

The new dimension in asphalt compaction

SMART COMPACT



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Compaction assistant for asphalt construction

HAMM uses the Smart Compact digital compaction assistant to automate the separate adjustment of the individual drums, increases process reliability, and raises the quality of compaction to a new level - the first manufacturer in the world to do so.



Data is input and output via the additional smart display on the dashboard. This is where the driver sees the layer that is currently being processed, the direction of travel, the wind speed, the asphalt temperature, the compaction value (HVM) and the current compaction settings for each drum.

Automatic selection of the compaction type

Smart Compact is a digital compaction assistant for asphalt construction. The driver specifies whether a base, binder or asphalt surface course is to be compacted. Smart Compact handles the rest automatically as the system selects the optimal compaction mode. This means that Smart Compact decides how to compact for each drum individually: Statically, with oscillation or vibration, with small or big amplitude.

The system does this by evaluating physical properties of the asphalt, such as the temperature or rigidity. Furthermore, a weather station on the roller records various data such as wind direction and wind speed in order to take into account the complex cooling behaviour of the asphalt.

Fuel savings included

Smart Compact detects when dynamic compaction is not useful - for example, when the asphalt temperature is too low, or when reversing. The system then automatically switches to static compaction and puts the roller into ECO-Mode. This reduces the fuel consumption by up to 15%.

Always informed

Along with Smart Compact, an on-board computer can also be found on the display. This provides information about operating hours, fuel consumption, the distance driven and when the next DPF cleaning is due. The fill levels of the diesel, AdBlue, water and additive tanks are displayed. A warning is issued as soon as the value falls below a certain limit.

Prerequisites

- > Smart Display
- > HAMM Compaction Meter (HCM)
- > HAMM Temperature Meter (HTM)
- > Speedometer
- > Weather station (option)

Smart Compact is available for the HX series.

HAMM > THE ADVANTAGES AT A GLANCE

Smart Compact

- > Actively takes pressure off the roller drivers
- > Automatically selects the compaction mode (static, vibration, oscillation, small or big amplitude)
- > Compacts dynamically only when necessary
- > Saves fuel
- > Increases the quality of the compaction and the surfaces



HAMM AG

Hammstraße 1
95643 Tirschenreuth
Germany

T: +49 (0) 9631 80 0
F: +49 (0) 9631 80 111
M: info@hamm.eu

 www.hamm.eu



For further information, scan the code or
visit www.wirtgen-group.com/products-hamm