



RECEIVING SYSTEMS

DESIGNED FOR TOUGH ENVIRONMENTS

Engineered to withstand the harshest conditions,
delivering precision and efficiency in every job.



EARTHMOVING TECHNOLOGY MADE IN AUSTRALIA BUILT FOR HARSH OPERATING CONDITIONS

MOBA receiving systems are designed to help you maximize productive time in the cab. By guiding your machinery with precise control over depth or elevation, you'll enhance machine efficiency, leading to improved profitability for your business. These rugged, highly versatile receiving systems are compatible with a wide range of machines and can be used for visual display or paired with a control panel for fully automated blade control.

Backed by over 40 years of experience in designing and manufacturing laser systems for Australia's tough conditions, MOBA receiving systems are proudly Australian-made. Utilizing the latest in cutting-edge electronic components, our systems deliver unmatched performance.

APPLICATIONS

- Land levelling
- Road construction
- Site preparation
- Airfield construction



BUILT TO LAST

MOBA receiving systems passed down three generations of Corian Park Earthmoving

VISUAL GUIDANCE



LASER RECEIVERS

VISUAL GUIDANCE

LASERGUIDE R.45.TC

- Visual receiver for all machine types
- Integrated magnetic clamp / fully waterproof
- Tilt compensation
- 190 mm receiver length
- Long range of operation up to 600m
- Economically priced



LASERGUIDE R.45.TC.PRO

- Visual receiver for all machine types
- Remote in-cab display / CAN connection / Bluetooth
- Integrated magnetic clamp / fully waterproof
- Tilt compensation & 190 mm receiver length
- Long range of operation up to 600m
- Powered via 4 x C cell batteries or external 12 - 24 V DC



LASERGUIDE R.ULS.B

- True multi channel receiver
- 9 separate visual channels via LED display
- 200 mm receiver length / CAN connection
- Use standalone or with a display panel
- Powered via internal batteries or external 12 - 24 V DC
- Fully waterproof



THE BENEFITS

The Laserguide R.45.TC/PRO continually monitors and adjusts for boom arm tilt so you don't have to!

■ Tilt compensation

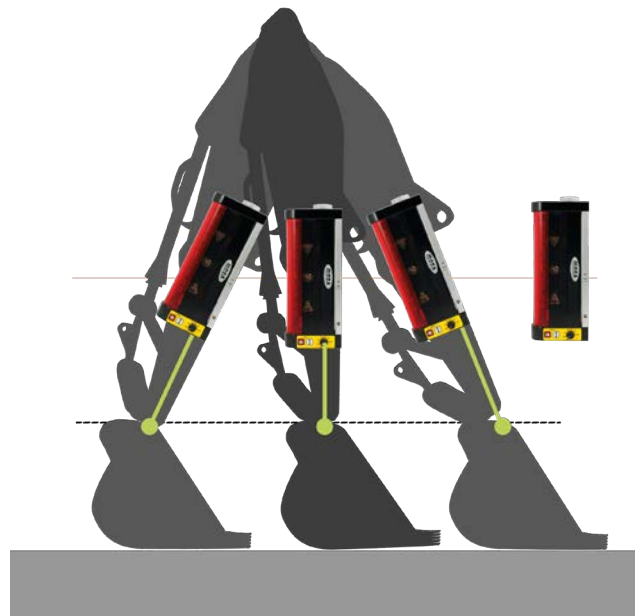
The receiver uses internal position sensor to automatically compensate for height changes due to boom arm tilt, eliminating mistakes on the worksite.

■ Snap on / Snap off

The Laserguide R.45.TC comes standard with industrial strength magnetic bracket. Installation is as simple as snapping on a fridge magnet and the unit is ready for work.

■ For harshest job sites

The Laserguide has an all-metal construction and is completely waterproof making it ready for the harshest job sites.



DISPLAY PANELS

VISUAL GUIDANCE

ANDROID APP FOR R.45.TC.PRO

- In-cab display via Bluetooth
- Brightness control
- Centre band accuracy selection
- Works with R.45.TC.PRO
- Bluetooth connection



DISPLAY PANEL DB.UNI.PRO

- In-cab display via CAN or Bluetooth
- Brightness control
- Centre band accuracy selection
- Works with R.45.TC.PRO and R.ULS.B



MACHINE CONTROL



CONTROL PANELS

MACHINE CONTROL

CONTROL PANEL CB.2001

- Suits bang-bang (on/off) valves
- 3 accuracy settings
- Economically priced
- Toggle switches
- Works with R.3CHS laser receiver



CONTROL PANEL CB.D3.CAN

- Suits proportional or bang bang valves
- 3 accuracy settings
- Can be integrated with elevating mast
- Large, easy to read LCD display / die-cast aluminium casing
- Works with all MOBA laser receivers



DUAL CONTROL PANEL DU03.CAN

- Suits proportional or bang bang valves
- 3 accuracy settings
- Can be integrated with elevating mast
- Large, easy to read LCD display / die-cast aluminium casing
- Works with all MOBA laser receivers



SPECIALISED SENSORS / BRACKETS



SLOPE SENSOR UG.001

- Maintains any slope or level reference
- 60% / 30° range
- Robust waterproof design



RAM MOUNT KIT

- Various adaptor plates to suit control panels

LASER RECEIVERS + SENSORS

MACHINE CONTROL

LASERGUIDE R.ULS

- True multi channel receiver
- 9 separate visual channels via LED Display
- 200 mm receiver length
- Achievable accuracy with control panel ± 2 mm
- Automatic blade control via control panel
- Fully waterproof



LASERGUIDE R.ULS.MM

- Linear millimetre receiver
- Automatic blade control via control panel
- Achievable accuracy with control panel ± 2 mm
- Fully configurable deadband
- 250 mm receiver length / fully waterproof
- Offset with mm precision via control panel



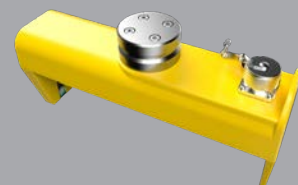
LS-3000

- True linear milimetre receiver
- Achievable accuracy with control panel 1 mm
- 280 mm receiver length / fully waterproof
- Automatic blade control via control panel
- Fully configurable deadband
- Offset with mm precision via control panel



ULTRASONIC SENSOR MOB.007

- Maintains reference from curb or string
- Robust waterproof design
- Large working range



JOYSTICKS

MACHINE CONTROL

JOYSTICK A.RS.082

- Proportional joystick for CB.D3 and DUO3 control panels
- Controls auto/manual, up/down and up to 2 auxiliary functions
- Ability to control laser receiver mm offset



JOYSTICK A.RS.052

- Auto/manual and up/down control
- Can be used with all single control panels



ELEVATION MASTS

MACHINE CONTROL

ME.15



ME.18.C



MANUAL OR ELECTRIC MAST FOR LASER RECEIVER MOUNTING

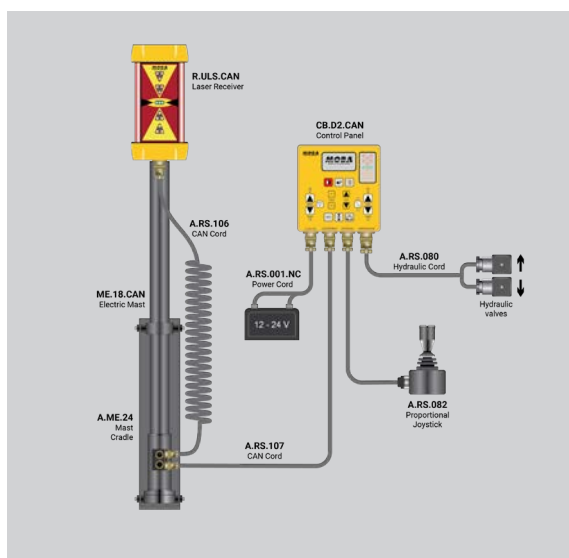
MOBA's manual mast gives you a robust and economical way to mount your laser receiver directly to your machine's blade.

An electric powered mast allows you to accurately offset your working height, for example to cut 100 mm of unwanted soil. MOBA's electric mast can be controlled via Elevation Indicator mast controller or via selected control panels.

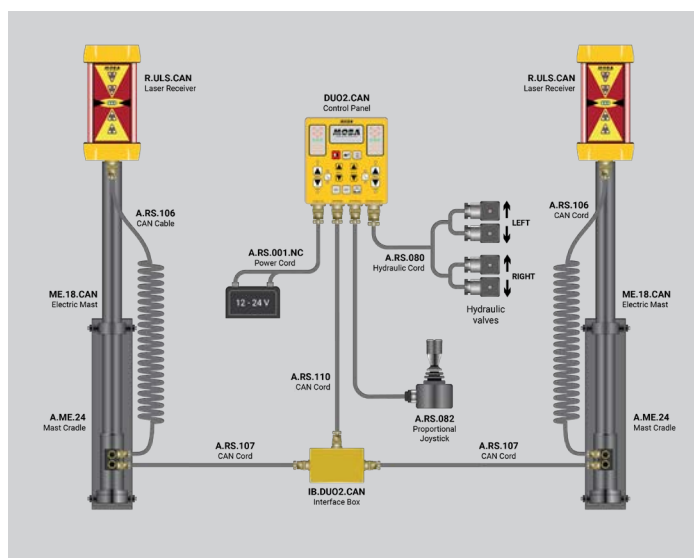


SET UP DIAGRAMS

COMMON SYSTEM CONFIGURATIONS



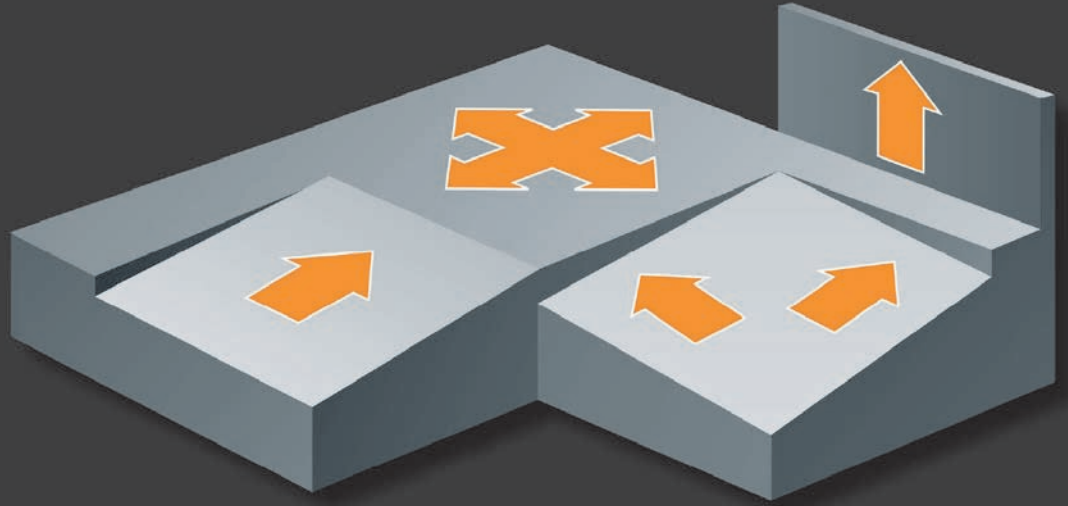
RS.033
Typical single receiving system



RS.037
Typical dual receiving system

EXTREMELY VERSATILE YET EASY TO USE

- Level
- Vertical
- Single grade
- Dual grade
- Cone



„Placing dirt and rock with millimeter precision is what sets OnGrade Civil apart. That’s why I needed a machine control supplier that could deliver the same level of accuracy. After choosing MOBA, I knew I had made the right decision.”

— David Stead, OnGrade Civil



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



MOBA Australia
90 Willandra Drive
Epping 3076, Victoria | Australia
moba.com.au