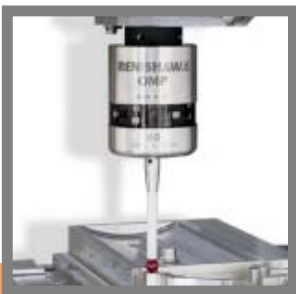


Release the full potential of your machine tools

Probing is the key to unlock the productivity of your machines



Why you need to use Renishaw probing on your machine tools

Rapid and accurate tool setting, and job set-up

Cut non-productive setting to a fraction of the time you take now

Reduce scrap caused by setting errors

Confirm component alignment and identify minimum stock condition

Reduce expensive fixture costs

No need for expensive alignment fixtures – use simple clamping and the probe will locate your parts

Reduce operating costs

Operator to machine ratio is reduced

Detect broken or incorrect tools

Perform tool verification and broken-tool detection, allowing corrective action eg. call operator or change for 'sister' tooling

Improve component quality and accuracy

Consistently check components on your machine before and after machining

Improve safety

Fully automatic operation so that all machine guarding remains closed during setting or inspection

But what about...

The suitability of my application?

Don't worry! An engineer will carry out a full survey of your machine and the application you have in mind

Software?

We will supply probing software to meet your application needs

Installation?

Experienced engineers will install the probe system at a time convenient for your production schedule

Training?

After installation, our engineers will train your operators and engineers at the machine, on a real job. You will learn how to get the best from your system, from DAY ONE of operation

After sales service?

We provide a telephone helpline for application advice or a visit to your works can be arranged

Probe systems for machine tools

Machining centres - job set-up / inspection

OMP40

- Machining centres and drill/tap machines
- Ultra compact
 - 360° infra-red optical transmission
 - Maximum range 3 m
 - Length - 50 mm



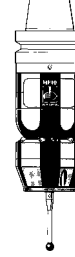
RMP60

- All medium/large machining centres, 5 axis machines and VTL's
- Compact
 - Maximum range 15 m
 - Improved radio transmission
 - Uses new FHSS technology
 - Length - 76 mm



MP10

- Vertical and horizontal machining centres
- 360° infra-red optical transmission
 - Maximum range 6 m
 - Length - 116 mm



MP700

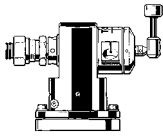
- High accuracy inspection on vertical and horizontal machining centres
- 360° infra-red optical transmission
 - Maximum range - 6 m
 - Length - 116 mm



Machining centres - tool setting / breakage detection

TS27R

- Cost effective tool setting on vertical machining centres
- Hard wired
 - Height - 92 mm



NC3

- Small machining centres
- Rapid broken tool detection
 - Tool profile checking
 - Drip rejection software
 - Outside length 135 mm
 - Non-contact



NC4 (fixed or separates)

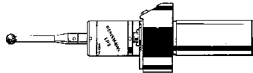
- Machining centres
- Rapid broken tool detection
 - Tool profile checking
 - Drip rejection software
 - Various sizes available
 - Non-contact



Lathes - job set-up

LT02/LT03

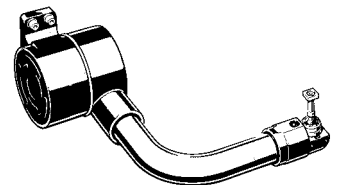
- VTL's - turret mounted
- Uni-directional infra-red optical transmission



Lathes - toolsetting

HPPA/HPRA/HPMA

- Tool setting on two and three axis lathes
- Multiple customised dimensions and configurations available



QC10 Ballbar - quick machine performance testing

A quick 10 minute test is all that is required to assess the performance of your machines:

- Increase machine uptime and productivity
- Reduce scrap
- Form predictive maintenance programs
- Pinpoint specific machine faults
- Comply with ISO, ANSI, QS9000 and ATA standards



Styli

Ruby ball styli

- Ceramic stems
- OMP40 - 50 mm
- RMP60 - 100-150 mm
- MP10 - 100-150 mm
- MP700 - 200 mm



Ruby ball stylus

- Carbon fibre stem with up to 300 mm range



Ruby ball stylus

- Stainless steel stem



- ### TS27R crash protection device
- Silver steel



Stylus extensions

- Ceramic stems



These are just a small selection from a range of over 6000 styli. For further information, please ask for a free copy of our comprehensive styli & accessories guide.