



**MOBA**  
MOBILE AUTOMATION



# SUPER-SKI

## A QUANTUM LEAP IN LEVELING AUTOMATION

Experience the future of asphalt leveling with the SUPER-SKI - unsurpassed precision and efficiency! Its slim design and extremely easy handling take quality and process reliability to a new level.

# CHALLENGES IN ROAD CONSTRUCTION

In the demanding environment of road construction, quality, cost control and precise material use are critical. Contractors often face challenges that seem almost insurmountable without the right tools.



## UNEVENNESS

Manual height and slope measurements or the installation of a guidewire, in preparation for asphaltting cause considerable time and additional costs.



## DISTURBANCE VARIABLES

The use of short sensor elements with a small measuring range is more susceptible to disturbance variables. The installation of shafts significantly reduces the life cycle of the road.



## PAVEMENT TRANSITIONS

Roadway transition structures cannot be traversed with conventional technologies. This leads to additional manual work.







# MOBA INTELLIGENT PAVING SUPER-SKI

Increase the quality, efficiency and safety of your construction projects with the SUPER-SKI -an innovative solution that takes evenness to a new level. With low weight and the fusion of mechanics and sensor technology in one component, the SUPER-SKI achieves unsurpassed ease of handling.



## **Optimized smoothness**

7x larger measuring range,  
uniform over 13m



## **Quick installation**

Weight < 10kg/sensor  
Installation < 3min



## **Process reliability**

Guide wire-free installation, no  
susceptibility to disturbance  
variables



## **Plug & play**

Electrics & mechanics fully  
integrated



## **Proven ultrasonic technology**



## **Visualization**

with LED indicators

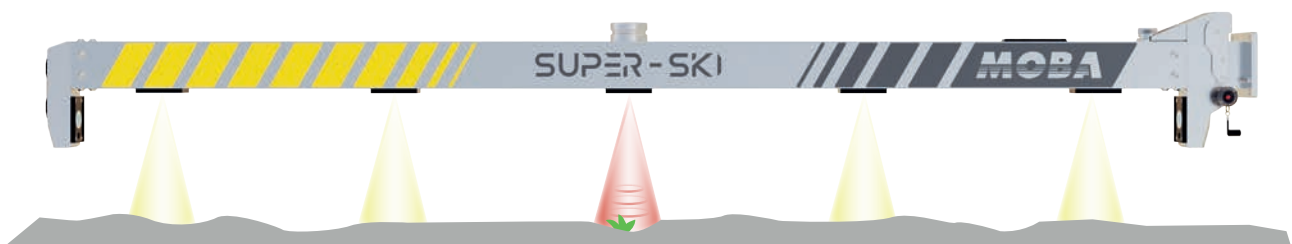
# THE TECHNOLOGY BEHIND THE SUPER-SKI

- Sampling of multiple, widely separated points
- Averaging and derivation of a virtual reference level
- Monitoring of the height and automated leveling
- LED indicators visualize the target/actual values and the sensor status
- Even elongated unevenness is compensated for
- Installation without guide wire is made possible
- Resistant to vibration and steam
- Integrated lighting for night construction sites

Due to the non-contact ground scanning with acoustic ultrasonic sensors, the technology is wear-free. Thus, the system convinces with its durability in harsh environments. Its resistance to heat, vibration, dust, rain and fog is an absolute must on the construction site.

All these values are detected and filtered by the sensors to ensure a perfectly functioning system.

An innovative connection concept allows the SUPER-SKI to work without cable connections. As soon as you connect the sensor mechanically, the electrical part is also connected automatically.



## PERFECTED SMOOTHNESS

The 15 independent sensors of the SUPER-SKI on a total length of 9m show a much more constant measurement result than conventional BIG-SKI or Multiplex systems.



*„The SUPER-SKI has cut our installation time in half and improved quality. An indispensable tool on our job site!“*

*„With the SUPER-SKI, we have control over every aspect of the paving process. The investment has paid for itself within one project.“*

*„Safety, precision and environmental friendliness - the SUPER-SKI offers everything we need. A true game changer in our industry.“*





# LEVELING SYSTEM

# MOBA MATIC II

The best-selling leveling system in road construction. Even more precise in combination with the SUPER-SKI.



## BENEFITS

- Rugged and weather resistant
- 3.5" color display with backlighting
- Modularity allows individual adaptations
- Displays grade and slope on the display
- Shows live unevenness of the road

# THE BEST SUPPORT

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Your satisfaction is close to our hearts. Good service begins with the installation and commissioning of your new MOBA solution: Our experienced colleagues ensure that everything runs smoothly. To make sure it stays that way, users of the system receive initial training. If required, we also offer advanced training events.



## WE ARE HERE FOR YOU

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Our support team assists you with questions regarding the application or operation of our solutions. Should a technical problem occur, we will help you quickly and without complications. Directly on the phone at our service hotline, via remote access to the MOBA system or at your site.

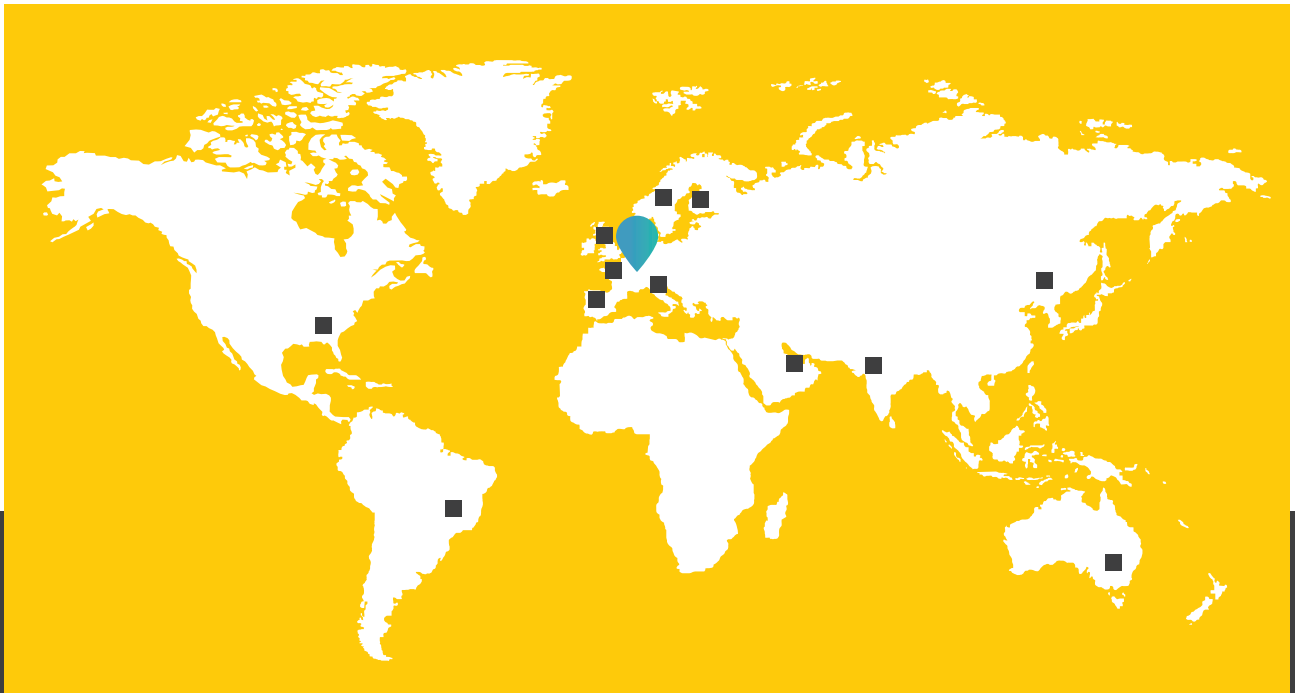
Most problems can be solved this way. Should a replacement actually be necessary, we can supply spare parts such as sensors, cables, etc. directly from our extensive stock. Common parts are also available by overnight delivery.

In the event of a defect, your equipment will be checked by trained technicians in our specialist workshop and, if possible, repaired. This saves costs and is sustainable.

# MOBA GROUP

The MOBA Group has been an established name in mobile automation for more than 50 years. Our know-how and many years of experience in automation technology distinguish us as globally recognized experts. We develop and produce innovative machine control systems, identification and mobile weighing technologies as well as flexible software solutions. But MOBA components and systems are also used in other areas where robust and reliable sensors, controllers and operating units are required.

**First Choice In Mobile Automation** - that's what MOBA has stood for for more than 50 years!



## CONTACT



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