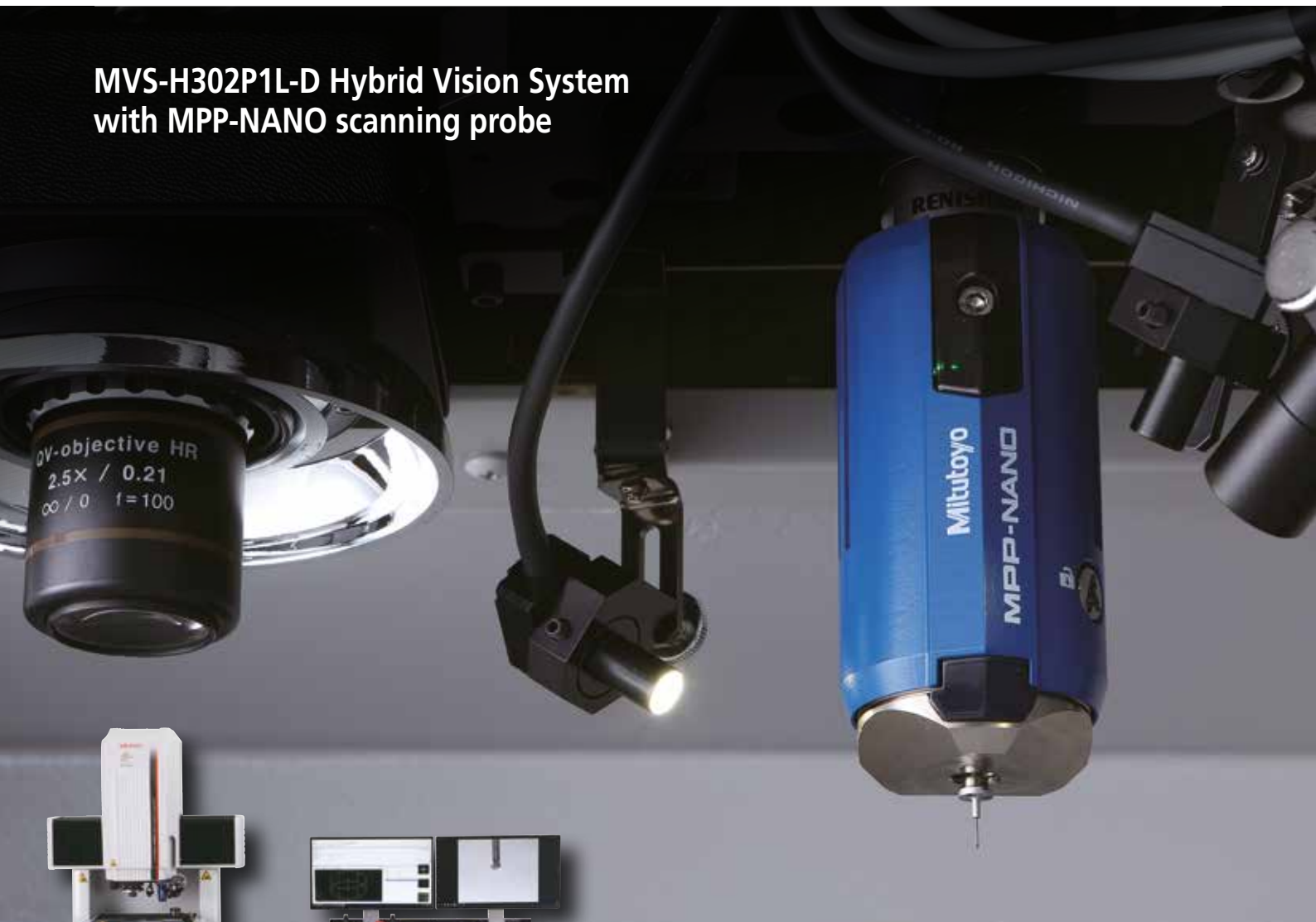


MISCAN VISION SYSTEM

MVS-H302P1L-D Hybrid Vision System
with MPP-NANO scanning probe



VISION MEASURING SYSTEMS



MVS-H302P1L-D

CNC controlled Hybrid Vision System equipped with vision sensor and high accuracy MPP-NANO scanning probe.

MCOSMOS and VISIONPAK-PRO software offers highest functionality for both tactile and non-contact measurements.

The MPP-NANO scanning probe is specially designed for high accuracy scanning measurements of minute parts. It applies exchangeable stylus modules.

MiSCAN Vision System will be available in three sizes.



MVS-H302P1L-D	With Vision sensor	With MPP-NANO probe
Measuring range in mm	300 x 200 x 200	175 x 200 x 200
Measuring accuracy [μm] ISO 10360-2:2009 L: Dimension between 2 arbitrary points [mm]	$E_{1x}, E_{1y}: 0,8+2L/1000$	$E_{0,MPE}: 1,9+4L/1000^{*1,*2,*3}$
Scanning accuracy [μm] ^{*1*2}	–	0,6
Repeatability σ [μm] ^{*1*2}	–	0,05
Scale resolution [μm]	0,02	
Max. loading mass [kg]	15	

*1: With $\varnothing 0,5 \times 5\text{mm}$ Stylus, *2: Scanning speed is 0,5 mm/s, *3: Diagonal direction XY plane.



35 mm retract stroke



Item	No. 1	No. 2	No. 3	No. 4	No. 5
Nominal ball tip diameter (D)	125 μm	300 μm	300 μm	500 μm	500 μm
Stylus nominal length (L)	2 mm	4 mm	4 mm	5 mm	9 mm
Aspect ratio (L/D)	16	13,3	13,3	10	18
Material of ball tip	Ruby	Ruby	Diamond	Ruby	Ruby
Measuring force (Calculated value)	$\leq 1 \text{ mN}$				

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Optical Measuring

Sensor Systems

Test Equipment
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Digital Scale and DRO Systems

Small Tool Instruments
and Data Management