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FlexGauge



High Accuracy 3D Gauging Solution

A rugged alternative to custom gauging systems

Itaca FlexGauge systems offer flexibility for users who need measuring systems and software for small, high precision parts or families of parts. Itaca FlexGauge provides performance advantages and cost savings when compared to traditional hard gauging systems. FlexGauge systems are designed to provide fast, accurate measurements on the manufacturing floor.



Tangram metrology software performs dimensional calculations on critical part information.



An advanced motion controller provides system mobility to precisely maneuver through part inspection.



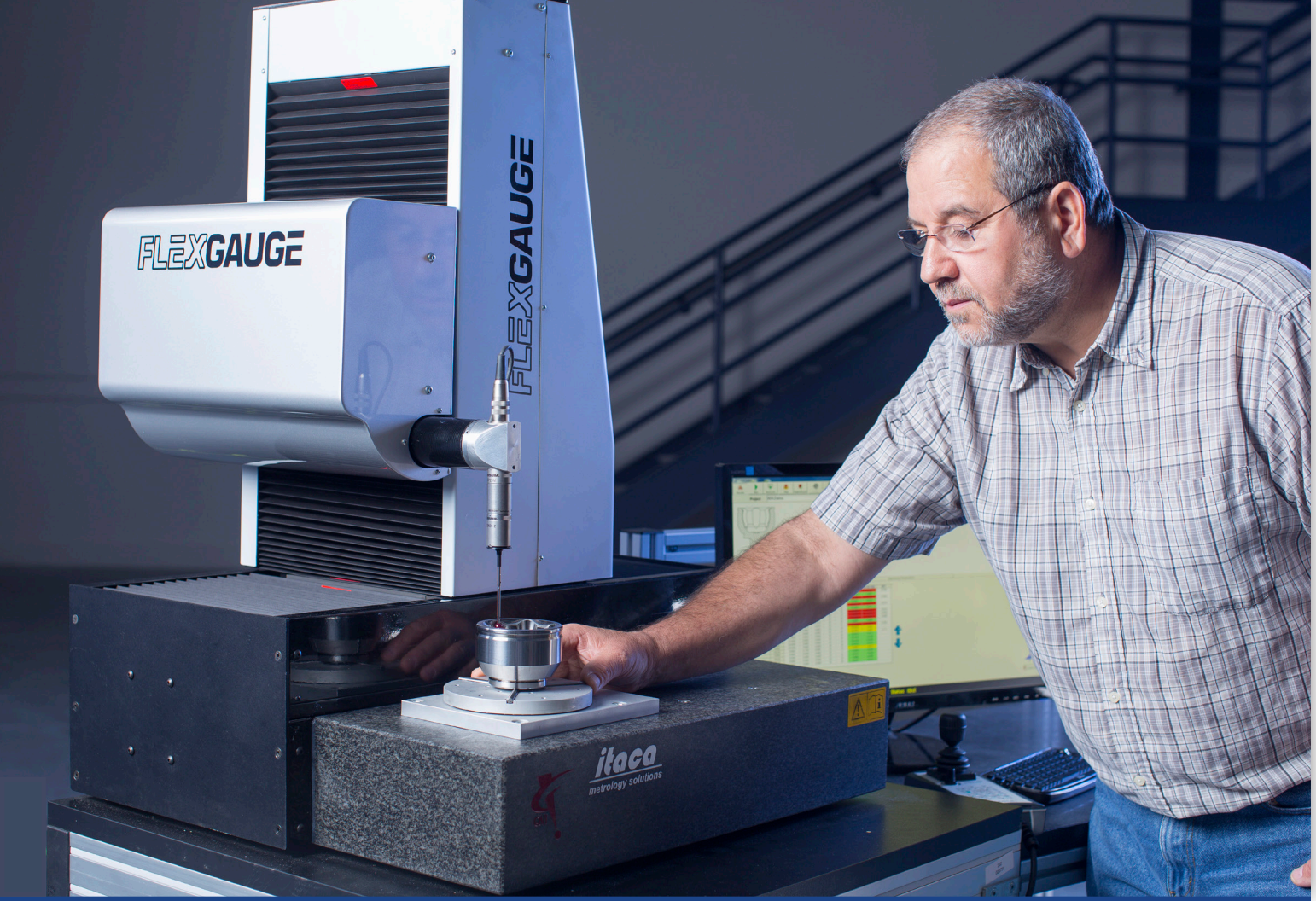
Flexible probe technology allows you to select necessary configurations for every type of measurement.

Itaca FlexGauge T-Series

Itaca FlexGauge T-Series systems are programmable 3D measuring machines that can be set up to measure a wide variety of parts or families of similar parts. FlexGauge T-Series systems are high accuracy machines suitable for the shop floor, with air bearing stages and a high performance motion controller. T-Series machines perform measurements on small complex parts with intricate features and tight tolerances such as gears, valve bodies, CV joints, racks and ballscrews.



		Standard		Optional
Travel (mm) (X,Y,Z)	Model			
	T16	160 x 100 x 160 mm		
	T25	250 x 160 x 250 mm		
Stages		Compound X-Y stage and air bearing Z-axis stage with advanced DC Servo drive system on all axes		
Max Velocity		550 mm/sec		
Probe Configurations		Single TP20	Probe support arm configured for the application	Dual Probe Arm
				TP200 Touch Probe
				SP25 Scanning Probe
				Star Probe
				Change Rack
Controller Accessory Packages		Multi-function handheld controller including 3-axis joystick for manual stage control.		Single or dual LCD flat panel display, keyboard and mouse
Measurement Software		Tangram metrology software		



Itaca FlexGauge C-Series

Itaca FlexGauge C-Series systems are rugged, adaptable, high accuracy, and appropriate for use on the shop floor. FlexGauge C-Series systems are capable of measuring medium to large size parts such as gears, valve bodies, turbine blades, shafts, CV joints and ballscrews. C-Series has the capability to accommodate very large parts of up to 3 meters.



		Standard		Optional
Travel (mm) (X,Y,Z)	Model			
	C35	350 x 200 x 250 mm		
	C35+	350 x 300 x 350 mm		
	C100	1000 x 300 x 350 mm		
	C150	1500 x 300 x 350 mm	2000 or 3000 mm extended X travel	
Stage Drive System		Compound X-Y stage and air bearing Z-axis stage with advanced DC Servo drive system on all axes		
Max Velocity		550 mm/sec		
Probe Configurations		Single TP20	Probe support arm configured for the application	TP200 Touch Probe
				SP25 Scanning Probe
				Star Probe
				Change Rack
Controller Accessory Packages		Multi-function handheld controller including 3-axis joystick for stage control.		Single or dual LCD flat panel display, keyboard and mouse
Measurement Software		Tangram metrology software		



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Itaca Metrology Solutions, based in Turin, Italy, specializes in flexible tactile dimensional measuring systems and software for applications requiring high precision and speed.

Itaca's FlexGauge line of programmable CNC-controlled coordinate measuring systems offers unique advantages in performance and cost of ownership, compared to custom hard gauging solutions.

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