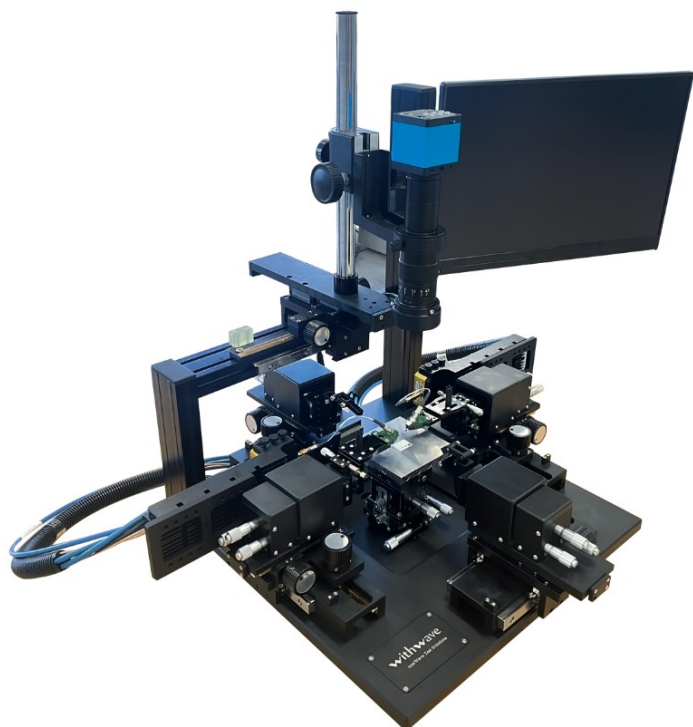


RF & mmWave Probe Station - WPS



Withwave's RF & mmWave Probe Station, WPS provides precise and affordable measurement tool for a wide range of mmWave testing and characterization of semiconductor ICs and miniaturized modules in the frequency from **DC to 110GHz and 145GHz** with commercial mmWave VNA system having mmWave down-converter modules.



* WPS-1 with Anritsu mmWave modules integrated (DC~110GHz, DC~145GHz)

3743A/AX
3743E/EX



Features

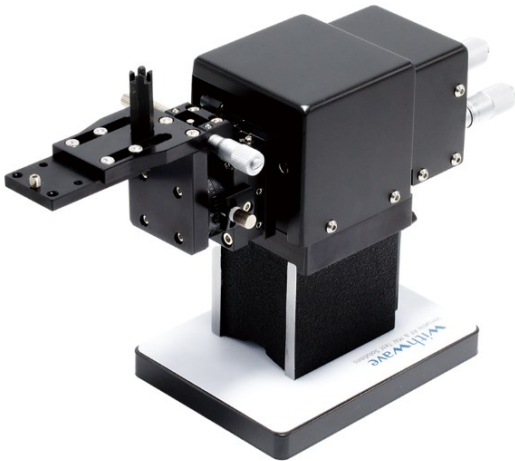
- Precision mount blocks for close integration of Anritsu mmWave modules/heat-sink and positioners
- X, Y rail mounts enable easy and precise movement for mmWave and DC positioners
- Precision mmWave micro-positioners included (upto 2)
- Precision DC, control signal micro-positioners included (upto 2)
- Digital microscope and 16 inch monitor mount on the station
- Rail mount enable easy and precise movement of microscope
- Close integration and easy placement of monitor (16inch)
- 2 types of DUT plate size exchangeable : 3"(76mm x 76mm), 4" (110mm x 110mm)

Application

- RF and mmWave ICs and Miniaturized mmWave modules
- High speed differential ICs and modules
- DC and control signal applications

Category	Items	Values
Station	Footprint Height Weight Positioner capacity mmWave modules capacity Rail range for positioners Rail range for microscope Extender Compatibility	450 mm W x 460mm D 660 mm (to Microscope) 30kg Upto 4 positioners mountable (RF or DC) Upto 2 modules 80mm X : 100mm, Y : 110mm Anritsu 3743A/E, MA25300A, 3744A/E
Chuck	Material Stage type Size Travel range X,Y resolution Theta travel Theta resolution Z-motion range Z-motion resolution Vacuum DUT size range	Stainless Steel Rectangle 100mm x 100mm (3.9" x 3.9") or 150mm x 150mm (5.9" x 5.9") X : 13mm, Y : 13mm 1 μ m 15° 0.1° 13mm 1 μ m Center(10mm x20mm), Outer(3", 4") : 2 zone controlled by switch 1 mm - 100 mm
Microscope/ Monitor	Microscope type Zoom range View area Illumination Monitor type	High resolution digital camera scope 0.7x - 4.5x 2mmx1.5mm - 19x15mm Ring LED light source adjustable brightness 16" 2560x1600, HDMI connected
mmWave Positioner	Resolution Travel Range Dimensions Tilt travel Tilt resolution Weight Extender Compatibility	1 μ m Linear 12 mm X-Y-Z 80 mm W x 250 mm D x 65 mm H 15° 0.1° 980 g Anritsu 3743A/E, MA25300A, 3744A/E
DC Positioner	Resolution Travel Range Dimensions Weight	1 μ m Linear 13 mm X-Y-Z 80 mm W x 230 mm D x 65 mm H 850 g

WP-01 : mmWave Positioner



- Resolution : 1 μ m
- Travel Range : Linear 12 mm X-Y-Z
- Dimensions :
 - 80 mm W x 250 mm D x 65 mm H
 - *130 mm H (with magnetic mount)
- Tilt travel : 15°
- Tilt resolution : 0.1°
- Weight : 980 g
 - *2050g (with magnetic mount)
- Extender Compatibility :
 - Anritsu 3743A/E, MA25300A, 3744A/E
- Mount option : Magnetic with Switch

WP-02 : DC Positioner



- Resolution : 1 μ m
- Travel Range : Linear 13 mm X-Y-Z
- Dimensions :
 - 80 mm W x 230 mm D x 65 mm H
 - *130 mm H (with magnetic mount)
- Weight : 850 g
 - *1950g (with magnetic mount)
- Mount option : Magnetic with switch

Test Accessories

Microwave Cable Assembly

- Ultra Low loss (W1 Series) : SMA, 2.92 mm, 3.5 mm, 2.4 mm
- High Performance (W2 Series) : SMA, 2.92 mm, 2.4 mm, 1.85mm
- Phase Stable (WT Series) : 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm
- Push on : SMP/SMPM to 2.92 mm, 2.4 mm



Precision Adapters

- SMA, N, 2.92 mm, 3.5 mm, 2.4 mm, 1.85 mm, 1.0 mm, 0.8 mm (145 GHz) in series & between series
- Straight types & Right Angle types



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