Surface Measuring System

Mahr Federal will be featuring the MarSurf XR 1, an economical, mobile, PC-based surface measuring system, at MD&M WEST, February 12-14, 2013, at the Anaheim Convention Center, Anaheim, CA, Booth #2885.

With the MarSurf XR 1 surface measuring system, Mahr has bridged the gap between portable surface measuring devices and larger, full-featured, PC-based surface measurement and evaluation systems. The MarSurf XR 1 combines the skidded and skidless drive units of Mahr's portable M-Series instruments, with its industry leading MarWin evaluation software. The new XR 1 provides an affordable entry into the world of modern, PC-based measurement and evaluation systems, including compliance with all International Standards, diverse evaluation methods, extensive documentation, large storage capacity, data export and import, as well as networking and other benefits.

The MarSurf XR 1 is suitable for use either in the measurement lab or on the shop floor, and provides over 80 parameters for R, P, W profiles according to current DIN, ISO, JIS, ASME and MOTIF Standards. The system can utilize both the MarSurf RD 18 drive unit with skidded probe and the MarSurf SD 26 drive unit with skidless probe, and virtually any number of drive units can be connected to the evaluation unit via Bluetooth or cable. Measuring units can be used alone in different orientations, in combination with various accessories, or mounted on measuring stands. Measurements can be initiated either by touch screen on a PC or manually on the drive units.

Mahr Federal will also feature their line of Dimensionair air gaging products for orthopedic and other non-contact applications. Air gaging is a proven, highly precise and accurate way of measuring bores and tapers often found in orthopedic implants. It is quick and easy to use, requiring little skill on the part of the operator, and is highly adaptable to measuring special features for both dimensional and

geometric tolerances.

Also on display at Mahr Federal's booth #2885 will be:

- The new generation of Mahr Federal's popular line of MarCal digital calipers. Included in the enhanced line are a number of innovations: lapped guideways; a new Reference System that retains the zero position setting; and an increased number of product options and accessories.
- Mahr Federal's new MarConnect Integrated Wireless data transmission system which has been added to its family of MarCator Digital Indicators. New low power, low cost data transmission technology has allowed the transmitter to be built into the digital indicator. MarCom software allows transmission of measurement data directly into MS Excel or via a keyboard code into any Windows program without cumbersome cables.

A full range of other Mahr Federal handheld gages and other dimensional metrology products will also be on display.

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