LTB 100: Levelable test bay

- Complying with German directive and OE specifications
- Safe base for accurate measurements
- 0 to 40 mm height compensation
Headlight test bay complying with German directive and OE specifications

Since January 2015, the new general-inspection headlight-testing directive applies to workshops in Germany:

- A permanently fixed and marked headlight test bay is prescribed by law
- The test system described by the directive is defined by the test bay and by the headlight tester
- All test bays have to be leveled
- Every two years, the systems are checked by an expert
- Systems in operation have the right of continuance until December 2016

Clearly defined tolerances and dimensions:

- The areas must not exceed the maximum allowed inclination of 1.5 % and must be aligned.
- The headlight-tester set-up area must not exceed the max. unevenness of ± 1 mm on a 1-meter distance.
- The allowed unevenness of the tracks depends on the length of the test bay (see graphic).

LTB 100: Safe base for accurate measurements

Workshop floors often feature a significant slope and unevenness. The LTB 100 levelable test bay meets all requirements the German general-inspection headlight-testing directive on rider 4, § 29 StVZO places on the test bay.
Beissbarth LTB 100: Levelable test bay

LTB 100 at a glance:
- Suitable for subsequent installation onto the workshop floor (min. installation height: 54 mm)
- Suitable for installation onto workshop pits (in combination with the optional pit drive-in protection)
- Modular construction (4m, optionally extendable to 6m)
- Extendable for drive-through solution (optional)
- Compensation and fine adjustment by means of 4 wheel set-up elements (4-meter version)
- Maximum allowed axle load: 2.5 t
- Test-system length above ground: 4,269 mm (4 m version incl. drive-on ramps)
- Adjustable height compensation: 0 to 40 mm

Scope of delivery

<table>
<thead>
<tr>
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<th>Order number</th>
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<tbody>
<tr>
<td>LTB 100 (4 m)*</td>
<td>1 692 100 030</td>
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<tr>
<td>Extension 2 m</td>
<td>1 692 100 031</td>
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Special accessories

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<tr>
<td>Set of drive-on ramps</td>
<td>1 692 100 032</td>
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<tr>
<td>Pit drive-in protection (4 m)</td>
<td>1 692 100 033</td>
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<td>Pit drive-in protection extension (2 m)</td>
<td>1 692 100 037</td>
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Service/assembly accessories

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<td>Service kit (assembly pattern; supporting pliers)**</td>
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* Screw anchors for the assembly are not included.
** Accessories can be reused for additional LTB units.

General prerequisites concerning the properties of the foundation and the ground:

Max. difference in height on 4 m/6 m: 0 – 40 mm
The ground must comply with Eurocode 2, DIN EN 1992
- Concrete quality: at least C20/25
- Please note the manufacturer specifications
HTD 815 headlight tester
Digital headlight testing and adjustment

• TÜV-certified (prototype technical release)
• Cross and alignment laser for precise positioning
• CMOS camera for real-time image processing
• Integrated printer

• All types of lamps (xenon, bi-xenon, LED, bi-LED, halogen)
• Measured values: Horizontal and vertical deviation (pitch angle), intensity, roll angle, yaw angle
• Digital precision: +/-1cm on a 10-meter measuring distance
• Test results displayed in real time
• Digital LCD color screen (5,7”) with 262,000 colors
• Touch-screen function (operation with gloves is possible)
• Operating panel can be rotated by 180° for different areas of application (e.g. at TÜV inspections or for the adjustment at the workshop)
• High-quality optics with big, scratch-proof glass lens (Ø 230 mm)
• Levelable 3-wheel trolley
• Lightweight design thanks to the finite element method (FEM)

Optional accessories:
• Levelable rail system for above and in-ground installation (3m)
• Height-measuring sensor shows the headlight installation height on the display
• Visualization on the workshop computer via Bluetooth® and a new user interface (GUI)

*The Beissbarth MLD 815 is certified in accordance with the German Road Traffic Type-Approval Law by German TÜV for the test of headlight testers (§ 50 StVZO paragraph 5; Certificate nr. TPN 100 10 1 161). It complies with § 29 StVZO of German general inspection (HU) headlight-test directive.