Machine tool probes

OTS

The OTS is a new optical transmission tool setter for vertical and horizontal machining centers. Modeled on the TS27R, OTS can set tool length and diameter of rotating tools and perform broken tool detection. OTS is available in two configurations – OTS ½AA and OTS AA. OTS can be used with the OMI-2, OMI-2T or OMM-2/OSI interface. OMI-2T or OMM-2/OSI must be used if OTS is to be paired with another optical transmission probe.

Sense directions  
±X, ±Y, ±Z

Stylus overtravel  
X and Y: ±10°
Z: 5.5 mm (0.21 in)

Stylus trigger force  
130 gf – 240 gf

Unidirectional repeatability  
1.0 µm (0.00004 in)

OTS retrofit kit

Includes:  
OTS ½AA or OTS AA probe
OMI-2T
Receiver mounting bracket
Sealtite kit
Renishaw tool setting software
Installation and application support

Part number: OTS-S (½AA configuration)
Part number: OTSAA-S (AA configuration)

Available at fixed price – call for details.

Note: The retrofit questionnaire at the end of this section must be filled out and returned to Renishaw before a retrofit order can be processed.

OTS hardware only kit

Includes:  
OTS ½AA probe or OTS AA probe
OMI-2T
Receiver mounting bracket
Sealtite kit

Part number: OTS-KIT  
Price: $4,388
Part number: OTSAA-KIT  
Price: $4,388

OTS ½AA probe kit

Includes:  
OTS probe
½ AA battery (2)
Tool kit

Part number: A-5401-2001  
Price: $2,271

OTS AA probe kit

Includes:  
OTS probe
AA battery (2)
Tool kit

Part number: A-5514-2001  
Price: $2,271