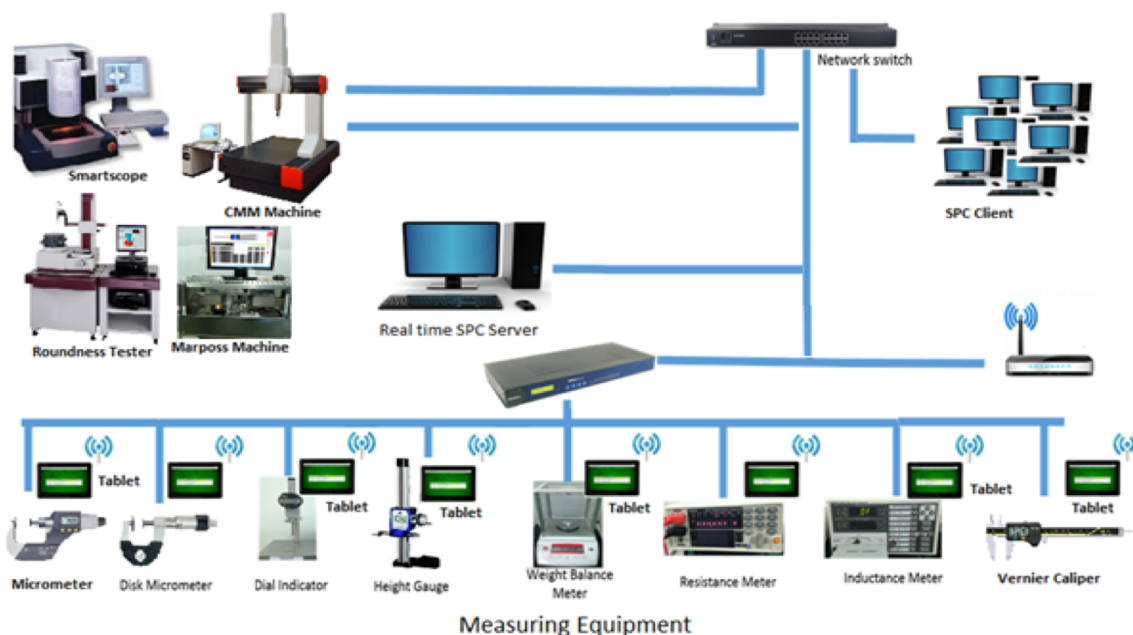# XTS Technologies
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Real Time SPC System

- Auto-collect measurement data from equipment of different makers
- Conform to audits of product quality data and method
- Full traceability of quality inspection, quality control and measurement records
- Real time alert of quality error and warning to production staff
- Reduce rejects, product returns and warranty claims
- Reduce human input mistakes
- eliminate erroneous paper method

Real time data collection

- Use tablet to connect and collect measurement data from equipment
- One tablet can be used for two measuring station
- Turn red color when the measurement is out of control (OOC)
- Collect and save quality data in a centralized SPC server
- Connect to equipment with RS232, RS422, RS485 and USB interface port (e.g. micrometer, disc micrometer, vernier caliper, dial gauge, height gauge, air gauge, resistance meter, inductance meter, etc.)
- Connect to equipment with Ethernet interface (e.g. CMM machine, smartscope, Marposs machine, roundness tester, etc.)

Quality Monitoring and Alert

- Support all standard SPC rules and show in a variety of Control Charts.
- Support Cp/Cpk, Pp/Ppk for every product from every production machine.

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Technical Specifications

Item	Description	Specification
1	Data Analysis User interface	Web UI
2	Data Input User Interface	Android Tablet
3	Internet browser	IE 10 and above
4	Operating System	Windows 7, Windows 8, Windows 10, Windows Server 2008/2013
5	Web UI Screen	Project Document Setting, Specification Setting, Job Assign, Control Method, Control Chart, SPC Chart, Alert Screen
6	Report (Excel)	Process inspection report, QA inspection report, outgoing inspection report, lot acceptance testing report
7	Alert method	Tablet, email, tower light
8	RS232, RS485, USB equipment	Micrometer, disc micrometer, vernier caliper, dial gauge, height gauge, resistance meter, inductance meter
9	Equipment with Ethernet interface	CMM machine, Smartscope, Roundness tester, Marposs machine, XRF
10	SPC Rules	Support standard SPC Rules to alert user of the data is Out Of Control (OOC) in SPC Chart
11	SPC Server Configuration	Intel Xeon CPU, 8GB DDR-3 RAM, 1TB 7200 SATA hard disk, DVDRW SATA ODD drive, usb mouse, usb keyboard, 21.5 inch LCD Display
13	Tablet configuration	Android 4.4 (KitKat), 16GB eMMC, 8 inch IPC (1280 x 800), rear + front camera, USB host, MicroSD slot, Wifi, Bluetooth

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