**Renishaw’s new multi-probe optical interface system**

Renishaw, a world-leading engineering technologies company, is introducing its multi-probe optical interface system for machine tool probe systems at EMO Hannover 2017, Germany (18th–23rd September, hall 6, stand B46).

Expanding on the highly successful OSI/OMM-2 optical probe interface system, the introduction of the new spindle-mounted OMM-2C receiver provides a compact and convenient solution allowing installation of up to three Renishaw machine tool touch probes with optical signal transmission communicating via a single interface.

System design ensures robust operation whatever the operating environment. Utilisation of Renishaw’s ‘modulated’ optical transmission technology offers unparalleled resistance to light interference, whilst an optional, integrated air blast ensures the receiver window remains clean and debris-free for uninterrupted system communications.

During operation, side and front-facing LEDs provide users with a constant, clear and simple indication of system status, visible from all around the machine tool.

The new OMM-2C receiver retains the same connector and footprint as the current OMI-2C, providing an easy upgrade path for existing users wishing to take advantage of a multi-probe system.

Offering a highly flexible solution, the system is compatible with any combination of Renishaw workpiece and tool setting probes with optical signal transmission that operate in ‘modulated’ mode. System flexibility is further enhanced with the ability to operate in tandem mode – either with another OMM-2C or with an OMM‑2 – to overcome line-of-sight issues.

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