

CA3003 FerruleMaster Ferrule Auto Test Instruments

Technical Specification V1.00

April, 2010



 UC INSTRUMENTS CORP.

www.ucinstruments.com

CA3003 FerruleMaster Ferrule Auto Test Instrument

(Ver 1.00)

FerruleMaster could feed, focus, measure and classify the ferrules automatically. It could test over 1000 PCS ferrules in one hour, no laborer required.

Ferrule Master has the high performance and accuracy and high repeatability with the superior image processing. It is intelligent and easy to operate and maintain.

Clear user interface, easy to operate, stable performance and powerful analysis capability make the Ferrule Master is the best instrument in material inspection and mass production.

Features

1. High performance

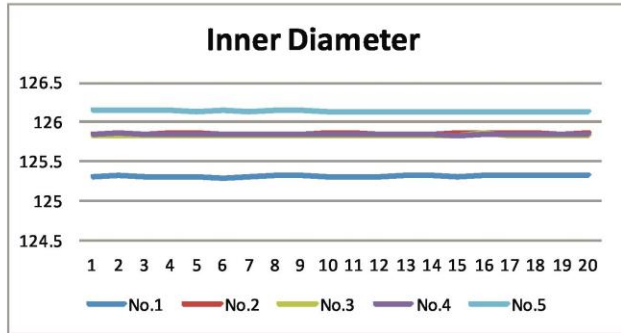
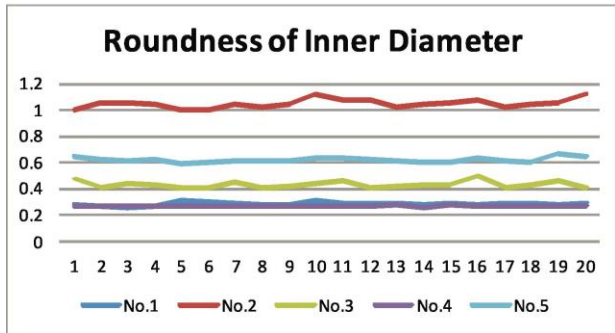
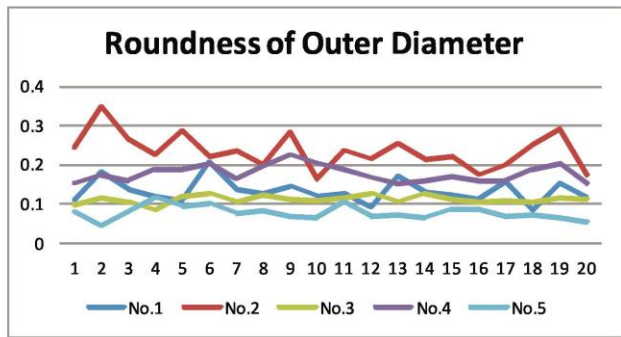
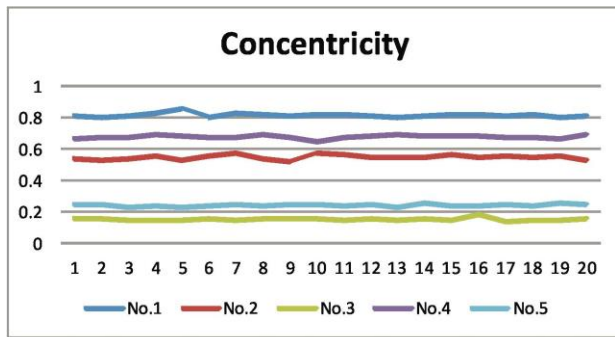
Ferrule Master could measure ferrules' concentricity, roundness of outer diameter, inner diameter, roundness of inner diameter and do the classification in one procedure with the efficient algorithm developed by

2. Accurate and high repeatability

The following charts and data are the test results of 5 PCS 2.5MM ferrules from the Ferrule Master .

UNIT: urn.

	Concentricity			Roundness of Outer Diameter			Inner Diameter			Roundness of Inner Diameter		
	Avg	Range	Stdev	Avg	Range	Stdev	Avg	Range	Stdev	Avg	Range	Stdev
No.1	0.814	0.057	0.012	0.132	0.120	0.030	125.315	0.050	0.011	0.286	0.048	0.012
No.2	0.548	0.053	0.015	0.234	0.185	0.045	125.857	0.024	0.007	1.049	0.122	0.034
No.3	0.152	0.044	0.009	0.112	0.043	0.010	125.827	0.042	0.009	0.433	0.087	0.024
No.4	0.679	0.044	0.011	0.178	0.071	0.021	125.848	0.020	0.005	0.270	0.012	0.003
No.5	0.243	0.028	0.007	0.078	0.073	0.017	126.140	0.024	0.007	0.620	0.081	0.019

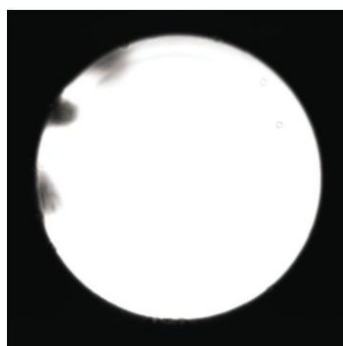


3. High efficiency

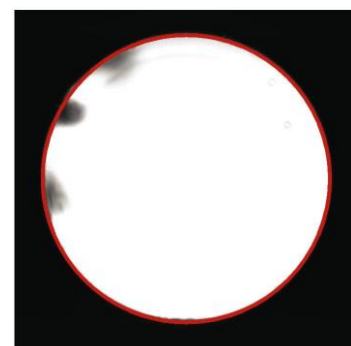
Ferrule Master is the fully automated instrument with the excellent UI and very easy to operate. It could check and classify over 1000 PCS one hour.

4. Intelligent

Ferrule Master could work well even if there are dirty spots on the ferrules.



**Spots clearing
Identify the core center**



5. Automated

Ferrule Master could feed, measure, check and classify automatically. It could test 1000 PCS ferrules in one hour, no laborer required.

6. Stable

Ferrule Master could get stable results even in the vibration of the environment with the Locked-in usb cable and excellent internal mechanical design.

Secifications:

Type	Ferrule Master
Measure Time	3.5S
Repeatability of Concentricity	±0.04um
Repeatability of O.R	±0.04um
Repeatability of I.D	±0.04um
Repeatability of I.R	±0.04um
Focus	Automatic
Applications	2.5mm ferrule 1.25mm ferrule
Power supply	DC 24V
Volume	42cm * 30cm * 40cm (L*W*H)

Contact Information

United States:

UC INSTRUMENTS CORP.

3652 Edison Way

Fremont, CA 94538, USA

Tel: 1-510-366-7353

Fax: 1-510-795-1795

www.ucinstruments.com

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