

MOBA LASER-MATIC AND DUAL-LASER-MATIC:

# GRADE AND SLOPE SYSTEM FOR KILVERS, PAN SCRAPERS, TOW GRADERS AND BOX-BLADES



**MOBA**<sup>®</sup>  
MOBILE AUTOMATION

# STATE-OF-THE-ART LEVELING SYSTEM: HIGH USABILITY, RUGGED DESIGN AND PRECISE RESULTS

With its high usability and operational reliability, the MOBA Laser-matic leveling system will live up to your expectations. Various settings guarantee an optimal adjustment to the machine. However, the Laser-matic Digital Controller is still easy to use and can be operated with just four keys.

The practical rugged construction is designed for operational reliability. The electronics are capsulated in a shock-proof and low-vibration manner. The membrane of the control panel protects the electronics completely against dust and moisture. The modular MOBA system with CAN-based technology guarantees future-proof flexibility: sensors can be exchanged or refitted easily at anytime.



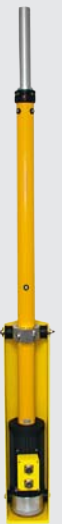
» Stadio delle Alpi — MOBA Dual-Laser-matic used for leveling works in the soccer stadium of AC Turin (Italy)

## **Leveling works in the building and construction industry and during the construction of sport facilities**

- » Industrial plants and workshops
- » Parking lots, storage areas and courtyards
- » Public or private squares
- » Airfields
- » Stadium and sport fields
- » Golf courses and tennis courts
- » Subdivisions and development projects

# MOBA LASER-MATIC: REAL-TIME PRECISION FOR UP TO 10 HYDRAULIC CONFIGURATIONS

The MOBA Laser-matic is a laser-assisted control system for precise manual or automatic pan scraper or scraper height adjustment. The MOBA Laser Receiver LS-3000, located on the variable MOBA Electronic Mast ETM-900, receives height references of a stationary laser transmitter. The accurate hydraulic control or topographic measurement is carried out by the Laser-matic Digital Controller. Up to 10 hydraulic configurations can be saved, which allows the controller to be used in various machines without additional calibration.



Electronic Mast



## Use in agriculture and gardening

- » Leveling works in agriculture
- » Irrigation areas
- » Greenhouses and alignment of plant rows
- » Gardens and parks

» Preparation of a land area in a greenhouse with a pan scraper supported by a MOBA Laser-matic



Laser Receiver LS-3000



Laser-matic

# MOBA DUAL-LASER-MATIC: WHEN HEIGHT AND GRADE MATTER

The MOBA Dual-Laser-matic is equipped with two laser systems. It also features a leveling sensor and/or the MOBA Sonic-Ski®. This makes it a specialist when height and grade matter and when given profiles need to be observed exactly.



Controller DLS-2



Mechanical Mast



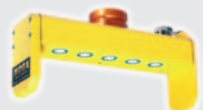
» Minigrader used in the construction of a bikeway — equipped with a MOBA Dual-Laser-matic

## Roadbuilding

- » Dirt roads and tracts
- » Service and access roads
- » Construction of country and forest roads
- » Food paths and bikeways
- » Promenades in parks
- » Subdivisions and development projects



Slope Sensor



Sonic-Ski®



Dual-Laser-matic

# MACHINE CONTROL BY MOBA: VERSATILE APPLICATION, FLEXIBLE SYSTEM

The MOBA Laser-matic is the world's most flexible leveling system. It has a rugged design, offers versatile applications and produces precise results. This makes the MOBA leveling system a strong partner for leveling works in the construction industry and for responsible handling of agricultural resources. The MOBA Laser-matic can be obtained in two models – the Laser-matic to be used for height adjustment and the Dual-Laser-matic for grade und height control.

| APPLICATION                                  | Laser-matic | Dual-Laser-matic | Laser 1 | Laser 2 | Mast 1 | Mast 2 | Slope Sensor | Sonic-Ski® |
|--|-------------|------------------|---------|---------|--------|--------|--------------|------------|
| » Leveling in agricultural industry          | ●           | ○                | ●       | ○       | ●      | ○      |              |            |
| » Irrigation                                 | ○           | ●                | ●       | ●       | ●      | ●      | ○            |            |
| » Other agricultural areas                   | ●           | ○                | ●       | ○       | ●      | ○      |              |            |
| » Greenhouses and alignment of plant rows    | ○           | ●                | ●       | ●       | ●      | ●      | ○            |            |
| » Construction of country and forest roads   | ●           |                  | ●       |         | ●      |        |              |            |
| » Gardens and parks                          | ●           |                  | ●       |         | ●      |        |              |            |
| » Coast protection and beaches               | ○           | ●                | ●       | ●       | ●      | ●      | ○            | ○          |
| » Trencher                                   | ●           |                  | ●       |         | ●      |        |              |            |
| » Industrial plants and workshops            |             | ●                | ●       | ●       | ●      | ●      | ●            | ●          |
| » Parking lots, storage areas and courtyards | ○           | ●                | ●       | ●       | ●      | ●      | ○            |            |
| » Road construction                          | ○           | ●                | ●       | ●       | ●      | ●      | ●            | ●          |
| » Airfields                                  |             | ●                | ●       | ●       | ●      | ●      | ●            | ●          |
| » Stadium and sports fields                  | ○           | ●                | ●       | ●       | ●      | ●      |              |            |
| » Golf courses and tennis courts             | ○           | ●                | ●       | ●       | ●      | ●      |              |            |
| » Subdivisions and development projects      | ○           | ●                | ●       | ●       | ●      | ●      | ●            | ●          |

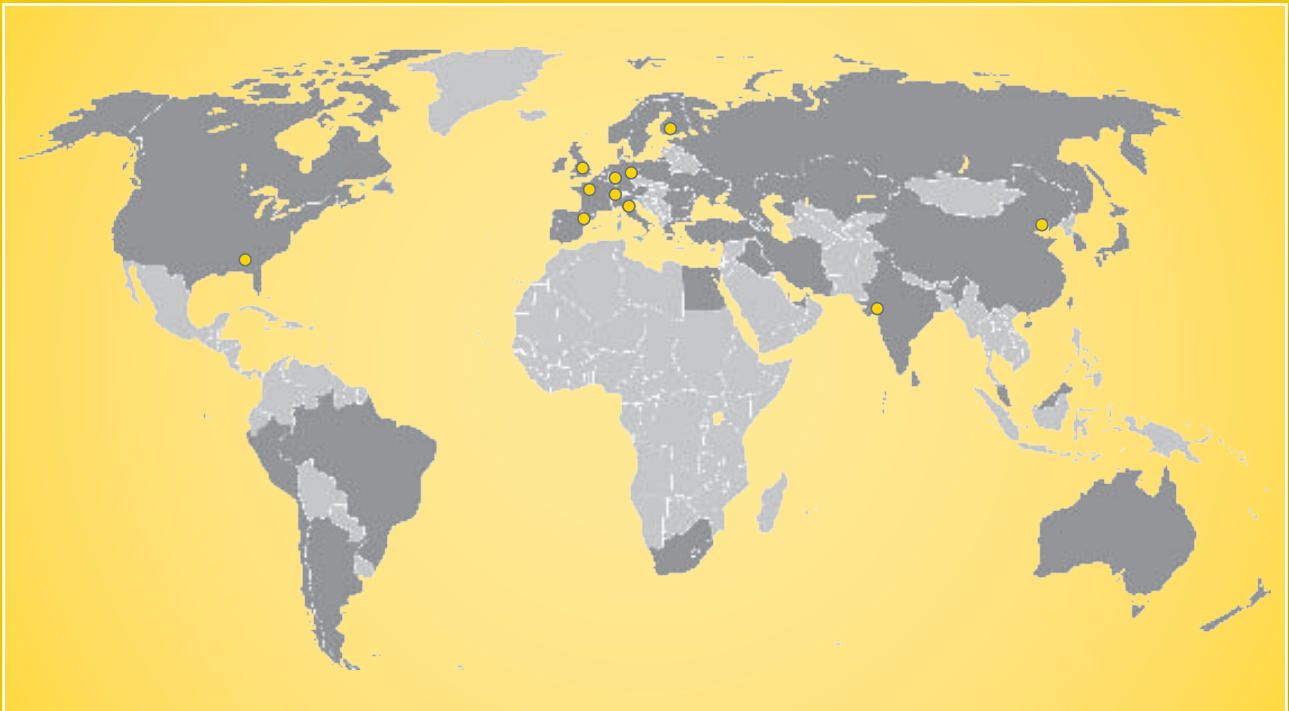
● = well-suited

○ = possible

WHEREVER YOUR MACHINES ARE PUT TO USE,  
WE ARE CLOSE-BY.

### MOBA worldwide

You will never stand alone with our products. In addition to our corporate headquarter in Limburg/Lahn, Germany, and our German branch offices in Dresden and Langenlonsheim, our subsidiaries in Europe, the USA, India and Asia as well as a global dealer network allow MOBA to be represented in all important markets of the business sectors supplied by MOBA.



#### MOBA Mobile Automation AG

Kapellenstraße 15  
65555 Limburg / Germany  
Phone: +49 6431 9577-0  
Fax: +49 6431 9577-179  
E-mail: [sales@moba.de](mailto:sales@moba.de)  
[www.moba.de](http://www.moba.de)  
[www.mobacommunity.com](http://www.mobacommunity.com)

#### MOBA Corporation

Kenwood Business Park  
180 Walter Way, Suite 102  
Fayetteville, GA 30214 / USA  
Phone: +1 678 8179646  
Fax: +1 678 8170996  
E-mail: [mobacorp@moba.de](mailto:mobacorp@moba.de)

#### MOBA-ISE

**Mobile Automation SL**  
Polígono Industrial Plà de la  
Bruguera C/ Berguedà, 6. 08211  
Castellar del Vallés (Barcelona)  
Phone: +34 93 715 87 93  
Fax: +34 93 747 11 03  
E-mail: [moba-ise@moba-ise.com](mailto:moba-ise@moba-ise.com)

#### MOBA France

Parc des Tuileries  
10, Rue de Derrière la Montagne  
77500 Chelles / France  
Phone: +33 (0)1 64 26 61 90  
Fax: +33 (0)1 64 26 19 46  
E-mail: [infos@mobafrance.com](mailto:infos@mobafrance.com)

#### MOBA (Dalian)

**Mobile Automation Co., Ltd.**  
No. 10 Fuquan North Road  
Central Industrial Park, ETDZ  
116600 Dalian / China  
Phone: +86 411 39269311  
Fax: +86 411 39269377  
E-mail: [YSun@moba.de](mailto:YSun@moba.de)

#### MOBA ELECTRONIC S.r.l.

Sede Operativa Italia  
Via Orientale 6  
37069 Villafranca di Verona / Italy  
Phone: +39 045 630-0761  
Fax: +39 045 630-1342  
E-mail: [mobaitalia@moba.it](mailto:mobaitalia@moba.it)

#### MOBA India PVT. LTD

B 210-211, GIDC Electronics Estate  
Sector 25, Gandhinagar  
Gujarat - 382044 / India  
Phone: +91 989 855 6608  
E-mail: [sdesai@moba.de](mailto:sdesai@moba.de)

#### MOBA Mobile Automation Ltd.

10a-10b Pegasus Way  
Haddenham Business Park  
Haddenham, Buckinghamshire  
HP17 8LJ, United Kingdom  
Phone: +44 184 429 3220  
E-mail: [ilewis@moba.de](mailto:ilewis@moba.de)

#### Novatron Oy

Myllyhaantie 6 E  
33960 Pirkkala, Finland  
Phone: +358 (0) 3 357 26 00  
Fax: +358 (0) 3 357 26 77  
E-mail: [sales@novatron.fi](mailto:sales@novatron.fi)

**SYNERGY**  
POSITIONING SYSTEMS

SYNERGY POSITIONING SYSTEMS

3/52 Arrenway Drive, Albany

Auckland, New Zealand

Free Call: 0800-867-266 Phone: +64-9-476-5151

Fax: +64-9-476-5140 Email: [info@synergypositioning.co.nz](mailto:info@synergypositioning.co.nz)

Website: [www.synergypositioning.co.nz](http://www.synergypositioning.co.nz)

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MOBILE AUTOMATION