



MCA - COMPACTION ASSISTANT

MOBA[®]
MOBILE AUTOMATION

MOBA COMPACTION ASSISTANT - MCA FOR EVEN MORE QUALITY IN EARTHMOVING AND ROAD CONSTRUCTION

Whether in earthmoving or road construction, with the MCA of MOBA you compact roads and building sites at the highest level anytime. Thanks to intelligent temperature, crossing, frequency and amplitude measurement you always achieve the perfect compaction - efficiently and to the point. By this means you will benefit from reduced working hours and operating costs of the roll. Within the shortest time, you thus cost-effectively create the ideal foundation for building sites and uniform, durable streets.



EARTHWORKS



ROAD CONSTRUCTION



OPTIMAL ASPHALT SURFACES

MOBA COMPACTION ASSISTANT MCA-500

ALWAYS ON THE RIGHT TRACK

FEATURES GRAPHIC DISPLAY

- » Display of Intelligent Compaction Value
- » Display of vibration frequency
- » Display of amplitude
- » Temperature indicator (optional)
- » Display of compaction end



GDC-320

The MCA-500 measures and monitors all important factors, such as amplitude, vibration frequency and compaction end in real time. On our compact graphic display GDC-320 the calculated Intelligent Compaction Value is displayed, guaranteeing you always the optimum compaction result in the shortest time. An optionally integrated infrared sensor also enables the fast detection of the asphalt surface temperature for the ideal installation of bituminous paving in road construction.



TEMPERATURE **SENSOR**

COMPONENTS COMPACTION SYSTEM



ACCELERATION **SENSOR**

BENEFITS AT A GLANCE

- » High-quality compaction results
- » Uncomplicatedly and time-effectively installation and operation
- » onvenient, user-friendly operation
- » More flexibility through compatibility with all rolls
- » Increased productivity / efficiency of your roll
- » Less wear and operating costs through working time and fuel savings
- » Shorter construction times thanks to user-friendly fleet management
- » Documented quality by recorded data
- » Digital data availability without site visit



MOBA COMPACTION ASSISTANT MCA-3000 INTELLIGENT SYSTEM FOR BIG TASKS - THE PERFECTION OF COMPACTION

Through the optimal interaction between acceleration sensor, temperature sensor and GNSS antenna the MCA-3000 achieves compaction results at the highest level. With our high-end operand, the entire process is also visualized, thereby helping you to keep control of current asphalt temperature, the compaction target value and the number of crossings at all times. Thanks to an unproblematic display of measurements, the proper interpretation of the measured values are learnt intuitively and quickly. As a proof of quality all compaction data is also summarized and retrievable from a web server on demand at any time.

Thanks to its innovative fleet management the crossings of different rolls are synchronized with each other, so that each passage is optimally compacted. This automatic coordination ensures all-time highest quality and allows the use of multiple rollers and operators at the same time! Thus, large projects are implemented in the shortest possible time and extremely cost-effectively.

FEATURES **OPERAND-3000**

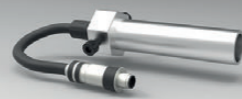
- » Measuring, displaying and storing the stiffness values
- » Color display of the compaction progress
- » GNSS positioning
- » Temperature acquisition and display of the temperature profile
- » Data storage of construction site, type of machine, driver and project data
- » Quality assurance by recording all data
- » Arbitrary screen displays
- » Data transfer via GSM on a web server



COMPONENTS OF THE **MCA-3000 COMPACTION SYSTEM**



GNSS **ANTENNA**



TEMPERATURE **SENSOR**



ACCELERATION **SENSOR**



FLEETMANAGEMENT - **MCA- 3000 COMPACTION SYSTEM**

ONE GROUP - ONE RESPONSIBILITY



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MOBA GROUP

The **MOBA GROUP** is a leading global player in the world of mobile automation. Close collaborations between the headquarter in Limburg an der Lahn and subsidiaries all over Europe, Asia, North and South America create new perspectives for recent and future developments.

Superior technical knowhow and more than 40 years of experience combined with an international dealer network guarantee a premium support - **worldwide. INSPIRING MOBILE AUTOMATION** - this is what the **MOBA GROUP** stands for.

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