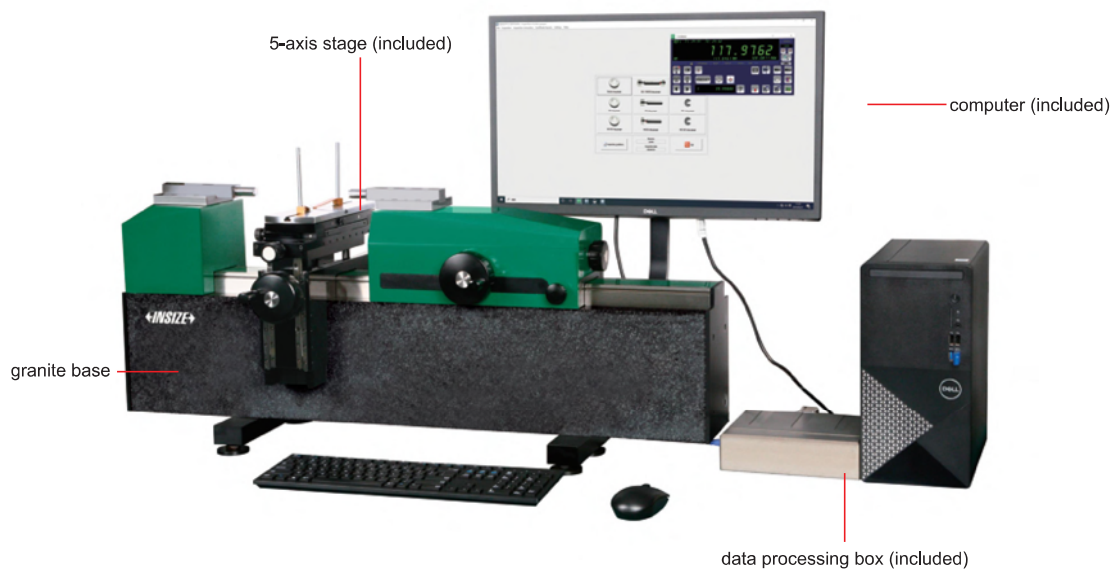


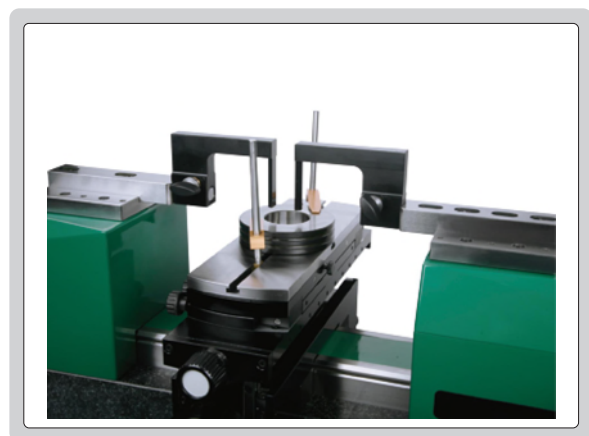
LENGTH MEASURING MACHINES



ISQ-ULM300-U

- High quality granite base ensures measurement stability and rigidity
- Measuring workpieces do not require pre-calibration with gauge blocks, and there is no transmission error
- The measuring force can be continuously adjusted
- Full range absolute measurement with high measurement efficiency
- The coaxiality of the anvils is extremely high, eliminating the need for repeated alignment
- 5-axis table can be moved freely in the direction of the guideway, locking

application example



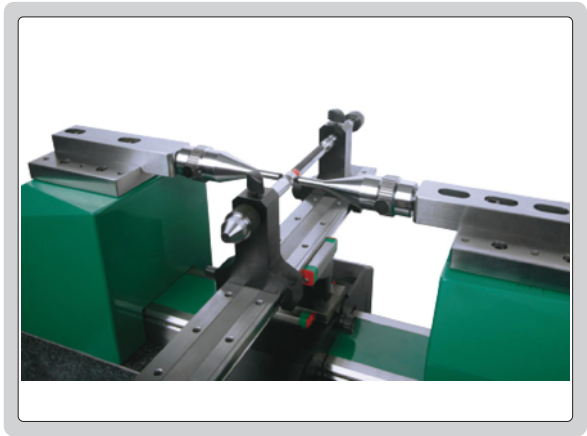
ring gauge measurement

application example



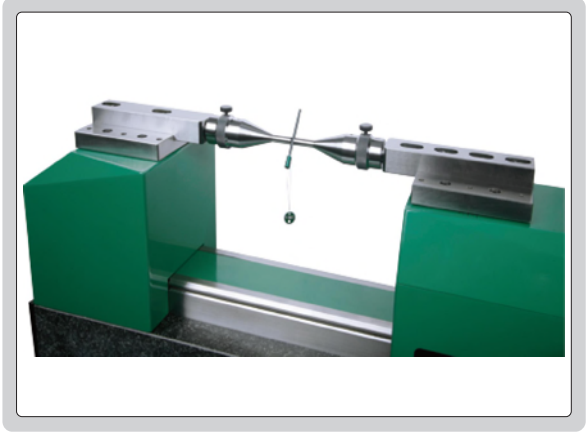
thread ring gauge measurement

application example



plug gauge measurement

application example



pin gauge measurement

SPECIFICATION

Part No.		ISQ-ULM300-U	ISQ-ULM500-U	ISQ-ULM1000-U	ISQ-ULM1500-U	ISQ-ULM2000-U	ISQ-ULM3000-U
Range	outside dimension	0~11.81inch	0~19.69inch	0~39.37inch	0~59.06inch	0~78.74inch	0~118.11inch
	inside dimension	.004~7.09inch	.004~14.96inch	.004~34.65inch	.004~54.33inch	.004~74.02inch	.004~113.39inch
Grating scale length		12.99inch	20.87inch	40.55inch	60.24inch	79.92inch	119.29inch
Resolution		0.4μin					
Accuracy		(5.91+L/1000)μin, (L is the measuring length in inch)					
Repeatability		(9.84+L/1000)μin, (L is the measuring length in inch)					
Measuring force		outside dimension: < 7.87μin, inside dimension: < 3.94μin					
Measuring force		0~12N, continuously adjustable					
Environmental requirement	temperature	66°F~70°F					
	humidity	40%~70%					
Calibration requirements		calibration temperature: 68°F±0.9°F, temperature change: ≤0.9°F/h; humidity: 50%±5%					
Power		110V, 50/60Hz					
Dimension (L×W×H)		38.66×11.42 ×16.73inch	45.16×11.42 ×16.73inch	64.84×11.42 ×16.73inch	84.53×11.42 ×16.73inch	107.76×11.42 ×16.73inch	147.24×11.42 ×16.73inch
Weight		287lb	397lb	573lb	684lb	1367lb	2029lb

STANDARD DELIVERY

Main unit	1pc
Computer	1pc
Software	1pc
Spring finger	1pc
5-axis stage (Max load 26.5lb)	1pc
Flat probes	2pc
Temperature compensation system	1pc

OPTIONAL ACCESSORY

Micrometer rod calibration measuring device	adjustable vertical bracket	ISQ-ULM300-DM-1	1 pc
	V-bracket	ISQ-ULM300-DM-2	2 pc
Plain ring gauge measuring device	electronic measuring arm	ISQ-ULM300-SR-1	1 set
	single ball head set (probes 0.1/1.0/2.5/5mm)	ISQ-ULM300-SR-2	1 set
	40mm ring gauge	ISQ-ULM300-SR-3	1 pc
	dual hook probes	ISQ-ULM300-SR-4	2 pc
Thread ring gauge measuring device	electronic measuring arm	ISQ-ULM300-SR-1	1 set
	T-probe set (probes 0.455/0.53/0.62/0.725/0.895/1.1/1.35/1.65/2.05/2.55/3.2/4.0mm)	ISQ-ULM300-TR-2	1 set
Plain plug gauge measuring device	plug gauge measuring stage	ISQ-ULM300-SP-1	1 pc
	knife edge probes	ISQ-ULM300-SP-2	2 pc
Thread plug gauge measuring device	3-wire set (Ø0.170/0.195/0.220/0.250/0.290/0.335/0.390/0.455/0.530/0.620/0.725/0.895/1.100/1.350/1.650/2.050/2.550/3.200mm)	ISQ-ULM300-TP-2	1 set
Gauge block measuring device	airey point bracket (100-300)mm	ISQ-ULM300-BM	1 pc
	10mm ball probe	ISQ-ULM300-FP	2 pc
Gauge block measuring device	airey point bracket (100-500)mm	ISQ-ULM500-BM	1 pc
	10mm ball probe	ISQ-ULM300-FP	2 pc
Gauge block measuring device	airey point bracket (100-1000)mm	ISQ-ULM1000-BM	1 pc
	10mm ball probe	ISQ-ULM300-FP	2 pc
OFFICE software		7313-OFFICE	1 set
5-axis stage (Max load 88lb)		ISQ-ULM300-FT	1 pc
Ring gauge holder (for ring gauges >3.94inch)		ISQ-ULM300-RG	1 pc

* Other measuring devices shall be consulted according to the requirements of specific measuring tools