Topcon MC-Max RD-MC

Simple Process, Smart Design, Smooth Results

With variable 3D control, RD-MC is the most versatile resurfacing tool in the milling and paving industry.

Learn more at **topconpositioning.com**

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Differential milling or paving greatly advances the road resurfacing process.

RD-MC is a valuable component of the SmoothRide Workflow

SmoothRide is the ultimate methodology for effiicient road resurfacing. Utilizing this workflow, roadways are scanned using Topcon's revolutionary road scanners to detail surfaces like never before without interrupting traffiic flow. Then, design models are developed using the scanned data or, an existing model can be used to power the machine with RD-MC control. Resurfacing projects can be completed in less time, with less cost and increased safety through the use of automation.

- » Modular approach: Combine GNSS and LPS while keeping the same main hardware components according to the requirements of your project
- » Supported Machinery: Astec, Bomag, Wirtgen, Vögele and more...
- » Associated products: MC-Max Paving and MC-Max Milling

Virtual Ski Insights

Today's economies are under pressure to maintain existing infrastructure, including road maintenance. Utilizing Virtual Ski, planning and construction costs are minimized to effiiciently resurface roadways. Designs are no longer required by utilizing the revolutionary averaging feature in the 3D-MC software. Simply provide an accurate scan of the existing surface and variable-thickness paving or milling is taken to the next level. Virtual Ski creates an averaged and smoothed design of the existing road on the fly, in a range between 6.5 and 330 feet even in tight curves following the road.

Additional asphalt related solutions

Thermal Mapper – Avoid thermal segregation with real-time monitoring of the asphalt temperature directly behind the screed.

Pavelink – Plan, monitor and adjust your complete asphalt logistics from the plant to paving.

Main Components

3D-MC software on the GX-Series displays

Control unit including WiFi, Bluetooth, radio and cell modem

High-precision Inertial Measurement Unit (IMU)

RD-MC Components

RD-MC Paving utilizes Dual GNSS along with 2D sensors for true variable depth or thickness 3D control.

In areas without satellite coverage, LPS can be used for horizontal positioning.

Additional sensors may be used to measure existing surface height.

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