HLC
WHEEL LOADER WEIGHING SYSTEMS

MOBA®
MOBILE AUTOMATION

MOBA Mobile Automation has been developing and manufacturing mobile weighing and automation technology since the early 1970s. With more than 40 years' experience in road construction, MOBA has established market leading systems like the **MOBA-matic** and **Big Sonic-Ski**. MOBA Mobile Automation is a global leader of innovation in the mobile weighing and automation market.

DYNAMIC **WEIGHING**
INTUITIVE OPERATION

MOBA WHEEL LOADER WEIGHING SYSTEMS-
LOADING THE CORRECT WEIGHT ACCURATELY

With the MOBA wheel loader weighing systems **HLC-1000** and **HLC-2000**, you can prevent overloading and underloading trucks thereby reducing truck turn arounds. This keeps your customers happy, saves you time, and increases overall productivity. Weighing systems from MOBA determine the exact weight of the material quickly and reliably to improve production efficiency and loading cycle times. The system adds up the weight of the material in each bucket and displays a running total loaded onto the truck for easy load management.

The robust operating panel **GDC-320**, which can be operated while wearing gloves thanks to the MOBA Wheel, is fit for any harsh condition – whether it is wind, water, dust or vibration. With its special focus on ergonomics, it takes off where other systems fail.

The HLC 2000 includes a rugged display and comes standard with the USB and Printer Interface so your data can be logged and printed when needed. The configuration of the **HLC-1000/2000** is intuitive and easy. Customizable customer and material lists created by you can easily be uploaded from a USB stick. With the easily operated MOBA Wheel – you can access these lists in a flash. Use this information for subsequent data management, for the creation of invoices or as proof of your services.

With the **MOBA weighing system,** dynamic weighing has never been easier.

MOBA's kit type system can be easily installed and is compatible with all size wheel loaders. Our proven technology combined with our easy to follow calibration wizard makes the HLC 1000 and HLC 2000 easy to setup, calibrate and determine the optimal weighing position. This combination is the most reliable method of dynamic weighing on the market.

SYSTEM ADVANTAGES AT A GLANCE:

» Easy to operate
» Operation possible wearing gloves
» Calibration wizard makes the system easy to setup and calibrate
» Dynamic weighing – weigh while you lift the bucket
» High quality robust components

SYSTEM PROPERTIES:

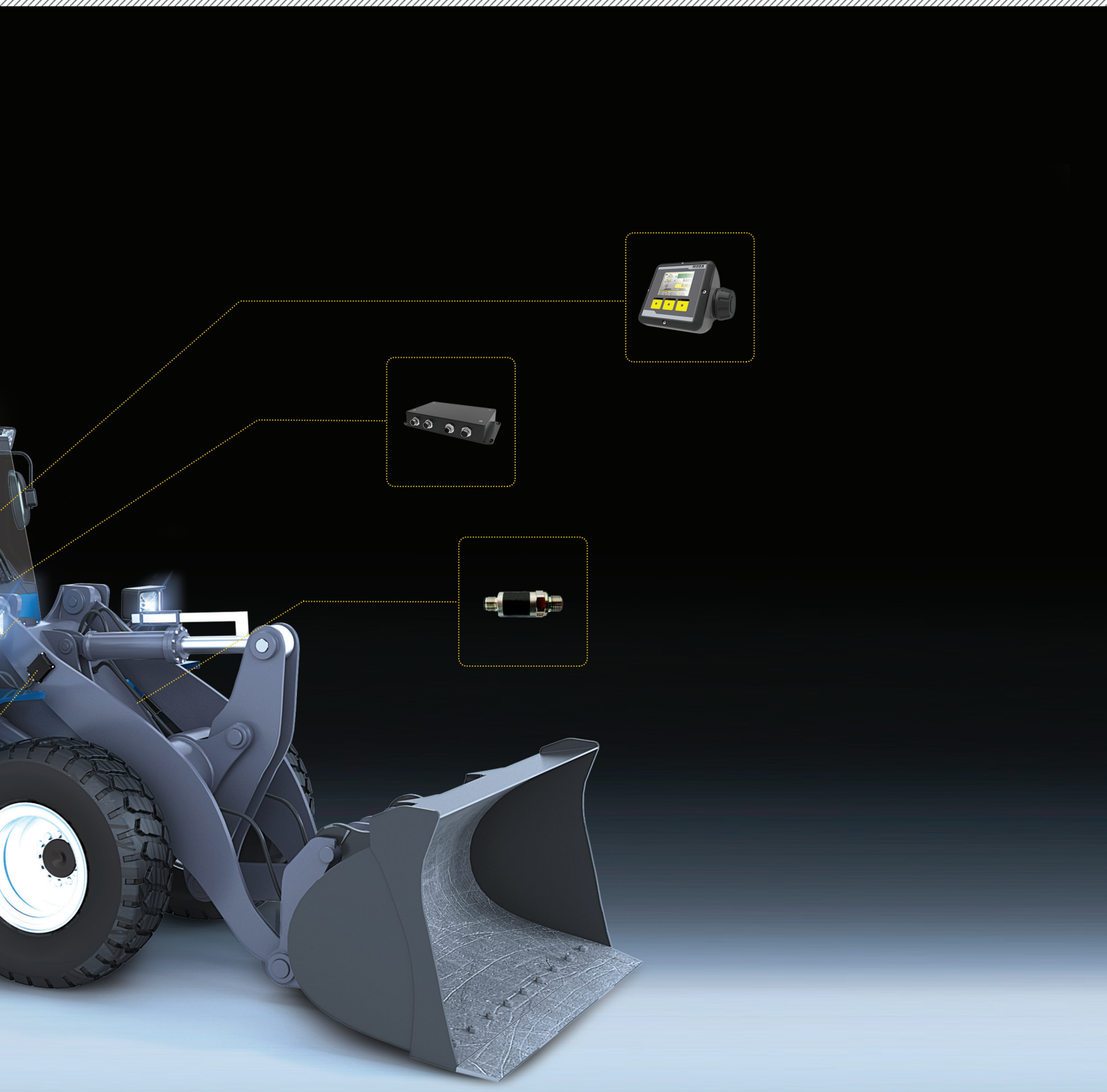
» Inclination sensors sense the vehicle and load arm position
» Dynamic weighing during loading
» MOBA Wheel – rotary knob for easy operation
» Customizable data lists uploaded via USB
» USB interface stores weight data and ticket information (HLC 2000)
» Printer option

DYNAMIC. **ACCURATE.**

INTELLIGENT WEIGHING TECHNOLOGY - FOR EFFICIENT AND ACCURATE WEIGHT RECORDING

The interaction of the ergonomic **GDC-320** display and robust sensors make the MOBA HLC system a reliable aid for your weighing operations. With the aid of the accurate inclination sensors, the optimal point in time for weighing is determined and the weight is recorded effectively and saved digitally, if required. The system is complemented with use of the optional printer.

1. **GDC-320** ergonomic operating display
2. **HYDRAULIC PRESSURE SENSORS** for dynamic weighing
3. **INCLINATION SENSORS** for determination of the optimal weighing time
4. **MAIN CONTROLLER SC-106** with CAN technology
5. **INTERFACE-BOX** comes standard with HLC 2000 for a USB memory stick and printer
6. **MOBILE PRINTER** optional



1

2

3

4

5

6

GDC-320 DISPLAY - AT HOME IN HARSH ENVIRONMENTS

FEATURES	HLC-1000	HLC-2000
DYNAMIC WEIGHING	☑	☑
COLOUR DISPLAY	☑	☑
MOBA WHEEL **ROTARY KNOB**	☑	☑
TARGET WEIGHT INPUT	☑	☑
DIFFERENT ATTACHMENTS	☑	☑
MATERIAL DATA	☒	Up to 50 entries
CUSTOMER DATA	☒	Up to 50 entries
PRINTOUT WEIGHING DATA	☒	☑
SAVING WEIGHING DATA	☒	On USB-Stick

ROBUST HARDWARE -
ERGONOMICS IN PERFECTION

PRESSURE SENSOR

» 250 or 400 bar maximum pressure
» 300% overload protection
» High accuracy
» Excellent long-term stability
» Compact design

01

INCLINATION SENSORS MSSR-330 / MSSR-322

» 1 X 1 axis inclination sensor ± 180°
» 1 X 2 axis inclination sensor each ± 60°
» Compact, robust design
» CANopen interface
» Completely encapsulated, IP 67

02

MAIN CONTROLLER SC-106

» Stainless steel housing IP67
» 2 input channels for pressure sensors
» 2 CANopen interfaces

03

INTERFACE-BOX

» For USB and printer
» 2 CANopen interfaces
» Robust design

04

MOBILE THERMAL PRINTER (OPTIONAL)

» Easy paper change
» Single cable connection (RS-232 and DC in one cable)
» Paper width 58mm, 48mm print widthy

05

ONE GROUP - ONE RESPONSIBILITY

MOBA **GROUP**

The **MOBA GROUP** is a leading global player in the world of mobile automation. Close collaborations between the headqarters in Limburg, Germany 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 premium support – **worldwide**. **INSPIRING MOBILE AUTOMATION** - this is what the **MOBA GROUP** stands for.

MOBA GERMANY
65555 Limburg / Germany
Phone: +49 6431 9577-0
E-mail: sales@moba.de

MOBA ITALY
37069 Villafranca di Verona / Italy
Phone: +39 045 630-0761
E-mail: salesitaly@moba.de

MOBA FRANCE
77164 Ferrières en Brie / France
Phone: +33 (0) 1 64 26 61 90
E-mail: infos@mobafrance.com

MOBA UK
HP178LJ Haddanham / UK
Phone: +44 184 429 3220
E-mail: ilewis@moba.de

MOBA SPAIN
08211 Barcelona / Spain
Phone: +34 93 715 87 93
E-mail: moba-ise@moba.de

MOBA USA
Peachtree City GA 30269 / USA
Phone: +1 678 8179646
E-mail: mobacorp@moba.de

MOBA BRASIL
Belo Horizonte - MG / Brasil
Phone: +55 31 7513-4959
E-mail: mobadobrasil@moba.de

NOVATRON FINLAND
33960 Pirkkala / Finland
Phone: +358 (0) 3 357 26 00
E-mail: sales@novatron.fi

MOBA SWEDEN
861 36 Timrå / Sweden
Phone: +46 (0) 73-3750097
E-mail: pwallgren@moba.de

MOBA TECMASERM
08700 Barcelona / Spain
Phone: +34 93 804 24 85
Email: moba-tecmaserm@moba.de

MOBA CHINA
116600 Dalian / China
Phone: +86 411 39269311
E-mail: ysun@moba.de

MOBA Chile
Avda. Providencia 1476
Phone: +56 (9) 61678464
E-mail: mjmarco@moba.de

MOBA INDIA
Gujarat - 382044 / India
Phone: +91 989 855 6608
E-mail: sdesai@moba.de

MOBA DENMARK
5250 Odense / Denmark
Phone: +45 70 26 96 91
E-mail: jlindskov@moba.de

® MOBA® and the MOBA logo are registered trademarks of MOBA Mobile Automation AG, Limburg/Lahn, in Germany, the United States of America and/or other countries. Subject to technical and design changes. Figures do not necessarily show the standard version of the system. All information is provided without warranty. Legally binding claims cannot be derived from the text or pictures in this brochure.

www.moba-automation.com
www.mobacommunity.com

MOBA MOBILE AUTOMATION

© COPYRIGHT - 02/2018 - MOBA MOBILE AUTOMATION AG