

RTS

Cable-Free Tool Setting Probe



The wireless **Renishaw RTS** is a tool setter with radio transmission suitable for use on machining centers of all sizes, or in applications where line-of-sight between the tool setter and receiver is difficult to achieve.

Benefits

- Rapid measurement of tool length and diameter
- Wireless for unrestricted machine movement
- Direction-adjustable infrared optical module
- Significant time savings with reduced machine downtime
- Elimination of manual setting errors
- In-cycle tool breakage detection
- Reduced scrap

Features

- Proven kinematic design offering 1.0 μm repeatability at 2σ
- Secure Frequency Hopping, Spread Spectrum (FHSS) technology
- Globally recognize 2.4 GHz waveband — compliant with regulations in all major markets
- Battery powered wireless design allows unrestricted machine movement and easy installation
- Sealed to IPX8 for use in the harshest machining environments

Specifications

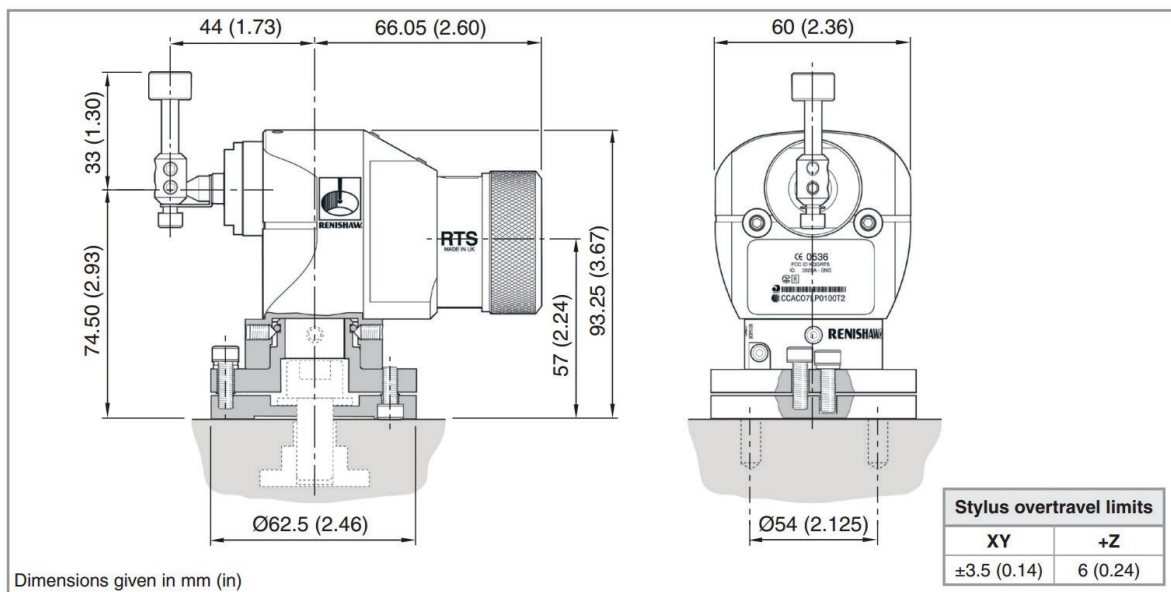
Specifications

Primary application	Tool measuring and broken tool detection on vertical and horizontal machining centers and gantry machining centers
Sense directions	$\pm X \pm Y + Z$
Stylus trigger force	1.3 N to 2.4 N, 133 gf to 245 gf (4.6 ozf to 8.63 ozf) depending on sense direction
Unidirectional repeatability	1.0 μm (40 μin) 2σ Maximum mean 2 sigma (2σ) value
Sealing	IPX8 (EN/IEC 60529)

Battery Life

(2x AA 3.6 V Lithium Thionyl Chloride)

Standby life	Continuous use
600 days	1600 hours



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