# Wirtgen Group presents leading road construction technologies at Nordbau 2016

With Wirtgen, Vögele, Hamm, Kleemann and Benninghoven, all five product brands of the Wirtgen Group will be represented in Neumünster (Stand F-Nord-245, Kieler Strasse), exhibiting innovative solutions for the entire road construction process chain ranging from processing to mixing to paving and rehabilitation.

**Wirtgen: Cold milling – A generation ahead**

Over the last two years the cold milling machine market leader has completely revamped its product range of small and compact milling machines. Development mainly focused on simple handling for machine operators and process optimization during use of the machines. Both are reflected in the innovations, which prioritized control technology and ergonomics.

In the Compact Class, Wirtgen now combines the advantages of the small milling machines – maneuverability, one-man operation and flexibility – with the front-loading principle and the productivity of the large milling machines. Eight models with standard milling widths ranging from 1.0 to 1.5 m and milling depths of up to 330 mm are available to customers in this machine segment. Milling widths of 8 cm to 1.5 m are even possible with the Flexible Cutter System. The small milling machine range comprises 16 machines – all rear loaders – with milling widths ranging from 350 to 1,300 mm. At Nordbau, Wirtgen will be exhibiting the W 35 Ri, the smallest cold milling machine in its product portfolio.

**Vögele: Super 1800-3i, the innovative tracked paver**

The Vögele SUPER 1800 class is legendary. No other asphalt paver enjoys greater popularity amongst professional road building contractors the world over. When developing the SUPER 1800-3i, it was possible to retain the dimensions of the previous model, despite the introduction of entirely new drive technology. As a result, the new paver in the Universal Class follows on seamlessly from its predecessor, offering all of the latter's time-tested advantages. Special focus was also placed on the ecological, economic and ergonomic aspects. The Vögele EcoPlus package, for instance, significantly reduces both fuel consumption and noise levels. The ErgoPlus operating system has been upgraded to ErgoPlus 3 and now offers numerous additional ergonomic and functional features for the "Dash 3" generation. The paver operator's console comes with a large four-color display which provides brilliant readability even in poor lighting conditions. In addition, the AutoSet Plus and PaveDock Assistant functions make the paver even easier to work with. With a maximum pave width of 10.00 m and a machine length of just 6.00 m, this paver handles highway projects, rural roads or the surfacing of large areas as just easily as tight traffic circles.

**Hamm: Top class compaction and intuitive operation with the DV+**

Hamm, the world market leader for road rollers, has a comprehensive range of rollers for asphalt paving construction and earth-moving applications. The latest development for asphalt paving construction is the DV+ series. These pivot-steered tandem rollers have a tremendous track offset and four steering modes that enable very sensitive steering of the machines. The even and constant weight distribution, the automatic transmission for gentle acceleration and braking as well as the standard split vibrating drums deliver maximum evenness, even in tight bends.

The machines of the DV+ series are equipped with Easy Drive. This innovative operating concept permits safe and ergonomically optimized operation that is easy to learn. From the fully-glazed panoramic cabin, the driver always has a clear view of all drum edges, the edge pressing and cutting equipment as well as the job site. Windows in the cabin floor also allow the driver to see the drums as well as the wheels. At Nordbau 2016, Hamm will be exhibiting the DV+ 90i VO (9 t) tandem roller that compacts by means of vibration and oscillation.

**Kleemann: Compact jaw crusher for flexible deployment**

Good transport properties are essential for mobile crushers that are to be used on alternating operation sites. With its compact dimensions and a weight of 30 t, the MOBICAT MC 100 R EVO jaw crusher truly fits the bill. It can also be relocated in confined spaces and, with its integrated hopper walls and hydraulically folding side discharge conveyors, it has impressively short setup times. The jaw crusher is used both for natural stone and recycling applications. The track-proven Continuous Feed System optimizes the material flow and ensures constant crusher utilization. Up to 220 t of material can be processed per hour. The diesel-direct electric drive minimizes consumption. The control is comfortable and convenient for the operator, as all components and functions are controlled from a menu-guided touch panel.

**Benninghoven: Mastic asphalt technology – All from a single source**

In addition to roller-compacted asphalt, the Benninghoven asphalt mixing systems are also able to produce mastic asphalt. Mastic asphalt has gradually gained ground as a construction material due to its versatility. It has a long service life, is very economical and the operating costs are low. It is also environmentally friendly and can be fully recycled.

For this application, Benninghoven supplies technologies for everything from manufacture to storage through to transport. These technologies can be retrofitted to existing company and third party systems at any time. At Nordbau, Benninghoven will be exhibiting the Dumper DU 500 small mastic asphalt mixer. Featuring a direct hydraulic agitator drive and tilt mechanism, the vehicle is extremely maneuverable with its rear steering design and is particularly suitable for car park decks and inside buildings as well as on construction sites that are difficult to access. With the standard lighting and integrated trailer coupling, it can also be used as a traction vehicle – a tremendous plus. The mixer lifting mechanism can be operated with one hand while driving. The Benninghoven dumpers are also equipped with displays showing operating hours, tank and engine temperature as standard features. Continuous temperature monitoring and restriction guarantee a consistently high mixture quality and protect peripheral equipment.

Photos:

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|  | W50Ri\_01380\_HI The RAP loading systems of the Wirtgen small milling machine W 50 Ri make for maximum functionality. The large swivel angle, the practical quick-change coupling and the hydraulically operated folding conveyor simplify the work process tremendously. |

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|  | Super\_1800-3i With a maximum pave width of 10.00 m and a machine length of just 6.00 m, the Vögele SUPER 1800-3i handles highway projects, rural roads or the surfacing of large areas just as easily as tight traffic circles. |

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|  | **HAMM\_03\_DV+ Series**  The Hamm DV+ is available as a tandem roller with double vibration or with a vibratory and oscillating drum and also as a combi roller. |
|  | **MC\_100\_R\_EVO** The mobile Kleemann jaw crusher type MC 100 R EVO has impressive transport properties, flexibility and a high performance. |

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|  | Benninghoven\_Dumper\_Nordbau Small mastic asphalt mixer type DU 500, the solution for car park decks, inside buildings and on construction sites that are difficult to access. |

*Please Note These photos are only provided as a preview. For the printed publications please use the photos with a resolution of 300 dpi that are available for downloading from the Wirtgen GmbH/Wirtgen Group websites.*

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