




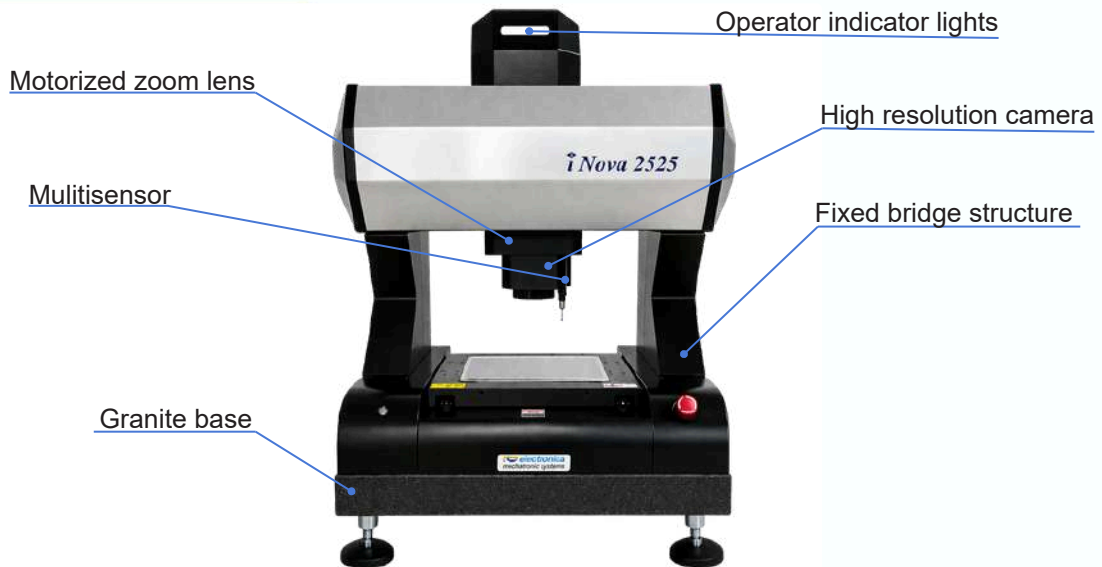
iNova

PRECISION VISION MEASUREMENT SYSTEM





High performance vision measuring system engineered for accurate and reliable dimensional inspection. With a robust and high resolution optical electronics and precise motion control, iNova delivers consistent results for demanding quality applications.



-  **Fix bridge type construction**
-  **High machine accuracy**
-  **Stable Granite Base Structure**
-  **Fully CNC Controlled Measurement System**



Key Highlights

-  Fixed bridge structure for excellent stability.
-  High resolution scale for superior accuracy.
-  User friendly software with advanced measurement tools.
-  Ideal for quality control environments.

Accuracy comparison

Accuracy	I Nova	I Nova Pro	I Nova Pro-Max
*E1 (Ex, Ey)	$\pm 3 + L / 150$	$\pm 2.2 + L / 175$	$\pm 2 + L / 175$
*E2 (Exy)	$\pm 5 + L / 150$	$\pm 2.5 + L / 175$	$\pm 2.2 + L / 175$
**E1(Ez)	$\pm 5 + L / 100$	$\pm 4 + L / 175$	$\pm 3 + L / 175$
**E3 (Exyz)	NA	NA	$\pm 3 + L / 175$

*Accuracy stated are with vision system at standard operating conditions
Temperature : 20 Deg \pm 2 Deg (with Standard Combinations)

** Accuracy stated are with probing system at standard operating conditions
Temperature : 20 Deg \pm 2 Deg (with Standard Combinations)

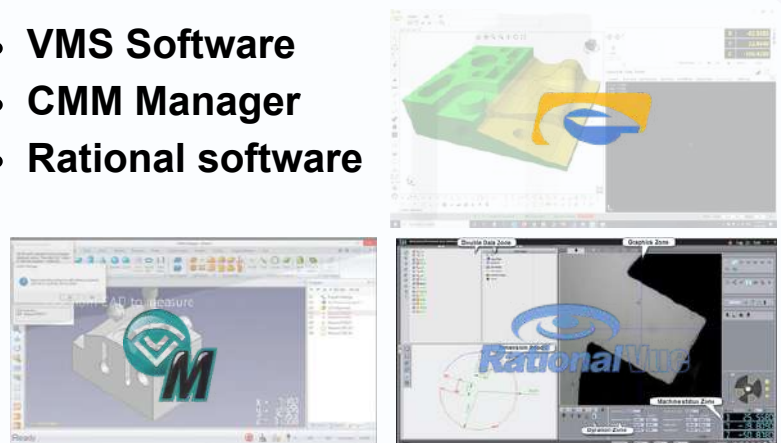
Machine Specifications	INova	INova Pro	INova Pro-Max
Measuring Range - X Axis	250 mm / 300 mm	250 mm / 300 mm	250 mm / 300 mm
Measuring Range - Y Axis	250 mm / 400 mm	250 mm / 400 mm	250 mm / 400 mm
Travel Range - Z Axis	200 mm		
Video System	Standard: 1.3 MP USB Camera Optional: 5 MP USB Camera	Standard: 5 MP USB Camera Optional: 1.3 MP Ethernet Global Shutter Optional: 5 MP Ethernet Global Shutter	Standard: 5 MP Ethernet Global Shutter Optional: 1.3 MP Ethernet Global Shutter Optional: 5 MP USB Camera
Imaging Optics	Standard: Manual Lens 1 : 6.5 x Optional: Motorized Lens 1 : 6.5 x	Standard: Motorized Lens 1 : 6.5 x Optional: Motorized Lens 1 : 12 x	Standard: Motorized Lens 1 : 12 x Optional: Motorized Lens 1 : 6.5 x Optional: Single zoom telecentric Lens
Scale Resolution	Magnetic Encoders 0.1µm	Standard: Steel Scale (RSF) 0.1µm Optional: Glass Ceramic (RSF) 0.1µm	Standard: Glass Ceramic (RSF) 0.1µm Optional: Steel Scale (RSF) 0.1µm
Motor Options	Standard: Stepper motor Optional: Step servo motor	Standard: Stepper motor Optional: Step servo motor Optional: DC servo motor	Standard: DC servo motor Optional: Step servo motor
Software	VMS Software	Standard: Rational DMIS Optional: VMS software Optional: CMM Manager	Standard: CMM Manager Optional: Rational DMIS
Probing options	NA	Touch trigger probe TP 20	Standard: Touch Trigger Probe TP 20
Lighting System		Operator indication lights	Optional: Scanning Probe SP 25M Operator indication lights
Rotary Options		Optional: ± 72 Arc Sec Accuracy	Standard: ± 72 Arc Sec Accuracy Optional: ± 25 Arc Sec Accuracy

Applications



Software options

- VMS Software
- CMM Manager
- Rational software



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