

itaca

A Quality Vision International Company



ITACA FlexGauge C-35

High Accuracy Shop Floor 3D Gauging Solution

The Itaca FlexGauge offers an industrialized and rugged alternative to custom gauging solutions. C-Models are specially tailored for medium to large sized precision parts such as gears, valve bodies, turbine blades, shafts, racks and ballscrews.

With the stability of a granite support structure and Ceramic, Glass or Laser scales, FlexGauge C-Models are equally at home on the manufacturing floor or in the quality control laboratory.

- High Speed Probing
- Touch-Trigger or Scanning Probe
- Shop Floor Friendly with Built-In Thermal Compensation
- Flexible Software

	X	Y	Z
Travel (mm)	350	200	250



Metrology Software:

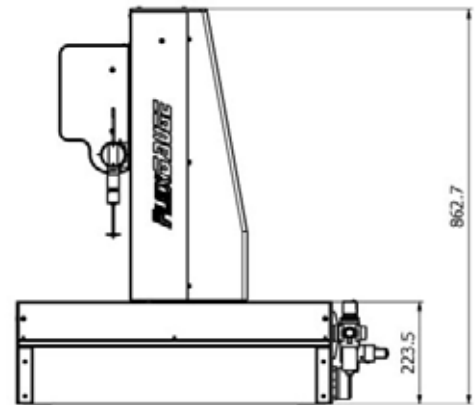
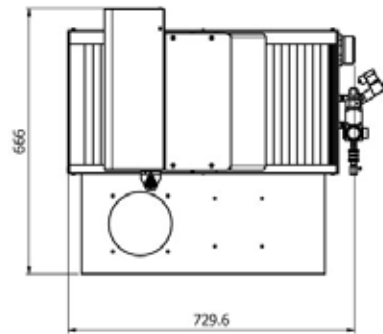
- ITACA TANGRAM

ITACA FlexGauge C-35

Uncrated: 130 kg
Crated: 195 kg
*System weight (without computer)

Available Optional Software Modules:

- SmartProfile
- Smart Report
- iGear



	Standard		Optional	
X,Y,Z Travel (mm)	350 x 200 x 250			
X,Y,Z Scale Resolution	0.5 μm		0.1 μm + temperature invariant	
Stage Drive System	DC Servo Drives XY&Z			
Max Velocity	700mm/sec			
Max Recommended Load	25 kg			
Probe Configurations	Single TP-20	Probe support arm - configured for the application	Dual Probe Arm	
			TP-200 Touch Probe	
			SP-25 Scanning Probe	
			Star Probe	
			Docking Station	
System Controller	Quad core processor, Windows® 7 Operating System and on-board networking and communication ports			
Controller Accessory Package	Multi-function hand controller including 3-axis joystick for manual stage control, with E-stop and start buttons.		Single LCD flat panel display, computer keyboard and mouse. Dual LCD flat panel displays, computer keyboard and mouse.	
Power Requirements	115/230 vac, 50/60 HZ 1-phase 700W			
Air Requirements	Clean, dry air at 5.52 bar per min, 4.05 SLPM flowrate			
Rated Environment ^{1,2,3}	Temperature 15-35°C, 30-80% humidity; vibration <0.0015g below 15Hz		15-40°C (4°C/hour rate of change)	
Accuracy (at 20°C)	MPE _e : 1.0 + L/300μm; Max: 1.5μm (with TP20); MPE _p : 1.2μm (with SP25)			
Notes: All specifications apply to a thermally stable machine and a certified artifact at 20°C and part compensation	1. Maximum rate of temperature change: 2° C/Hour 2. Maximum vertical temperature gradient: 1° C/Meter 3. Based on ISO 10360 Standards			

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