

New pocket guide for machine tool probes includes tool recognition system and high accuracy touch probes

Renishaw offers a wide range of inspection, tool setting and tool breakage systems for CNC machining centres, lathes, grinders and manual milling machines. The company's new pocket-sized guide is a useful reference source for both experienced users and those new to probe technologies for machine tools.

Featuring the range of applications for probes, solutions for different machine types and the proven business benefits, the new guide also gives details of Renishaw's latest hardware and software to maximise those benefits.

For machine tool process control applications, the Renishaw TRS2 tool recognition system takes typically less than one second to detect broken tools, whilst for users looking to reduce inspection times by measuring complex 3D part geometries on all sizes of machining centres, the company's new RMP600 compact, high accuracy touch probe with radio signal transmission, is a powerful solution.

Also covered in the guide is Renishaw's twin-probe system which uses a single optical receiver for tool setting probes together with a spindle-mounted touch probe for component inspection, offering fast integration. This will comprise the OMP40-2 touch probe and Renishaw OTS cable-less tool setter, which is particularly suitable for machines with twin pallets or rotary tables.

The guide explains why many businesses are still missing out on the benefits of probes, by continuing to spend significant time manually setting workpiece positions, manually setting tools and manually inspecting finished product; time that is better invested in machining. It details how Renishaw's probing systems eliminate costly machine down-time and the scrapping of components associated with manual operations, ensuring that machines only produce good parts.



It also explains how probing eliminates the need for tool presetters, expensive fixtures and manual setting with dial indicators, with machine offsets adjusted automatically to compensate for tool length and diameter, work piece position and dimensional errors.

Hard copies of the guide are available from local Renishaw offices or can be downloaded at www.renishaw.com/mtp