

TOUCH PROBE KITS



- Integrate vision and touch probe measurements with the Vertex and Excel machine models.
- Touch probe measurements include an automatic approach vectoring and solution iteration.
- The touch probe kit includes a multi-port probe rack with kinematic mount to the machine.
- InSpec software provides an intuitive probe assembly interface, automated probe calibrations and probe docking.

Touch Probe Kit Contents

- RENISHAW® TP200/TP20 Probe Body.
- RENISHAW® TP200/TP20 Probe Module/s.
- M2 Five Way Stylus Center.
- M2 Stylus (5 ea. 3 mm x 20 mm).
- M2 Extensions (2 ea. 10 mm, 2 ea. 20 mm, & 1 ea. 30 mm).
- Multi-Port Probe Change Rack (2, 4 or 6 Port).
- Module, Stylus, and Fixture Storage Box.
- Micro-Vu Offset Fixture & Reference Sphere Assembly.
- Mounting Hardware, Cleaning Kit, and Case.

Product information is subject to change without prior notice as a result of ongoing technical development.

Technical Specifications

Vertex

Touch Probe Kit	Vertex 261	Vertex 341	Vertex 342	Included Probe Module	Triggering Force XY [N]	Triggering Force Z [N]	Rack Size
TP20-2	✓	✓	✓	STD, MED	0.08, 0.1	0.75, 1.9	2 Port
TP20-4		✓	✓	STD, MED	0.08, 0.1	0.75, 1.9	4 Port
TP20-6		✓	✓	STD, MED	0.08, 0.1	0.75, 1.9	6 Port
TP200-2	✓	✓	✓	STD	0.02	0.07	2 Port
TP200-4		✓	✓	STD	0.02	0.07	4 Port
TP200-6		✓	✓	STD	0.02	0.07	6 Port

Excel

Touch Probe Kit	Excel 511, 701	Excel 512, 702, 704	Included Probe Module	Triggering Force XY [N]	Triggering Force Z [N]	Rack Size
TP20-4	✓		STD, MED	0.08, 0.1	0.75, 1.9	4 Port (110 mm)
TP20-6	✓		STD, MED	0.08, 0.1	0.75, 1.9	6 Port (110 mm)
TP20-4+		✓	MED, EXT	0.1, 0.1	1.9, 3.2	4 Port (170 mm)
TP20-6+		✓	MED, EXT	0.1, 0.1	1.9, 3.2	6 Port (170 mm)
TP200-4	✓		STD	0.02	0.07	4 Port (110 mm)
TP200-6	✓		STD	0.02	0.07	6 Port (110 mm)
TP200-4+		✓	STD	0.02	0.07	4 Port (170 mm)
TP200-6+		✓	STD	0.02	0.07	6 Port (170 mm)

- Accuracy of the touch probe depends on the stylus size.
- TP20 and TP200 can not be used together on the same rack.
- TP200 is a 6 axis probe, 6 way TP20 module can be purchased through RENISHAW®.
- TP200 requires a lower triggering force, improving the ability to measure smaller parts.