Thanks to more than 40 years of experience in the development and manufacture of mobile weighing technology, the new generation of mobile weighing systems of MOBA equips industrial, logistics and waste management companies with even more flexibility. With the CANopen bus solution as communications interface individual components cannot only be straightforwardly exchanged but the entire system can be converted and upgraded in a short period of time. This modular design makes the scale compatible with any vehicle and a great variety of applications, whether as a truck body scale, front loader scale, rear loader scale or crane hook scale.

**SYSTEM ADVANTAGES:**
- PTB certified
- CANopen interface
- Calibration according to class III or IV
- Low maintenance
- Easily upgradeable with RFID or telematics solutions

The weight is comfortably displayed in the driver’s cab via the CP-100 or the full-featured on-board computer with a high resolution color display and quad-core processor.

The on-board computer MOBA Operand allows countless more cost-effective upgrades, such as the extension with RFID technology, which facilitates rapid identification of waste containers on-site, thereby paving the way for a usage-based billing of waste fees.

The integration of an innovative telematics solution adds the ability to track the fleet vehicles live, which creates the perfect foundation for a time and cost efficient route planning.

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**SERVICE & SUPPORT**

As an experienced and adept partner, MOBA offers a premium service for disposal companies and municipalities. Thanks to the complete development manufacture and assembly from one single source, individual wishes can be realized within a very short period of time and are always optimally cared for thanks to a close collaboration.

Due to the EC type approval, MOBA not only carries out the initial calibration of the scale but also organizes all further calibrations of the classes III and IV in order to ensure an all-time accurate and maintenance-free scale.

**WHAT MOBA HAS TO OFFER:**
- A professional and practical planning of weighing systems
- Tailored installations on different types of vehicles
- Full service around the calibration of your scale
- Fast service thanks to qualified personnel on-site
ONE SYSTEM COUNTLESS APPLICATIONS

01
Weighing terminal CP-100
» Proven display and control panel for electronic scales
» Configuration and diagnosis for scales
» Additional customized features
» Data storage on USB stick

02
ON-BOARD COMPUTER MOBA OPERAND
» Complete solution with scale software ‘MOBA Weight Display’
» Easy and intuitive operation with touch screen and keys
» Anti-glare and transflective display
» E1 certified

03
SENSOR JUNCTION BOX SC-106
» Junction box for up to 6 independent channels
» Robust and compact design

04
SLOPE SENSOR
» Optimum slope control during weighing
» Robust and compact design

05
EXTERNAL CONTROL BOX
» Easy input of information by the driver, even outside the driver’s cab
» Confirmation of the input through a LED display
» Optical display of a successful identification at the respective lifting side

06
ON-BOARD PRINTER
» Creation of receipts directly on-site
» Enables immediate fee collection
TRUCK BODY SCALE
SOLID MECHANICAL CONSTRUCTION MEETS HIGHLY PRECISE WEIGHING TECHNOLOGY

Integrated into the vehicle, the truck body scale of MOBA controls the time-saving weight determination of the charge without using a stationary floor scale. Loading and unloading are directly recorded for documentation purposes.

For more efficiency and transparency.

The mechanical installation of reliable weighing technology in all types of waste collection vehicles, silo vehicles or sewage trucks takes place in our own production hall and thus guarantees maximum precision and optimum application-specific customization.

MOBA internally implements the complete chain of development for each individual weighing system and provides time-efficient solutions at any time: Design, development, manufacture, assembly and full service around the calibration of the scale.

BENEFITS:
» Time savings through short weighing times
» Legally compliant billing on-site
» Extraordinary robustness thanks to vibration resistant, potted technology
» Anytime upgradeable with a RFID or telematics solution
» Exceptional durability due to the extremely robust construction
LIFTER SCALE
FOR FRONT LOADERS

The robust and compact construction of the weighing system for front loaders makes it flexible for any application and always guarantees highest precision. Thanks to its full integration into the mechanics, the lifter scale measures the exact weight of the waste container before emptying it. The data sent to the on-board computer can be documented with the new user-friendly software for further management in the office and provide the optimum basis for a transparent accounting of disposal fees.

The verification mark with all relevant information on the weighing of a waste container can even be printed on-site with the on-board printer and provides a legally reliable basis for billing thanks to the regular calibration of the scale.

BENEFITS:
» Time savings through short weighing times
» Cost savings thanks to low-maintenance scales
» Individualized system, anytime upgradeable with a RFID and telematics solution
» Time and cost savings due to a full service around the calibration of the scale
» Exceptional durability thanks to the extremely robust construction
LIFTER SCALE
FOR REAR AND SIDE LOADERS

The automatic mode of the dynamic lifter scale for rear and side loaders both facilitates and accelerates the waste collection, since the weighing procedure of the waste container takes place during its emptying.

Additional time savings are also achieved by the ability of a split comb bar to weigh two containers simultaneously during emptying. That means extraordinary precise weighing results as well as more flexibility during waste collection.

A premium service always guarantees accurate results and a maintenance-free scale by completely planning, developing, manufacturing and installing the system, including the regular calibration of the scale.

BENEFITS:
» Zeitersparungen mittels dynamischer Gewichtserfassung
» Rechtssichere Abrechnung vor Ort
» Kostenersparnisse dank wartungsarmen Waage
» Jederzeit upgradefähig zum RFID- oder Telematiksystem
» Lange Lebensdauer durch die äußerst robuste Bauweise
CRANE HOOK SCALE
FOR TRUCKS WITH A CRANE HOOK

The weighing system for vehicles with a crane hook is optimally equipped for harsh environments due to its extremely robust construction.

Whether for emptying glass containers, loading scrap or other recyclable materials, the system is customizable and easily upgradeable for each request thanks to its open CANbus interface.

The wireless communication between load cell and on-board computer via Bluetooth provides the optimum agility. Cable damage thus is history.

BENEFITS:
» Integrated overload protection
» Safe, reliable operation and repair savings thanks to a wireless operation
» Time-efficient upgrades with RFID and telematics solutions through CANbus interface
» Extraordinary robustness thanks to vibration resistant, potted technology
Exceptional durability due to the extremely robust construction
The MOBA GROUP is a leading global player in the world of mobile automation. Close collaborations between the headquarters in Limburg on the Lahn and subsidiaries all over Europe, Asia, North and South America create new perspectives for recent and future developments.

Superior technical know-how 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 since more than 40 years.