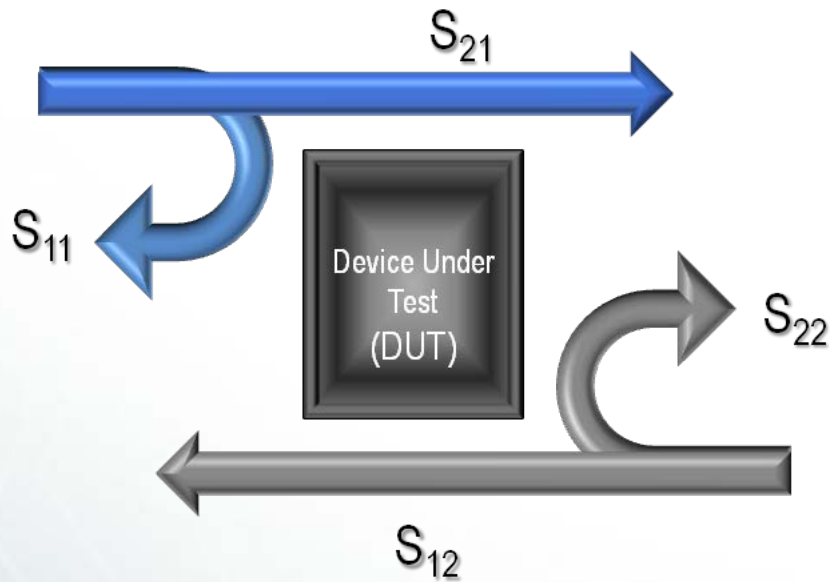


Consumer RF Market Historical Timeline

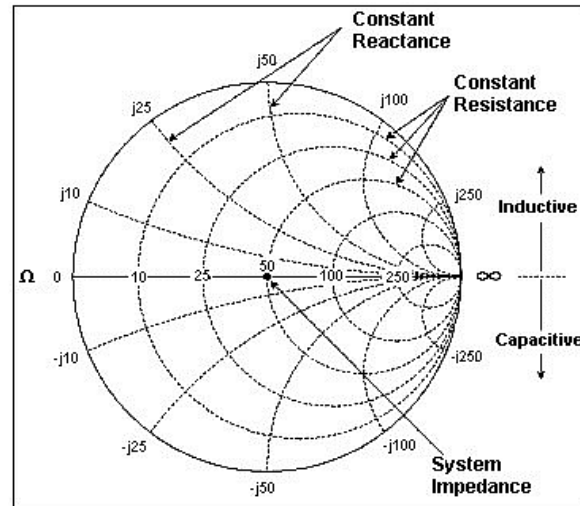


Educational Needs of Future Engineers & Designers

PRACTICALLY LEARN



S-Parameters



Smith Chart



Calibration

ON-WAFER

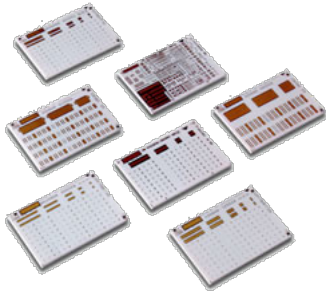
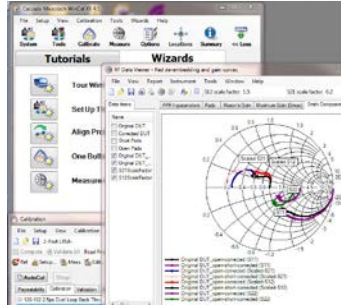
Problem is – COST of Teaching On-wafer Calibration/Measurement



Supplier 1



Supplier 2



Supplier 3



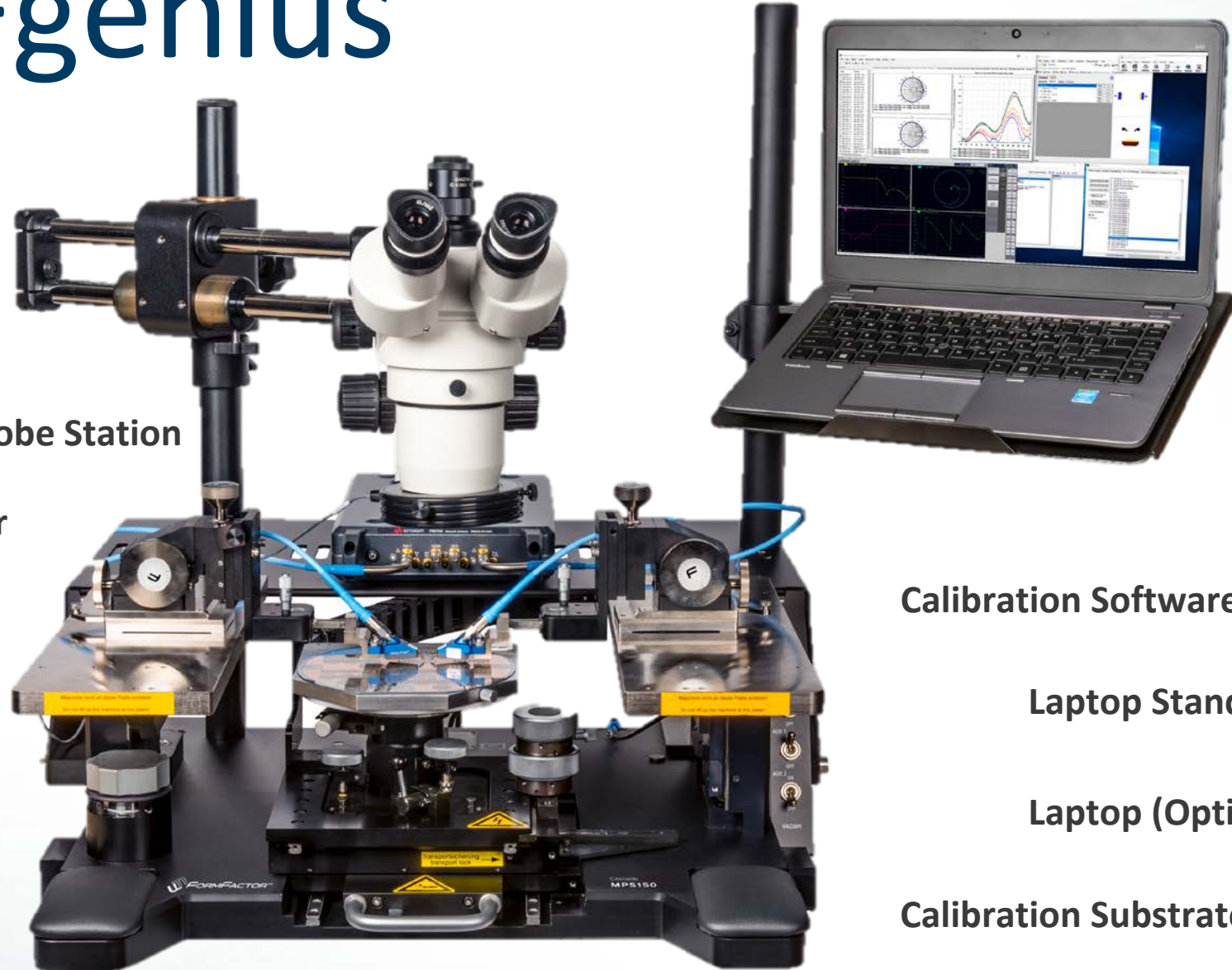
Supplier 4



\$108,951

For 8.5GHz 2-Port Solution

Introducing RFgenius



150mm Manual Probe Station

Vector Network Analyzer

Microscope & Optics Mount

RF Positioners (2)

RF Probes (2)

RF Cables (2)

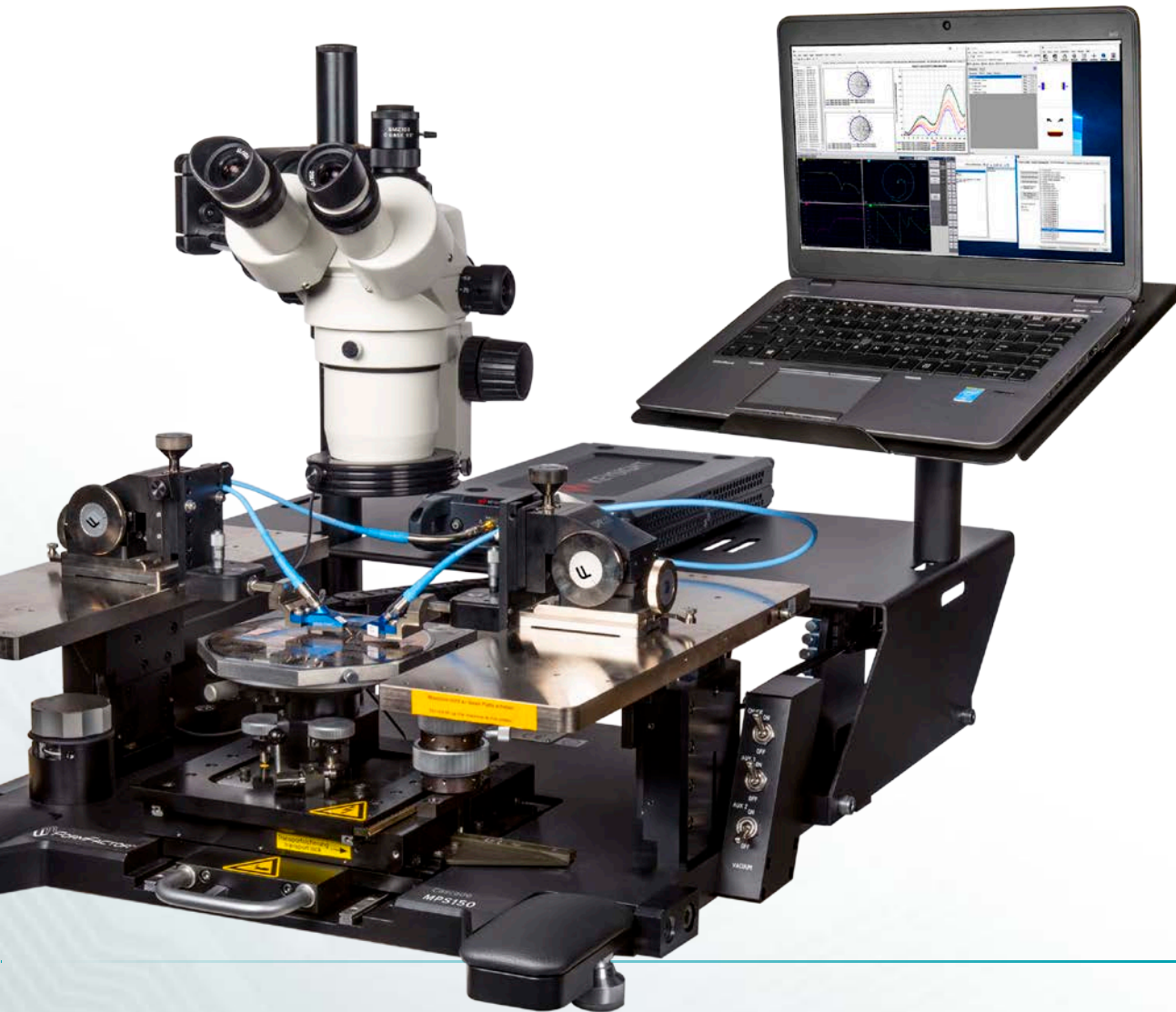
Calibration Software

Laptop Stand

Laptop (Optional)

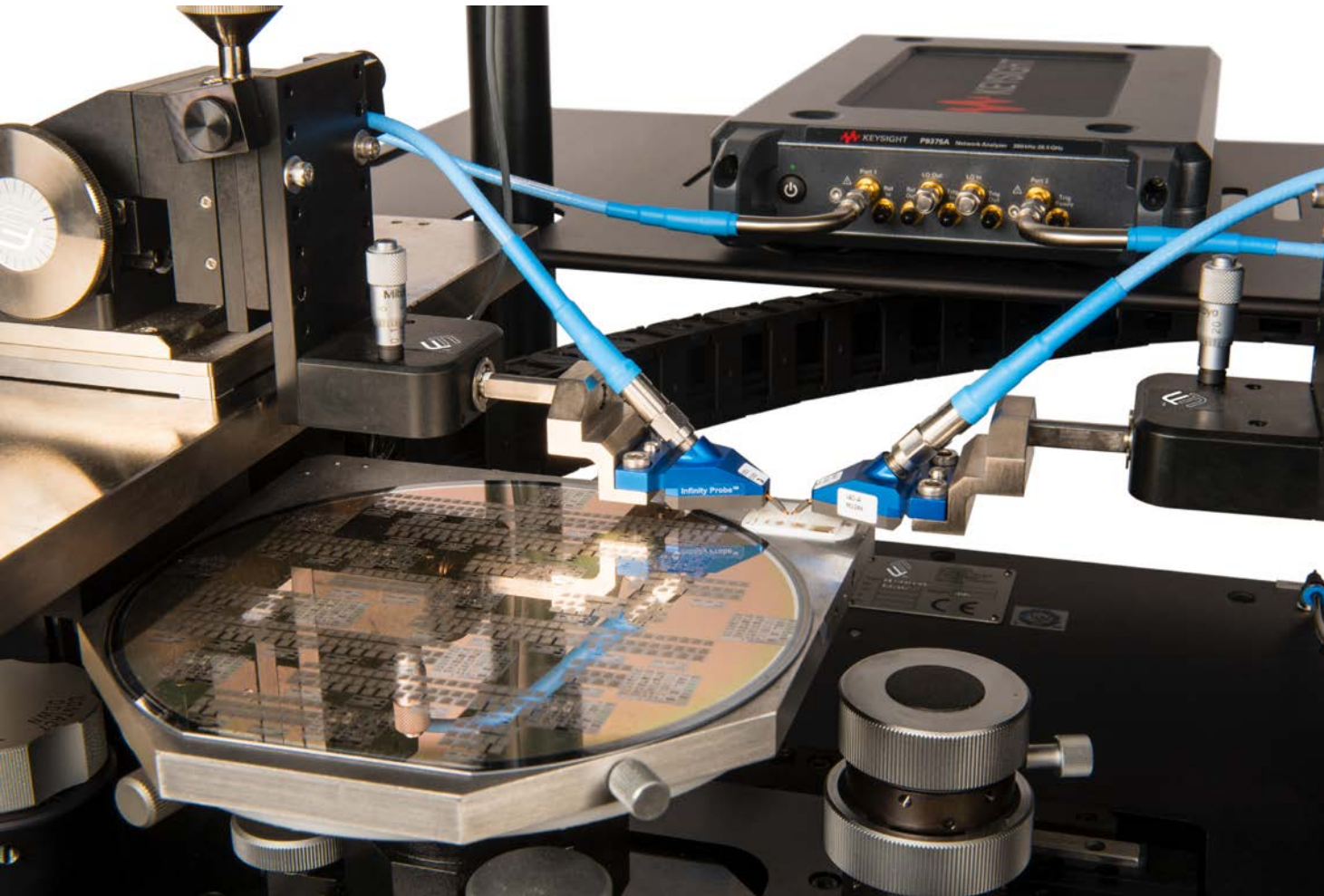
Calibration Substrate

Be a RFgenius



- Frequency Options to 26.5GHz
 - 4.5, 6.5, 9, 14, 20 & 26.5GHz Options
- Proven EPS150 System Platform
- 2-Port (expandable to 4-port)
- Instrument & Laptop Shelf
- Customized Short RF Cables

RFgenius Benefits

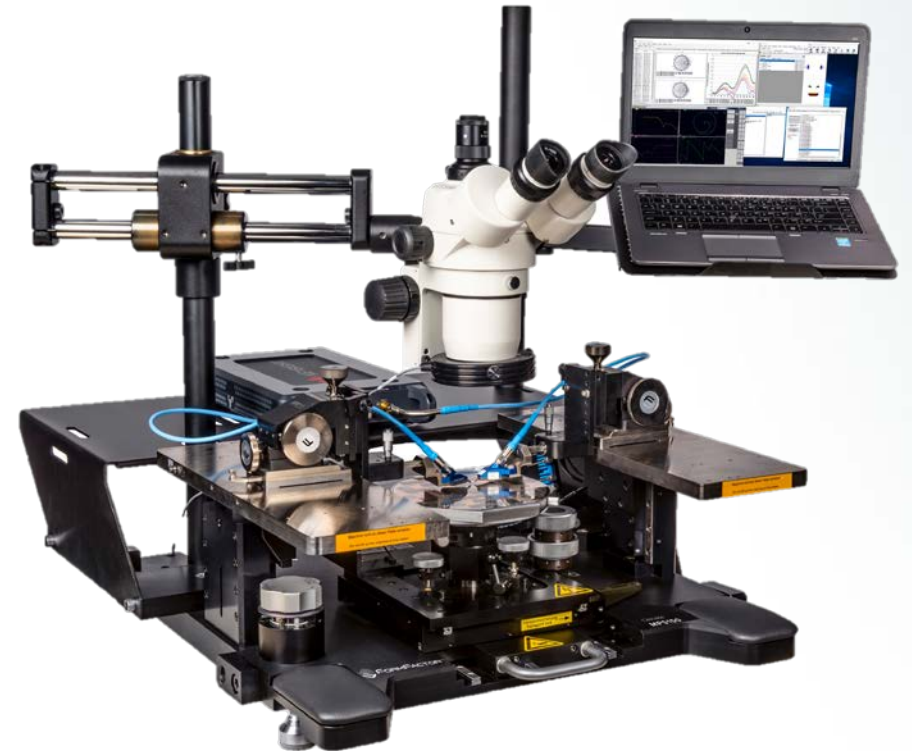


- Keysight PNA Quality Specifications/Measurements
 - No Compromise
- Small Footprint
- Turn-key Solution
- Best Measurement Practices
- Short Signal Path
- Characterized Measurement Performance
- **Extremely Low Cost Educational Kit**

RFgenius Pricing

Previous 8.5GHz Solution = \$108,951

| Part Number | Kit | Direct Price (USD) |
|-------------|---|--------------------|
| RFgenius-4 | 300KHz to 4.5GHz RF-genius Educational Kit | \$ 37,420 |
| RFgenius-6 | 300KHz to 6.5GHz RF-genius Educational Kit | \$ 39,420 |
| RFgenius-9 | 300KHz to 9GHz RF-genius Educational Kit | \$ 41,420 |
| RFgenius-14 | 300KHz to 14GHz RF-genius Educational Kit | \$ 45,420 |
| RFgenius-20 | 300KHz to 20GHz RF-genius Educational Kit | \$ 51,420 |
| RFgenius-26 | 300KHz to 26.5GHz RF-genius Educational Kit | \$ 61,420 |

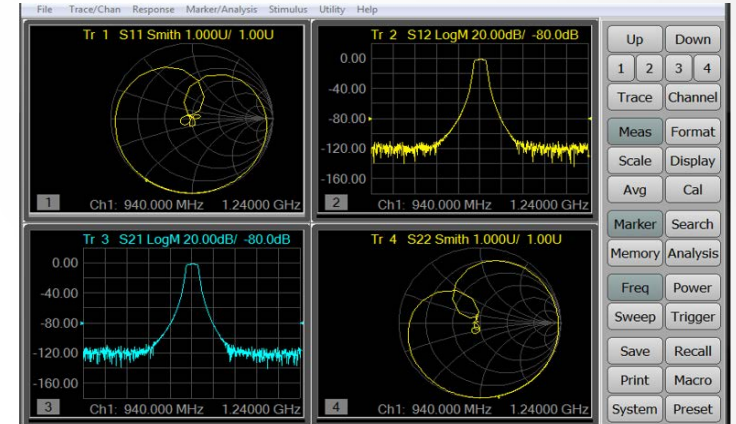


RFgenius 9GHz Solution = \$41,420

VNA: P937xA Streamline 300 kHz to 26.5 GHz Compact, USB VNA

KEY FEATURES

- Wide frequency coverage: 4.5 / 6.5 / 9 / 14 / 20 / 26.5 GHz
- Full 2-port VNA
- Small, compact form factor
- Same calibration and metrology across all trusted Keysight VNAs
- Common GUI with the Keysight VNAs
- Ability to extend the number of ports



RFgenius Availability and Conditions

- Designed and priced for Universities and Educational Customers
 - 2 Year warranty on FFI components (excluding consumables)
 - 1-year warranty on Keysight instrument and laptop
 - 4-years free WinCal upgrades
 - Choice of 40GHz probes and corresponding ISS
 - ACP, Infinity or Z-Probes
 - 8 Weeks lead time initially
 - Planned to be reduced to 4 weeks
 - Laptop is OPTIONAL (not included in the kit)
-