers' long-term success with our products and services.



Sound advice and a high degree of professional expertise are key features of our service activities – and this also holds true at Bauma.

The special presentation by the Wirtgen Group was designed to resemble a workshop. And as is customary at the corporate group, the doors are always open for customers. Inside, users spoke about their daily challenges or workshop employees talked about their work maintaining the machines. This is where customers and Wirtgen Group service experts meet as partners, because they speak to each other as equals. The Area Service Managers spent decades traveling to job sites across the globe themselves and are familiar with Wirtgen Group machines and job site conditions on every continent. At the Wirtgen Group, knowledge and experience are shared and made available to customers, users, and workshop personnel. Knowledge is the key to success, and this is communicated to customers at the corporate group's Centers for Training and Technology (abbreviated CTT). In addition to the regular training program, customers also receive individual training tailored to their specific needs. To complement this training, the Wirtgen Group's technicians and site specialists consult with customers prior to the planned application and during implementation.

With the knowledge of how to unlock the full potential of the solutions from Wirtgen, Vögele, Hamm, Kleemann, and Benninghoven, customers can complete their projects more cost-effectively and maximize their profits. ➡

Wirtgen Group service agreements offer customers a comprehensive, full-service package.





Wirtgen Group original spare parts stand out due to their long service life, outstanding quality, and easy assembly.

Close to Our Customers

If customers ever face a problem at a job site, specialists like Kai Hermann get involved. When his telephone rings, the Service Manager Road from the Wirtgen Group sales and service company Windhagen knows that someone needs his help. And it goes without saying that he provides it rapidly and reliably – to get the job site back on track as quickly as possible. “In most cases, I just need to provide the operators with a few tips to get their machine up and running again,” says Hermann. If that doesn’t work, he only needs a few clicks to find the service technician who can reach the site in question in the shortest amount of time. Even complex issues can be solved at the site this way, as Fernando Alvarez Hernandez



We offer more than just original spare parts. Parts and More supports you in your daily work with your machines.

knows: “If you have any questions or problems at a job site, the technicians always help you very quickly,” explains the development engineer from Leica Geosystems Madrid.

For many visitors, the atmosphere is extremely relaxed at the Wirtgen Group workshop. These are customers who have a genuine interest in the service solutions offered by the Wirtgen Group. Here at Bauma, they could obtain specific information about the wide range of services available – straight from the same experts who will later support them during their day-to-day activities. Or, like engineer Ricardo Luna Valencia, CEO of the Mexican civil engineering company Construcarr, they use the opportunity to strengthen their personal relationships: “We have enjoyed a friendly relationship with the people at the Wirtgen Group for many years. And we appreciate the outstanding support from the dealer and service network.” Throughout the life of a machine and beyond. ■

► www.wirtgen-group.com/service

“We appreciate the outstanding support from the dealer and service network.”

Ricardo Luna Valencia,
CEO of Construcarr, Mexico



Susanne Stranzinger (left) and Julia Schörghofer, from Palfinger, Austria, with Markus Hamm (grandson of the founders of Hamm)

“At Palfinger, we are responsible for the central warehouse and materials management, and at Bauma we are interested in learning how other large companies handle issues such as ordering and supplying spare parts. We looked at the Wirtgen Group’s WIDOS documentation system and find it extremely well done. The information is saved so that even non-specialists can quickly find what they are looking for. The structure appears to be very well designed.”



IMPRESSIONS FROM BAUMA

Partnership

At the Wirtgen Group, we live and breathe customer intimacy and it's a cornerstone of our corporate culture. At Bauma, you could feel this throughout the entire stand - and later at the Ratskeller during our legendary evening events.



John Deere was the hot topic at Bauma, and visitors were extremely interested in all of the company's exhibits.

The Wirtgen Group's stand offered new perspectives and insights.





Customers appreciate our enthusiasm for our own technologies and our passion for innovation and advancement.

The info counter team was always in a good mood, even when things got really busy.



“We were just at the top of the Bennighoven mixing plant tower and learned about the RC components and solutions. We think this is the future. To me, Benninghoven is one of the top brands.”
Henrik Löfgren, Project Manager & Head of Machine Dept., Skanska, Sweden



“I saw numerous innovations here at the Wirtgen Group’s stand. My colleagues and I look forward to using them soon.”
Audunn Pálsson, Project Manager, Colas, Iceland

The mood at the Road Club, the Wirtgen Group hangout for die-hard fans, machine operators, and application experts.



The John Deere trade show crew was a valuable addition to the Wirtgen Group’s team. Well done, colleagues!

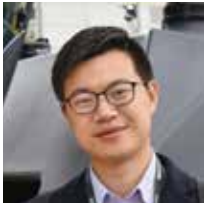


“SmartSynergies and Innovations” – the theme of the Wirtgen Group’s presence at Bauma – was ubiquitous.

1000 visitors had already taken a tour of the stand by the middle of the week – a new record.



“We have been a customer of the Wirtgen Group for some time now. We use slipform pavers, milling machines, and cold recycling equipment from Wirtgen as well as machines from Vögele and Hamm.”
Martin Peters, CEO, SR-Gruppen A/S, Denmark



“I’m primarily familiar with Hamm because they were the first on the market to consider developing an autonomous roller. Here at Bauma, I think the Power Hybrid roller is a great innovation.”
Nan Lin Sun, developer, Bosch-Rexroth, China

The Big Stage

As part of the *Think Big!* initiative, trainees from the Wirtgen Group encouraged young people to pursue technical careers while simultaneously demonstrating what the group of companies has to offer as an employer.

The young talent initiative *Think Big!* is a separate mini-trade show at Bauma for students between 12 and 18 years of age. Within the scope of this initiative, a total of 18 companies, educational institutions, and associations provided information on the wide variety of vocational and advanced training opportunities available in the industry on an area of around 3,000 m². And it goes without saying that the trainees from the Wirtgen Group also took part. In live shows and interactive activities at the info stand, they showed visitors just how exciting and interesting vocational training in an industrial and technical field at the Wirtgen Group can be. Even Germany's Federal Minister of Economic Affairs, Peter Altmaier, who paid the trainees at the stand located in the foyer of the Munich convention center a visit on Monday, was visibly impressed. *Think Big!* was organized by Germany's Mechanical Engineering Industry Association (VDMA) in cooperation with Messe München.

Experiencing Vocational Training Live

The 20-minute *Workshop Live* shows on stage were the highlight of the event. During these shows, the trainees worked on construction machinery they had brought with them and were interviewed by two hosts about their training programs. The Wirtgen Group trainees brought the Hamm HD 8 compact roller and the Wirtgen W 50 Ri small milling machine with them.

The visitors also extremely enjoyed the many hands-on activities at the Wirtgen Group's info stand. Soldering circuit boards and the self-constructed robot were just as popular as

The Wirtgen Group's trainees completed over 50 live shows during the trade show.



This is how to get young people excited about training in a technical profession.



The trainees presented their professions and the company.



Just give it a try – the hands-on activities were very popular.

the final projects presented by the trainees – but the programming competition was the clear crowd favorite.

The trainees provided competent answers to the interested students' questions with the help of the instructors themselves. "I am very proud of how passionately our junior staff presented themselves and our company here. This was also an outstanding team effort," said a delighted Boris Becker, Head of Training at Wirtgen, in response to the large crowd at the Wirtgen Group's stand. "Our trainees were even able to show off their talents during live shows. The experience is sure to benefit each one of them personally," he continued.

Actively Shaping the Future

Training has always been a top priority at the Wirtgen Group. The group of companies employs a total of 310 trainees at its German brand headquarters alone, and more than one third of the workforce was trained in-house in accredited vocational training programs. In this context, the philosophy is to train the employees of tomorrow within their own company – this is a worthwhile investment in a secure future for both sides, as the steady growth of the group has so far allowed the companies to hire nearly all of the trainees for a permanent position after completing their training. ■

➤ www.wirtgen-group.com/ausbildung

PARAGAN
 LAMANG ANG
 UPOS NG INYONG SIGARILYO
 SA BASURAHAN
 JUL 19

AID PROJECT IN THE PHILIPPINES

Saving Incarcerated Children

Many children between the ages of 12 and 15, i.e. below the age of criminal responsibility, are incarcerated in the prisons of Cebu City in the Philippines. Thanks to the "Children in Need" charity group's New Dawn Home project, 20 previously imprisoned boys have found a new home.

i KINDER IN NOT E.V.
 Charitable Activities

41 aid projects are currently being funded by the "Children in Need" charity group (Aktionsgruppe „Kinder in Not“ e.V.), which was founded by Gisela Wirtgen in 1983.

Its activities focus on schooling and vocational training for children and young people as a first step towards an independent life. The charitable organization is active in the following countries:

- The Philippines: Here, the aid projects are carried out at cemeteries and garbage dumps, in urban slums, and poorly developed rural regions.
- India: In addition to children from the lowest castes, the charity group also supports disabled girls and boys here.
- Brazil: Three daycare centers offer a ray of hope to street children and children from HIV-positive families, among others.

► www.kinder-in-not.de





Once they arrive at New Dawn Home, the boys receive everything they need for healthy physical development: something to eat, a place to sleep, clothing, medical care, and the ability to engage in meaningful recreational activities.

Sixteen percent of the Philippine population live on less than one US dollar a day. They live in dwellings that they have pieced together themselves from garbage and survive on odd jobs or collecting trash. To curb their hunger pangs, their daily menu consists of “pagpag” - leftovers from the dumpsters of city restaurants.

This life hits the children hardest. They suffer from poor nutrition, rejection and violence in their families, hard child labor, and abuse. Hoping to escape starvation and their broken families, they leave their homes. From this point on, the girls and boys live on the streets. They sniff glue and use it to numb their emotional pain. They often steal food in order to have something to eat, and are then incarcerated for these relatively petty crimes.

Discovering Their Own Strengths and Talents

What these young people experience in prison is simply inhumane. They are crammed into the smallest of spaces, often alongside adult offenders. They sometimes sleep on the bare floor, do not receive

sufficient meals, are beaten, mistreated, and often abused. The hygienic conditions are catastrophic. The bodies, minds, and souls of these girls and boys are severely damaged.

At New Dawn Home, 20 boys are receiving treatment from therapists to help them work through their childhood injuries and traumas. School lessons and recreational activities are giving them an opportunity to discover their own strengths and talents. Here they lead a dignified life, learn to treat others in a peaceful and respectful manner, and receive help for their future lives. ■



My very best wishes to you all,

Gisela Wirtgen

The “Children in Need”
Charity Group
Gisela Wirtgen
(Chairwoman)



Social workers from the PREDA organization search the prisons of Cebu City for children who have been incarcerated without standing trial and being convicted and then fight to get them released.



THE “CHILDREN IN NEED” INITIATIVE

YOU CAN ALSO HELP CHILDREN IN NEED!

Our projects are designed to help over the long term. Every cent brings us one step closer to our goal!

Accounts for Donations

Sparkasse Neuwied
Account Number: 012 022 752
Bank Identifier Code: 574 501 20
IBAN: DE87 5745 0120 0012 0227 52
SWIFT-BIC: MALADE51NWD

Raiffeisenbank Neustadt e.G.
IBAN: DE16 5706 9238 0100 0527 24
BIC: GENODED1ASN

The Charity Group

was founded in 1983 on the initiative of Gisela Wirtgen, operates on a voluntary and charitable basis for children in need based on the idea of “helping people help themselves,” is not affiliated with any political party or religious denomination, and carries out aid projects in the Philippines, India, and Brazil.

Further Information

 www.kinder-in-not.de



A JOHN DEERE COMPANY



WIRTGEN GROUP



To Be Continued

CLOSE TO OUR CUSTOMERS

The WIRTGEN GROUP would like to thank all of our visitors for their interest in and loyalty to our corporate group. We would also like to thank the dedicated WIRTGEN GROUP and John Deere team for their passionate commitment, which ultimately made our joint appearance at Bauma a resounding success.

 www.wirtgen-group.com/bauma

WIRTGEN / VÖGELE / HAMM / KLEEMANN / BENNINGHOVEN