

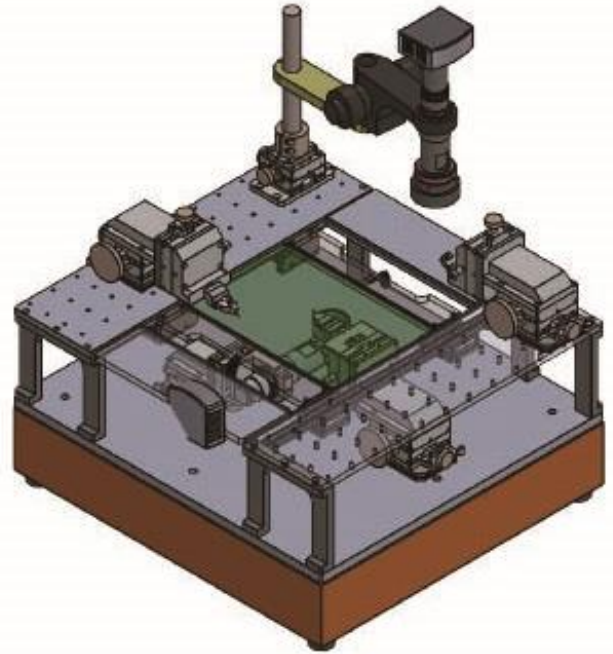
Modular Probe Station – Vesion RFM300

DATA SHEET

RFM300

The RFM300 is an stable and extremely precise RF probe station built for research R&D and university lab probing use. It is available in PCB ,100mm (4") and 150mm (6") Chuck stage. Version RFM300 is to be designed to assist RD specialist to characterize MMIC or DC measurement in manual conditions.

The RF probe systems is specifically designed to address the requirements of research personnel - simplicity and ease of operation, portability, affordability and modularity. The Version RFM300 provides features and options such as High magnification optical output scope, Optical device probing, multi-die DC characterization probing, Low-leakage/High Voltage probing. Customer can easily choose numerous accessories can be added at a later date to enhance the system functionality.



FEATURES AND BENEFITS

- Firm footprint – fits on a desk, small bench, in a glove box or dark box
- Sold as a completely configured system
- Interchangeable components - can be used as a single or multiple application system
- Modular – numerous accessories can be added for additional capability
- DC, RF/Microwave versions available

CONFIGURATION INCLUDES:

- Rigid Stainless Steel base on Aluminium Alloy structure design
- Coarse and fine wafer stage adjustment with interchangeable stage options - packaged part or thermal
- 300mm*300mm PCB chuck
- 150 mm (6") chuck with isolation adapter and vacuum control system
- Stainless steel plated platen with removable front wedge
- Two (2) RF PSTRF400 manipulators with magnetic bases, face plates and coaxial probe arms (standard)
- Optional Microscope post with coaxial and linear microscope X, Y movement
- 40X~230X or 55X~300X magnification single lens microscope with 150 mm working distance

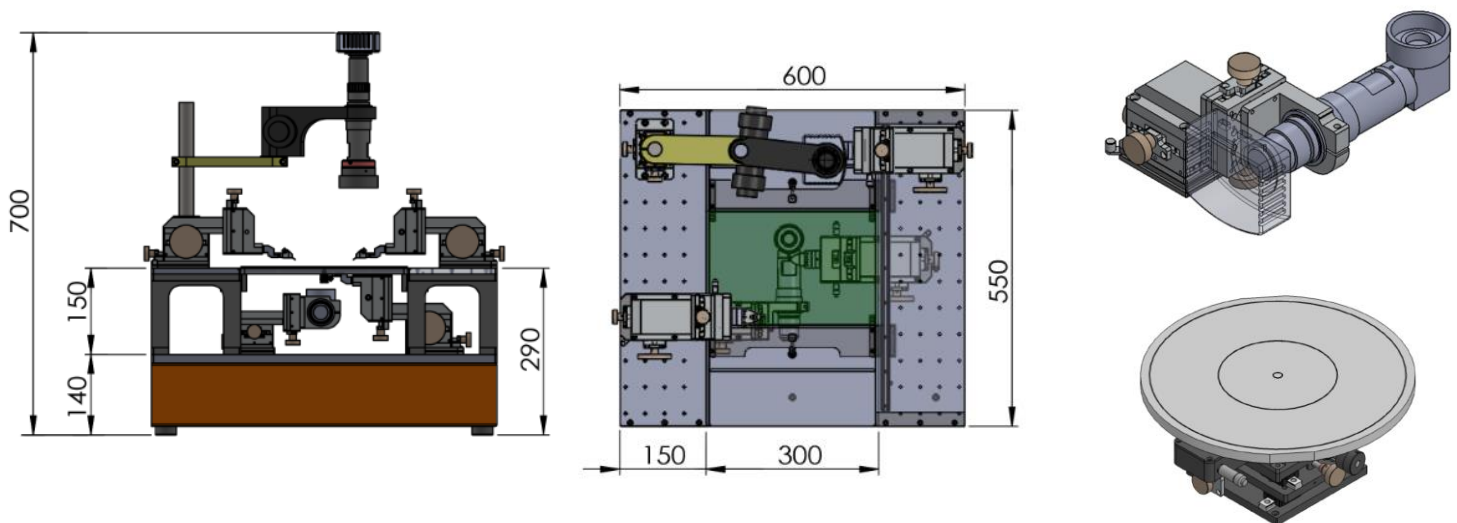


SPECIFICATIONS

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| Dimensions | 600 mm X 710 mm X 550 mm (23.6" X 27.9" X 21.6") (W,H,L) – with Optics |
| Weight | 90 kg (198 lbs.) |
| Base | Solid Aluminum Alloy rigid base on universal joints foot |
| Platen | Aluminum with stainless steel top and removable front wedge for easy wafer handling |
| PCB Chuck | Manipulator – magnetic (standard), vacuum (with optional vacuum manifolds) Adjustable PCB Holder from 45*45 to maximum 300*300(mm) dimension, with Tap-Fix rail compression plate fixture clamp for horizontal PCB platform holding Chuck |
| Wafer Chucks | Vacuum or mechanical clamping, round or square, HF, ambient, thermal and custom Handle die, wafer packs, sawn wafers on frame, broken wafers and wafers up to 150 mm Nickel plated steel with concentric vacuum rings (standard), Porous ceramic, materials available |
| Stage X-Y-Z Movement | Fine micrometer adjustment – 24 mm (X, Y, Z) |
| Theta Movement | Travel: 360 degrees (coarse) and 10 degrees (fine) with theta locking knob |
| Optics | Dual 40X~230X or 55X~300X magnification single lens microscope 150 mm working distance |
| Utilities | Power: AC 110V AC 50-60 Hz 20A Vacuum: 23 Hg or -0.8 bar |
| Options & Accessories | CCD Systems (camera, monitor and adapter) and stand (shown in picture page 1) Manipulators, Probe Arms, Probes, Cables – Coaxial, Triaxial, HF, Optical Probe Card and Package Part Holders Vibration Isolation Tables, Dark Box Stages – wafer, packaged part, thermal |

Note: Data and specifications vary depending on probe system configurations and accessories

DIMENSIONS



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