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INS-800 Pad Surface & Groove Profiler

- The first inspection equipment of its kind in the industry
- A "must-have" high throughput metrology tool for pad manufacturers
- 2D and 3D imaging analysis
- Automatically inspect surface roughness, groove width, depth and pitch
- High speed (depending on measurement location and numbers)
- Simple to program and use
- Low cost



Specification

Manufacturer	Toho Engineering Co., Ltd.
Exclusive Agent	Araca, Inc. in North America, Europe and selected Asian countries(including Taiwan)
Measurement Capability	Groove width, depth and pitch Surface roughness
Configuration	INS-800 main body with 800 mm dia. platen Computer
Pad Size	Up to 780 mm in dia.
Resolution Capability	Depth direction – 0.005 mm Width direction – 0.02 mm (higher resolution, but longer measurement time) Width direction – 0.05 mm (lower resolution and shorter measurement time)
Tact Time	5 min per pad for 0.02 mm resolution 2 min per pad for 0.05 mm resolution
Measured Data Processing Time	About 5 min depending on number and position measured
Measurable Types of Grooves	Concentric (K-groove) Grid (XY-groove) Others (requires customized programming)
W × L × H	150 × 1200 × 1700 mm
Weight	400 kg (appx.)
Electrical	1P-100VAC
Options	Automatic groove deburring (with optional spindle unit) 3D imaging

