

Road construction the modern way

MC-Max Asphalt Paving



3D asphalt paving anywhere
with maximum accuracy



MC-Max Paving

Height accuracy in paving is the most important factor

Accurate and validated work, right the first time

Modular approach

Combine GNSS and LPS while keeping the same main hardware components according to the requirements of your project.



Supported machinery

- Vögele Niveltronic
- Vögele Navitronic

Take advantage of the versatile MC-Max Asphalt paving control system.

Evolve with the environment to pave the road

Whether single or dual mmGPS in open skies, LPS (Local Positioning System) in urban areas, under trees, bridges or in tunnels - or RD-MC completely without optical aids - MC-Max Asphalt Paving opens up all possibilities thanks to its flexibility and modularity. Tailor the technology to your needs and projects - the accuracy speaks for itself.

Save time, achieve accuracy

Traditional methods of achieving smoothness no longer provide the quality criteria often desired by regulatory authorities. MC-Max Asphalt Paving utilizes ruggedized hardware with intuitive software for a complete solution that can be customized for success. Simple and proven workflows deliver a smooth and finished surface. Save money while optimizing the material flow paving always with the correct thickness. Benefit to steer the paver direction and control the screed width when using Vögele Navitronic Plus. This leads to material savings and reduced emissions, thus making a valuable contribution to protecting the environment.

Main Components



3D-MC software on the GX-Series displays



MC-X3 control unit including WiFi, Bluetooth, radio and cell modem



High-precision Inertial Measurement Unit (IMU)

LPS



LPS is suitable for urban areas, tunnels, under bridges, wooded areas, or any other locations without satellite coverage.



Use the Robotic Total Station or LN-150 Layout Navigator to position the machine on a jobsite.



The LPS solution may be combined with an additional GNSS receiver to follow an alignment.

mmGPS



The mmGPS is suitable for open areas with satellite coverage. mmGPS is available as single or dual solution.



Use the LZ-T5 to control the machine height on a jobsite.



The Single mmGPS solution may be combined with an additional GNSS receiver to follow an alignment.

RD-MC



RD-MC differential paving is the most versatile option without using optical devices.



The RD-MC is now also available with LPS for horizontal positioning.



Additional sensors may be used to measure existing surface height.



Specifications subject to change without notice.
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* Currently for Voegele pavers with Navitronic Plus