

NEW PRODUCT ANNOUNCEMENT

October 10, 2019

Dear Mitutoyo Distributor,

We are pleased to announce the release of the new **MVS**.

All bundles in QuoteWerks have been updated to reflect this change and will use the latest version of **MCOSMOS (v4.2R3)** and **VisionPak PRO**.

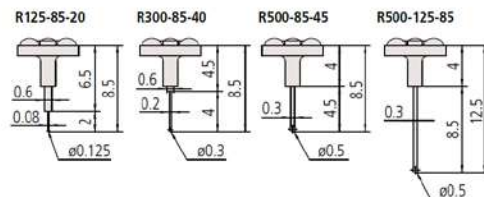


- Hybrid machine using a camera and either an SP25M or an MPP-NANO probe
- MCOSMOS and VisionPak PRO software
- MPP-NANO probe stylus diameter down to 0.125mm
- Two machine sizes available: 302 & 404
- Two accuracies available: Apex & Hyper
- Quick Vision Apex & Hyper optics & lighting
 - Power turret
 - B&W camera
 - Programmable ring light

Notes

1. The Hyper 302 can be configured for either the SP25M or MPP-NANO. It cannot be sold with both probe types. The 404 can only be configured with the SP25M.
2. MPP-NANO stylus options:

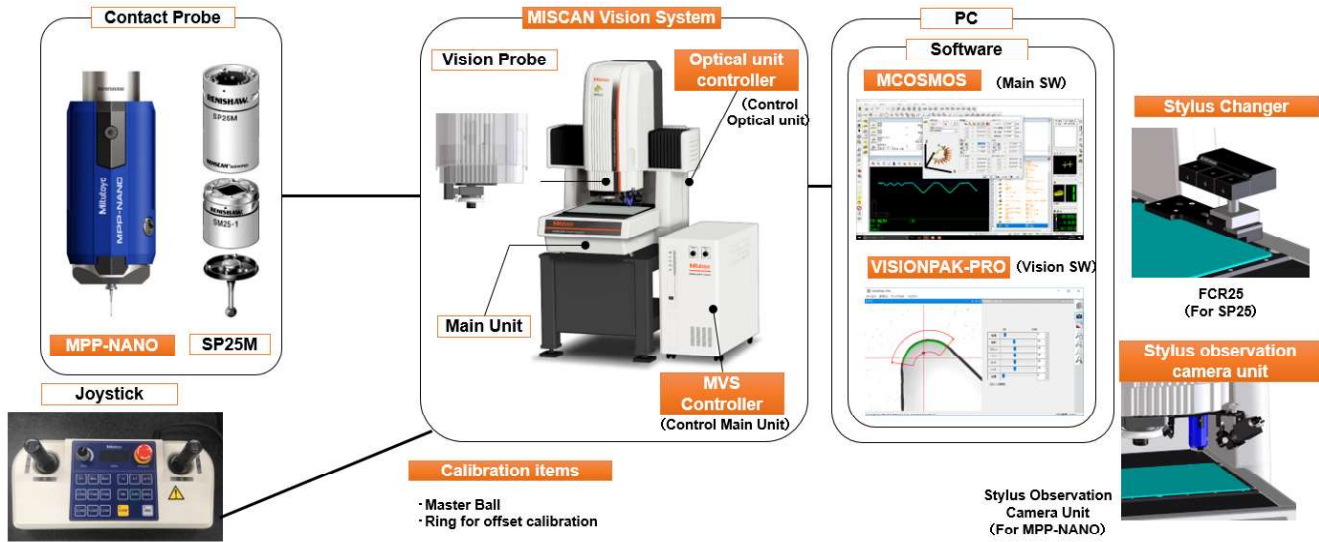
Item name	Specifications			
	MPP-NANO stylus, ø125L2	MPP-NANO stylus, ø300L4	MPP-NANO stylus, ø500L4.5	MPP-NANO stylus, ø500L8.5
Model	R125-85-20	R300-85-40	R500-85-45	R500-125-85
Nominal tip diameter	125 µm	300 µm	500 µm	500 µm
Nominal stylus length	2 mm	4 mm	4.5 mm	8.5 mm
Stem diameter	0.08 mm	0.2 mm	0.3 mm	0.3 mm
Aspect ratio	16	13.3	9	17
Tip material	Ruby	Ruby	Ruby	Ruby



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Series		Hyper	
Code No.		364-502SZ	
Model		MVS-H302P1L-D	
Dimensions & mass of main unit			
Measuring Range (mm)	Vision Probe	300 x 200 x 200	
	MPP-NANO / SP25M	175 x 200 x 200	
Total Length (Including Protrusions) (mm)		951	
Total Length (Excluding Protrusions) (mm)		859	
Total Height (mm)		1043	
Performance			
Measuring Accuracy (μm)	SP25M, MPP-NANO	E ₀ , MPE	1.9+4L/1000
		E _{1x} , E _{1y}	0.8+2L/1000
	Vision Probe	E _{1z}	1.5+2L/1000
		E _{2xy}	1.4+3L/1000
Scanning (μm) Accuracy	SP25M	MPE _{THP}	2.5 (50s scan time)
	MPP-NANO		0.6
		P _{F2D} , MPE	1.7
Scale Resolution (μm)		0.02	
Max Loading Mass (kg)		15	
Major units and functions			
Illumination Unit	Coaxial Light		White LED
	Stage Light		White LED
	Programmable Ring Light		White LED
Observation Unit		Programmable Power Turret (1x, 2x, 6x)	
Image Capture Element		B&W CCD Camera (1/2")	
Air Pressure		0.4MPa (supply should be 0.5MPa to 0.9MPa)	
Voltage		100V AC ~ 240V AC (+10%, -5%) at 50/60Hz	

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Series		Hyper	Apex	
Code No.		364-512SZ	364-511SZ	
Model		MVS-H404P1L-D	MVS-X404P1L-D	
Dimensions & mass of main unit				
Measuring Range (mm)	Vision Probe	400 x 400 x 250		
	SP25M	275 x 400 x 250		
Total Length (Including Protrusions) (mm)		1,407		
Total Length (Excluding Protrusions) (mm)		1,027		
Total Height (mm)		1,380.50		
Performance				
Measuring Accuracy (μm)	SP25M	E ₀ , MPE	1.9+4L/1000	2.5+6L/1000
	Vision Probe	E _{1x} , E _{1y}	0.8+2L/1000	1.5+3L/1000
		E _{1z}	1.5+2L/1000	1.5+4L/1000
		E _{2xy}	1.4+3L/1000	2+4L/1000
Scanning (μm) Accuracy	SP25M	MPE _{THP}	2.5 (50s scan time)	2.7 (50s scan time)
	MPP-NANO		-	
		P _{F2D} , MPE	1.7	2.3
Scale Resolution (μm)		0.02		0.1
Max Loading Mass (kg)		30		40
Major units and functions				
Illumination Unit	Coaxial Light		White LED	
	Stage Light		White LED	
	Programmable Ring Light		White LED	
Observation Unit		Programmable Power Turret (1x, 2x, 6x)		
Image Capture Element		B&W CCD Camera (1/2")		
Temperature Compensation		Automatic Input		
Voltage		100V AC ~ 240V AC (+10%, -5%) at 50/60Hz		

We thank you for your continued support and patronage of Mitutoyo products.

Sincerely,

Todd Himes
National Sales Manager - MI

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