



Press Release

Date of issue: 28th November 2012

Reference: MAHR-PREC826-PPPR9

High-precision measurement of the smallest spheres, plates, cones or cylindrical parts

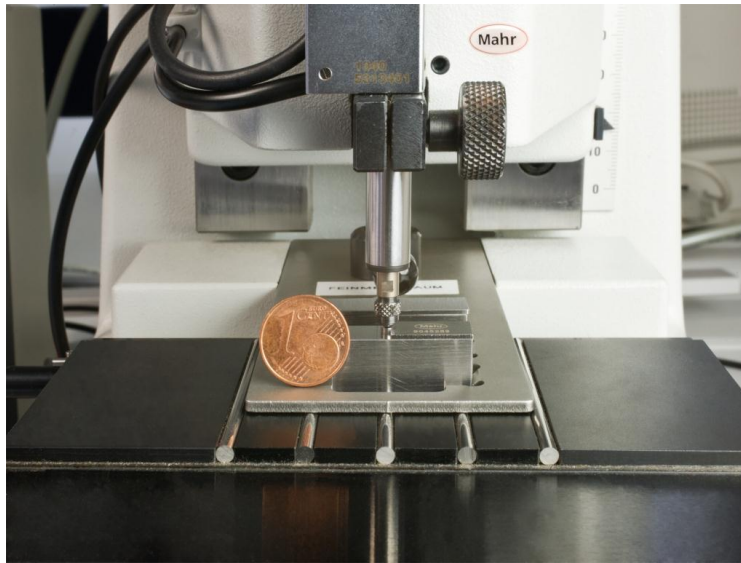
Workpieces are increasingly shrinking in size – in combustion engines in the automotive industry, for instance, as well as in medical or other precision engineering applications. However, when the production quality of the smallest spheres, plates, cones or cylindrical parts needs to be checked, conventional measuring systems are usually overwhelmed. Now metrology equipment specialist Mahr has developed a measuring solution that allows these very small workpieces – a 0.1 mm diameter sphere or a component with a 1 mm-long internal taper, for example – to be precisely and cost-effectively measured.

Prior to the launch of this innovative measuring concept at the Control show in Stuttgart earlier this year, small parts were being measured relatively imprecisely and with a great deal of effort, not least because they could not be held securely on conventional measuring stations. Mahr's PC-based Precimar 826 gauge block measuring unit, developed initially for the fast and easy testing of gauge blocks to ISO 6350, breaks new ground in that no attempt is

made to clamp tiny parts. Instead they are simply placed in a stationary position on the table of the measuring unit. Measurement using an inductive probe is not influenced by any mechanical force, ensuring the required measuring accuracy in the sub- μm range – more precisely, from up to 35 nanometres – is achieved quickly and consistently.

Caption:

(MAHR-PREC826-PIC1)



Mahr's Precimar 826 guarantees fast, highly accurate and reproducible measurement of small components.

measuring length, form and surface deviations.

Issued on behalf of:

Mahr UK Plc
19 Drakes Mews
Crownhill
Milton Keynes
Bucks MK8 0ER

Contact:

John Hogan
Sales Manager
Tel: 01908 563700
john.hogan@mahr.com
www.mahr.com