

## Renishaw Machine Tool Division

### Sales Bulletin

To:	Distributors, Machine Tool Engineers, Repairs, Regional and Inside Sales	Bulletin #:	293
Title:	RMP40 New Product Bulletin	Date:	November 10, 2010

The RMP40 is now available. RMP40 is the latest generation radio transmission spindle probe available from Renishaw. Measuring just 40mm (diameter) x 50mm (height), RMP40 combines the Frequency Hopping Spread Spectrum (FHSS) transmission of the RMP60/RMP600 probes with the ultra-compactness OMP40. This combination makes the RMP40 ideally suited for use on all sizes of machine tools, especially small to medium multi-axis and mill-turn machines. RMP40 is also available in a modular configuration (RMP40M). Though primarily designed for turning center applications, RMP40M can be for any application where modularity is required. Details about the RMP40M can be found in the OLP40, OMP40M, RLP40 and RMP40M New Product Bulletin 291.



#### RMP40 Features:

- **Frequency Hopping** – Identical to the RMP60 and RMP600, RMP40 uses of FHSS (frequency hopping spread spectrum). FHSS causes the probe and receiver to “hop” through a sequence of frequencies rather than using a single dedicated channel. This allows multiple systems to coexist with no risk of cross talk.
- **Globally recognized Tx frequency** – RMP40 operates in the 2.4GHz frequency. This globally recognized frequency means a single design is required for worldwide support.
- **Trigger Logic** – Introduced with the OMP40, all RMP40 features are set digitally without the need for DIP switches.
- **Transmission Distance** – RMP40 is designed to operate over a 15M range.
- **Construction** – RMP40 is a stainless steel uni-body (combined probe and transmitter).
- **Turn On Methods** – RMP40 can be turned on via a radio pulse from the RMI or using the on-board centrifugal switch. RMP40 does not support switch style shanks.

**RMP40 Part Number and Pricing Matrix – Prices effective from November, 2010**

<b>RMP40 Hardware Pricing</b>		
<b>Item ID</b>	<b>Description</b>	<b>List Price</b>
A-5480-0001	RMP40 PROBE KIT	\$5,120
A-4113-0050	RMI RADIO MACHINE INTERFACE	\$2,559
A-4113-0306	RMI CONDUIT KIT 1M w/ FITTING Includes Sealrite, Fitting, Nut and Seal	\$27
P-CF01-0004	5/16" SEALTITE 1M UNIT	\$23
A-4113-0307	5/16" SEALTITE FITTING w/ NUT & SEAL	\$11

<b>RMP40 Kit Pricing</b>		
<b>Item ID</b>	<b>Description</b>	<b>List Price</b>
RMP40-NS-KIT	RMP40 HARDWARE ONLY KIT W/O SHANK	\$8,085
RMP40-NS-S	RMP40 RETROFIT KIT W/O SHANK	Call

<b>RMP40 Upgrade Pricing</b>		
<b>Item ID</b>	<b>Description</b>	<b>List Price</b>
RI-5480-0001	RMP40 UPGRADE KIT Includes: A-5480-0001 RMP40 PROBE KIT A-4113-0050 RMI RADIO MACHINE INTERFACE A-2033-0830 RMI MOUNTING BRACKET P-CF01-0004 5/16" SEALTITE 3x Meters A-4113-0307 5/16" SEALTITE FITTING w/ NUT & SEAL	\$5,200
RI-5480-0001-S	RMP40 UPGRADE KIT W/ INSTALLATION Includes: All hardware listed above plus installation service	\$8,650
RI-5480-0001-SPCL	RMP40 UPGRADE KIT - PROBE ONLY	\$3,384

The RMP40 upgrade is offered to all existing Renishaw radio product users. To qualify for this special price, a user must return all components of a functioning MP14, MP16 or MP18 system. This includes, transmission system, probe module, RMM antenna's and interface. Accessories (styli, probe extensions, adaptors etc.) remain the property of the original purchaser.

**Related Publications**

For further details regarding RMP60 refer to the following publications:

- H-5480-8504 RMP40 User Guide
- H-5480-8200 RMP40 Datasheet
- H-2000-5220 RMI Interface

For further details contact the Renishaw Inc Machine Tool Department or your Renishaw Regional Sales Manager.

Sincerely,



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