MOBA HLC / WHEEL LOADER WEIGHING SYSTEMS
MOBA-AUTOMATION.COM
MOBA AG has been developing and manufacturing mobile weighing technology since the 1970s. With more than 40 years’ experience in road construction and the establishment of market leading systems like MOBA-matic and Big Sonic-Ski, MOBA Mobile Automation AG is a driver of innovation in the worldwide mobile automation market.
With the MOBA wheel loader weighing systems **HLC-1000** and **HLC-2000**, every weighing task is accomplished in the shortest possible period of time. Determine the exact weight of a load quickly and reliably during the loading process. Thanks to the dynamic weighing process you know immediately how much has been loaded – without any additional effort. The omission of a stationary weighing system saves time and optimises your work processes.

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.

With the robust display, you can always keep an eye on the current loading weight. If required, the data can simultaneously be stored as a CSV on a USB medium. The configuration of the **HLC-1000/2000** is just as intuitive and easy. Customer and material lists created by you can be easily loaded individually from a USB stick. With the easily operated rotary knob – 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** you can easily prevent overloading of trucks.

The system adds up the weight of material of all scoops and protects you and the truck driver on site – optionally with a paper printout.

The hang-on system can be used independently of manufacturer, and is therefore compatible with all wheel loaders. The sophisticated technology with inclination sensors for the optimal weighing position is the most reliable method of dynamic weighing on the market.

**SYSTEM ADVANTAGES AT A GLANCE:**

- Intuitive operation
- Operation possible wearing gloves
- Insusceptible to errors due to exact determination of the weighing window
- Quick results thanks to dynamic weight determination
- Virtually indestructible inclination sensors

**SYSTEM PROPERTIES:**

- Inclination sensors sense the vehicle and load arm position
- Dynamic weighing during loading
- MOBA Wheel – rotary knob for easy operation
- Flexible data lists
- USB interface
- Printer option

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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 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 interface for USB and printer
6. MOBILE PRINTER optional
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HLC-1000 AND 2000 WHEEL LOADER WEIGHING SYSTEM
**GDC-320 Display - At Home in Harsh Environments**

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>HLC-1000</th>
<th>HLC-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Weighing</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Colour Display</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MOBA Wheel <strong>Rotary Knob</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Target Weight Input</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Different Attachments</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Material Data</td>
<td>✗</td>
<td>Up to 50 entries</td>
</tr>
<tr>
<td>Customer Data</td>
<td>✗</td>
<td>Up to 50 entries</td>
</tr>
<tr>
<td>Printout Weighing Data</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Saving Weighing Data</td>
<td>✗</td>
<td>On USB-Stick</td>
</tr>
</tbody>
</table>
ROBUST HARDWARE - ERGONOMICS IN PERFECTION

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

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

MAIN CONTROLLER SC-106
- Stainless steel housing IP67
- 2 input channels for pressure sensors
- 2 CANopen interfaces

INTERFACE-BOX
- For USB and printer
- 2 CANopen interfaces
- Robust design

MOBILE THERMAL PRINTER (OPTIONAL)
- Easy paper change
- Single cable connection (RS-232 and DC in one cable)
- Paper width 58mm, 48mm print width
MOBA GROUP

The MOBA GROUP is a leading global player in the world of mobile automation. Close collaborations between the headquarters in Limburg an der 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.

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