

Example of Measurement Data Management System Design

A system for recording and analyzing measurement results from various Mitutoyo measuring instruments for quality assurance purposes.

STEP1

Recording measurement results

No more transcribing



DP-1VA LOGGER 09-20

Direct data input to a PC

Connection cable-integrated USB-ITN



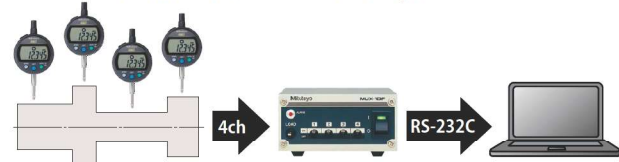
USB Input Tool Direct 09-5

Lineup of two models with different output specifications
IT-020U/IT-007R



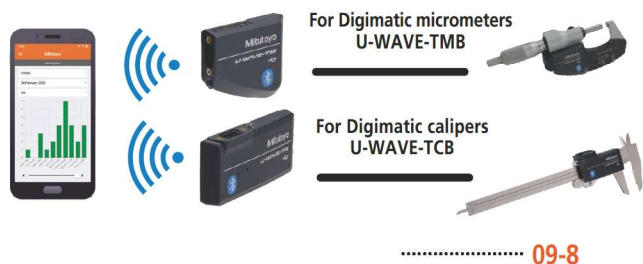
Input Tool SERIES 09-6

Connect to a RS-232C interface PC with 4 channels and a sequencer

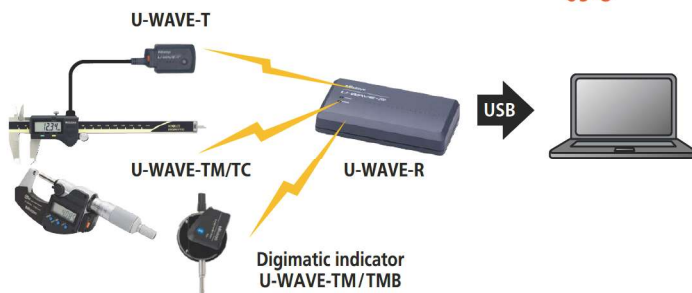


Multiplexer MUX-10F 09-21

Wireless



09-8



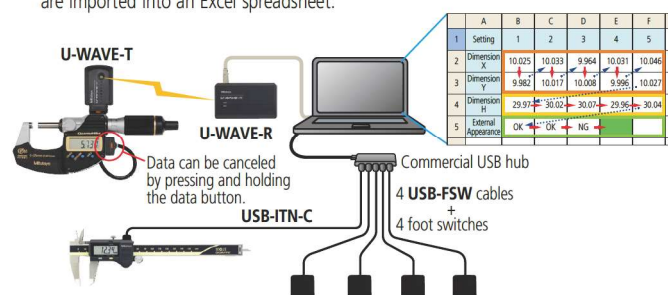
U-WAVE 09-9

STEP2

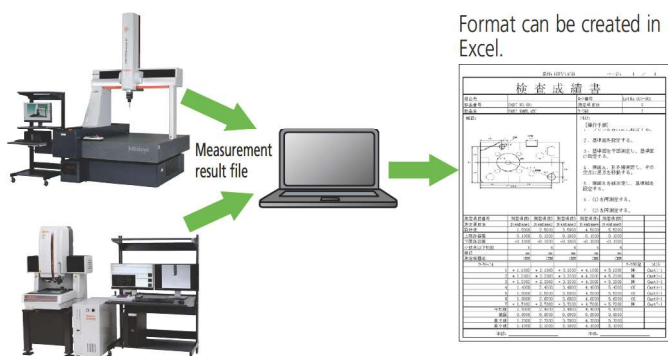
Software dedicated to inspection and quality control

Inspection certificate creation

Measurement data from calipers and micrometers are imported into an Excel spreadsheet.

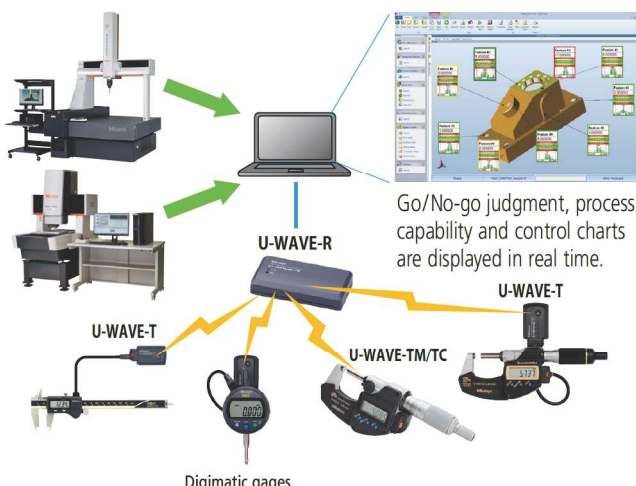


USB-ITPAK 09-15



MeasureReport 09-19

Statistical Process Control

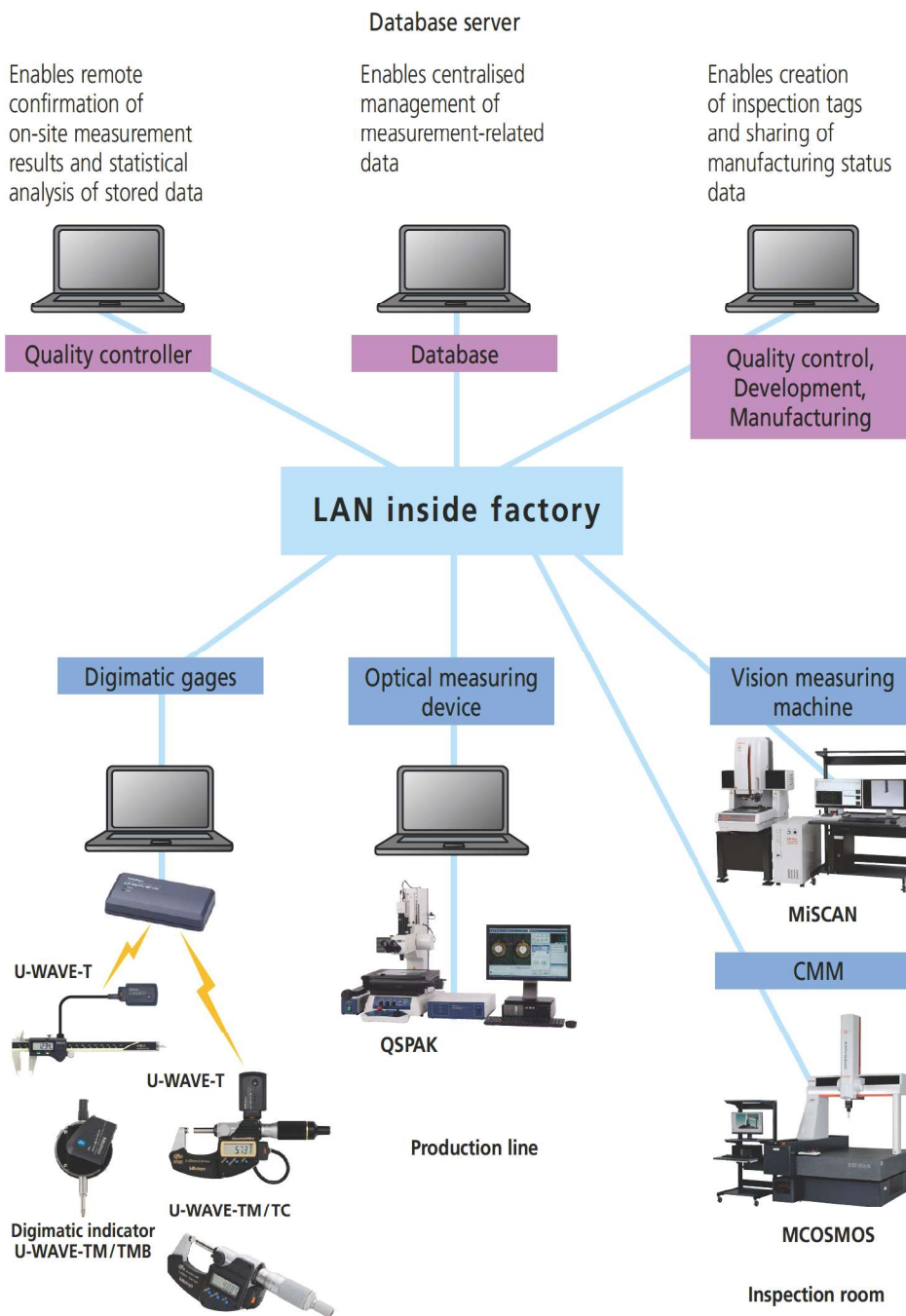


MeasurLink® 09-25

STEP3

Network the quality control information of whole the factory

Unify and control the measurement results through the network



Other peripheral devices and software

Condition Monitor

Conduct preventive maintenance through CMM status monitoring



Status Monitor

Can remotely monitor measuring machines



Note: For details on the above, contact your local Mitutoyo sales office.

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