

View Engineering has been providing precision measurement systems and solutions for process control on the shop floor for more than 25 years.

Measure ferrules,
sleeves, couplings,
connector frames,
and assemblies



Ferrule Measurement System

Capabilities:

- Measures ferrules, sleeves, couplings, connector frames, and assemblies
- Inspection cycle for end-face measurements is approximately 4 seconds
- 125 nanometer repeatability or better on critical dimensions
- NIST-traceable calibration for both Pinnacle and ferrule components
- Provides true concentricity measurement, not run-out measurement common to techniques that rely on tracking ID motion as the ferrule is mechanically rotated
- Determines position of IDs with respect to specific features on non-circular ODs
- Characterizes IDs with non-circular and non-rectangular shapes
- Compatible with a wide variety of customer-driven part fixturing and automated part handling schemes
- Delivers 24/7 reliability
- Pinnacle systems have an MTBF > 8000 hours
- Windows® XP operating system; network compatible
- Icon-driven operator environment; allows one-click measurement program start-up
- Exports production statistics in a variety of file formats



Pinnacle™ Ferrule Measurement System

combines very high quality optics, lighting, image processing, and high-resolution stage motion to address production tolerances in the micron range.

Typical Measurement Results

Ferrules

MEASUREMENT	REPEATABILITY
ID	0.050 microns to 0.075 microns
ID Spacing	0.050 microns
OD	0.050 microns to 0.075 microns
Concentricity	0.075 microns to 0.125 microns
Length	0.5 microns
Funnel Depth	1.5 microns

Ferrule Couplings

MEASUREMENT	REPEATABILITY
Inside Width	0.080 microns
Inside Height	0.035 microns
Outside Width	0.050 microns
Outside Height	0.050 microns
Slot Height	0.050 microns

Ferrule Connector Frames

MEASUREMENT	REPEATABILITY
ID	0.050 microns
Height	0.050 microns

Bubble Ferrules

MEASUREMENT	REPEATABILITY
Diameters	0.4 microns
Funnel-to-Funnel	0.8 microns

NOTE: 1 micron = 0.001 mm

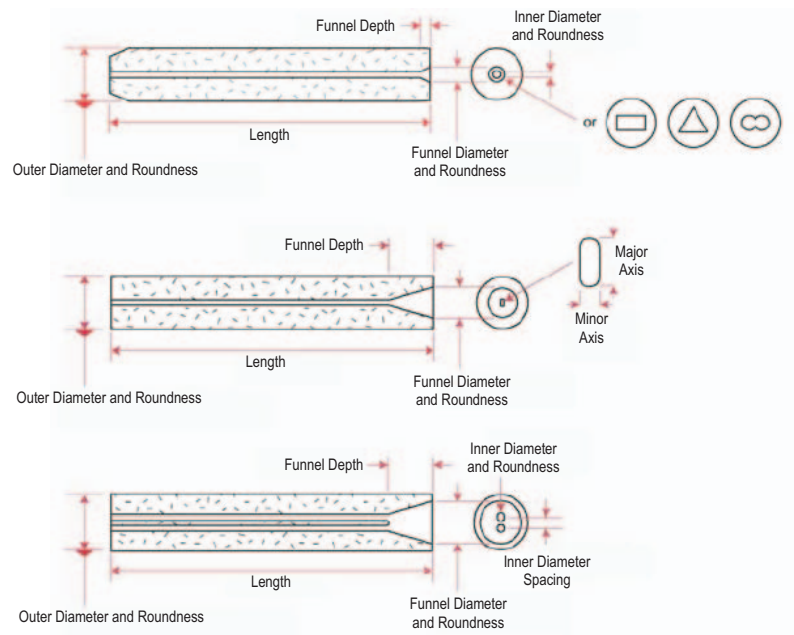
Send us your parts...
FREE capability analysis!

Send us your parts for a **FREE** capability analysis. We will quantify our performance on your sample parts.

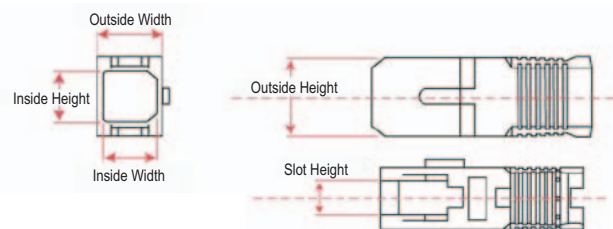
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Typical Parts

Ferrules



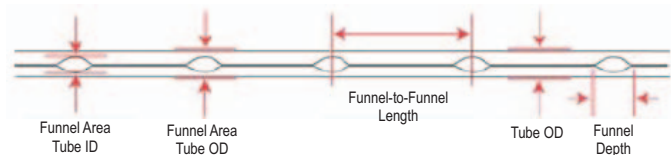
Ferrule Couplings



Ferrule Connector Frames



Unseparated Bubble Ferrules



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