

## KB MAMMUT- Series



**Special hardness testers for large specimens**

**KB Prüftechnik GmbH**  
Geschäftsführer:  
Dipl. Ing. (FH) Claus Keßler  
Dipl. Ing. Peter Beisel  
Sitz der Gesellschaft Hochdorf-Assenheim  
Amtsgericht Ludwigshafen HRB 61252

**Betriebsstätte – Büro:**  
Im Weichlingsgarten 10 b  
**67126 Hochdorf – Assenheim**  
Tel.: +49 (0) 6231-93992-0  
Fax: +49 (0) 6231-93992-69  
E-mail: [kbprueftechnik@kbprueftechnik.de](mailto:kbprueftechnik@kbprueftechnik.de)  
<http://www.kbprueftechnik.de>

# KB Prüftechnik GmbH

The **KB MAMMUT- series** with its special frame and external test heads (method Brinell/Vickers) make it possible to measure hardness on large specimens in accordance to the international standards up to 3000 kilograms.

## Technical data (Testing head KB 3000 BVZ-K ):

- **Test procedures (standardized):**
  - **Vickers - DIN EN ISO 6507**  
20 - 30 - 40 - 50 - 60 - 80 – 100 – 120
  - **Brinell - DIN EN ISO 6506**  
2,5/31,25 - 2,5/62,5 - 2,5/187,5 - 5/25 - 5/62,5 - 5/125 - 5/250 –  
5/750 - 10/100 -10/125 -10/250 - 10/500 - 10/1000 - 10/1500 –  
10/3000
  
- **Test procedure out of international standards**
  - **Vickers - depth measurement**  
HVT 30 – 100
  - **Brinell - depth measurement**  
HBT 2,5/31,25 - 2,5/62,5 - 2,5/187,5 - 5/25 - 5/62,5 - 5/125 -  
5/250 - 5/750 - 10/100 - 10/125 - 10/250 - 10/500 - 10/1000 -  
10/1500 - 10/3000
  
- Load range 20 – 3000kg.
- Test head hydraulically clampable
- Contact pressure of clamping cap: 150 kg
- Optical measurement with integrated video system
- Large LCD– colour display 10,4", 800 x 600 pixel resolution
- variable software adjustment

# KB Prüftechnik GmbH

- motorized load system with load cell, closed loop system
- 200 freely definable test programs
- Test-values memory for 2000 single values/ test program
- Languages: German, English, French, Italian, Swedish
- Motorized ZOOM with 10x steps, magnification factor 1:7
- CCD- camera with high resolution, 2/3 “ black and with chip
- Economical LED lighting for long life cycle of the lighting unit
- Automatic measurement (Optional)

## Dimension:

### Frame:

- Hx Wx D: 3300x 1250x 3080 mm
- Weight incl. Test head and cube 7300 kg
- Dimension test bench ( cube):: 500x 800 mm
- Max. pivoting radius 2500 mm
- Max. throat depth: 1400 mm
- Max. testing-height: 1500 mm
- Min. testing-height: 925 mm  
(without test bench)
- Min. testing-height: 420 mm  
(with test bench)
- Max. speed of movement vertical: v= approx. 500 mm/ min

### KB Prüftechnik GmbH

Geschäftsführer:  
Dipl. Ing. (FH) Claus Keßler  
Dipl. Ing. Peter Beisel  
Sitz der Gesellschaft Hochdorf-Assenheim  
Amtsgericht Ludwigshafen HRB 61252

### Betriebsstätte – Büro:

Im Weichlingsgarten 10 b  
**67126 Hochdorf – Assenheim**  
Tel.: +49 (0) 6231-93992-0  
Fax: +49 (0) 6231-93992-69  
E-mail: kbprueftechnik@kbprueftechnik.de  
<http://www.kbprueftechnik.de>