



Mechtro S.L.N. BHD.

Renishaw SP25M Probe & Modules

Category: Renishaw Probe Body & Modules

At only 25 mm in diameter, and with a range of scanning and touch-trigger modules, the SP25M is the world's most compact and versatile scanning probe system.

The SP25M comprises two sensors in a single housing. Users can switch between a choice of five scanning modules (which can carry M3 styli with lengths from 20 mm to 400 mm) and an adaptor module that is compatible with Renishaw's TP20 range of probe modules. This capability enables scanning and touch-trigger probing in a single probe system.

The SP25M's compact size and autojoint mounting makes it compatible with the PH10M PLUS / PH10MQ PLUS and PH6M probe heads. It can also be mounted on a multiwired extension bar. Together, these combinations permit excellent reach and access to part features.

For details of the technology in SP25M, refer to the SP25M technical paper.

Features and benefits

- World's smallest scanning probe at only 25 mm in diameter
- A range of FCR25 module change systems, each of which allows any of the SP25M system elements to be stored in each port.
 - SM25 scanning modules and the TM25-20 TTP module adaptor can be docked directly into the FCR25 ports
 - SH25 scanning stylus holders require a PA25-SH adaptor
 - TP20 modules can be stored using PA25-20 adaptors
- Excellent metrology - isolated optical sensing and 3rd order polynomial compensation
- Five modules provide optimal performance across a range of stylus lengths (up to 400 mm)
- Two sensors in one - scanning and touch-trigger
- Crash protection and simple stylus changing
- Fast and simple probe calibration cycle
- Ideal for profile and form measurement
- Suitable for use on motorised indexing heads for greater flexibility and shorter scanning cycle times
- Simple and robust design for greater reliability - no motors or locking mechanisms