








OptiHite

1D Motorized Machine



-  **Motorised movement**
-  **Controller with graphic display**
-  **Ergonomic design of air bearing operation**
-  **Multiple reference points**
-  **Zero setting at any point**
-  **Passive temperature compensation**
-  **USB port for communication**

Measuring cycles

-  Contact above / below
-  Shaft above / below
-  Bore above / below
-  Groove & Ledge measurement
-  Squareness measurement
-  Parallelism measurement
-  Preset at any point
-  1 D Measurement
-  mm / inch conversion
-  500 step memory

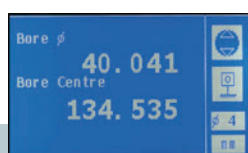
Specifications	OptiHite 450	OptiHite 600	OptiHite 1000
Measuring range	450 mm	600 mm	1000 mm
Expandable range	765 mm	915 mm	1315 mm
Resolution	0.005 / 0.001 / 0.0005 mm		
Repeatability (2 σ)	On Plane \leq 0.003 mm On Bore \leq 0.005 mm		
Max. Measurement speed	600 mm/sec		
Measuring force	1.2 N \pm 0.2		
Max. Permissible error *	3+L / 250 μ m (L= Length in mm)		
Squareness **	6.5 μ m	10 μ m	15 μ m
Air Cushion	Standard		
Operation time (battery)	16 hrs		
Operation temperature	10°C to 40°C		
Weight	22 kg	24 kg	28 kg
Standard probe	Carbide ball dia 6 X 48 mm		

* Values valid with standard ball probe at temperature 20°C \pm 0.5°C

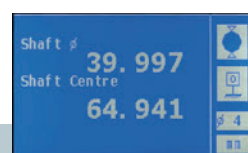
** With electronic probe Magnascan50



Groove measurement



Bore measurement



Shaft measurement



Above measurement