

Automatic concentricity and roundness
inspection system for ferrules and sleeves

MicroTest 21



Short information

- 100% quality security
- Mechanical check
- ± 0.15 microns accuracy,
repeatability
- Automatic quality selection
(4 groups)
- Average cycle time 10 seconds



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Technical data

Items:	MicroTest 21; automatic concentricity and roundness inspection system for ferrules and sleeves, including loading and unloading system
Resolution of concentricity inspection:	0.1 μm
Repeatability of test:	$\pm 0.15 \mu\text{m}$, general ($\pm 0.1 \mu\text{m}$ in temperature-controlled clean room)
Max. dimension of OD to be inspected:	3.2 mm
Max. concentricity (measured in 0.125 mm bore):	$\sim 20 \mu\text{m}$
Range of ID to be inspected:	0.11–3.0 mm
Max. length of the parts:	16.5 mm
Cycle time:	Average 10 s
Capacity of bowl feeder:	Depending on size of the parts to be checked (approx. 5000 ferrules for standard size)
Automatic part separation system:	Programmable for 3 tolerance ranges
Interface:	RS 232C
Electrical requirements:	100–120/220–240 V AC, 50/60 Hz
Compressed air requirements:	4 bar (60 psi)
Dimension (W×D×H):	550×570×800 mm (23×23×32")
Weight:	60 kg (100 lbs)
Performance:	Min. 1 h non-stop running without error