



2550 East River Road, Suite 12204, Tucson, AZ 85718 USA
 Email: araca@aracainc.com
 www.aracainc.com

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	Araca, Inc. through Toho Engineering Co., Ltd.
Capability	Measurement of groove width, depth and pitch; Measurement of surface roughness
Configuration	INS-800 main body Computer
Pad Size	Up to 780 mm in diameter (800 mm platen diameter)
Resolution Capability & Measurement Time	Depth direction 5 micron Width direction 20 micron (appx. 5 min per pad for 24 points) or 5 micron (appx. 2 min per pad for 24 points)
Measured Data Processing Time	About 5 min depending on number and position measured
Measurable Types of Grooves	Any and all groove designs so long as the coordinates of the design are known
W x L x H	1.5 x 1.2 x 1.7 m
Weight	Approximately 400 kg
Electrical	120 Volts AC – 2 Phase
Options	3D imaging analysis

