

A world first!

Toolmaster TM10 + TM250 Smart Tool Presetters

High degree of measuring certainty
thanks to operator-independent
electronic tool tip scanning



Simple, rapid, accurate

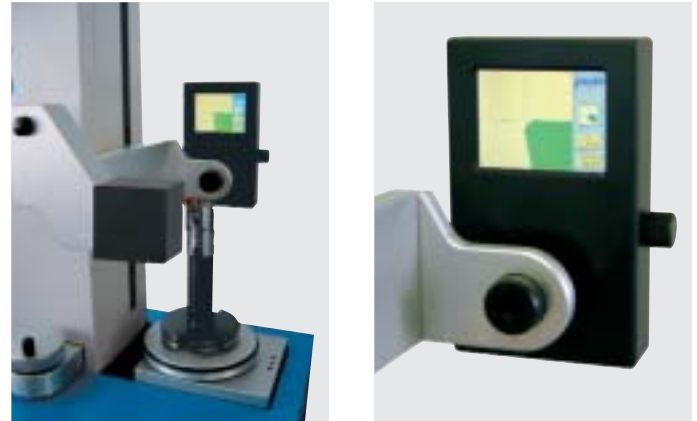
PWB
SWISS

Toolmaster TM10 + TM250 Smart

PWB systems AG is the first manufacturer of tool pre-setting equipment to offer a fully electronic profile projector with digital CMOS-camera employing a telecentric objective and a transfective 3.5" TFT-colour screen. The tool tip is displayed on the colour screen instead of on a projector. The electronic maximum search facility allows the tool tip to be rotated around the maximum diameter (highest point). The measuring process is supported by position flags which appear on reaching an optimum match between tool contour and an axis of the reticule. This enables operator-independent measuring with a repetitive accuracy of +/-2 microns. The human eye consequently has no influence on the measuring results, thus guaranteeing a high degree of measuring certainty.

Any desired radius or angle can be displayed on the screen by means of a knob. The electronic circle and line sensor ensures considerably higher repetitive accuracies.

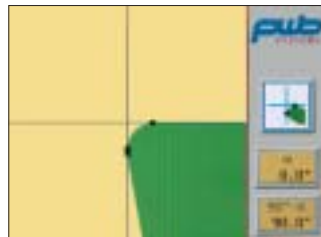
Well proven ACURITE glass scales and the PWB-TC100 measuring electronics form the measuring unit. The measuring process is very simple and does not differ from that of a profile projector.



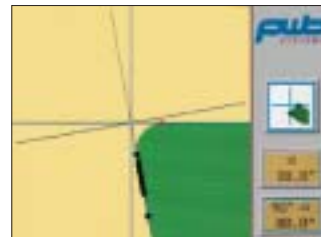
The established presetting devices Toolmaster TM10 and TM250 can be equipped with Smart-Pro instead of a mechanical probe or profile projector.



Maximum search facility. Largest diameter is indicated with a green line



Measuring process with position flag



Angle measurement



Radius measurement

Technical Datas

Designation	Tool Adapter	Measuring range	
		X-Axis (Ø)	Z-Axis (Length)
Toolmaster 10-Smart	ISO40 or ISO50	250 mm	42-360 mm
Toolmaster 10-Smart	ISO40 or ISO50	250 and 440 mm	82-500 mm
Toolmaster 250-Smart	ISO40 or ISO50	300 and 400 mm	40-360 mm
Toolmaster 250-Smart	ISO40 or ISO50	300 and 400 mm	40-500 mm

Please see the Toolmaster TM10 und TM250 original brochures for further details.

We reserve the right to make technical improvements.

Contact



www.pwb-swiss.com