



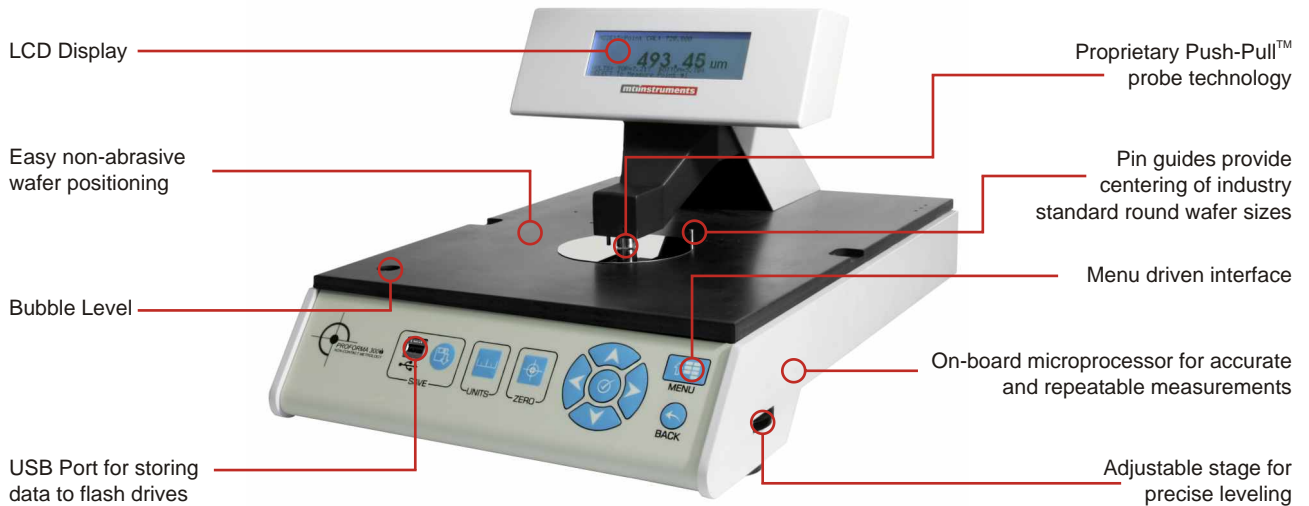
- 76-300 mm wafer diameters
- High-resolution LCD display
- Menu-driven for fast, easy setup
- 5-point, TTV and bow measurements
- Ethernet and RS232 computer interface
- Front USB interface for easy data storage
- Up to 1700μm measurement range

Wafer Measurement Systems for  
Semiconducting and Semi-insulating Wafers

*Cost-effective alternative to fully-automated wafer inspection systems*

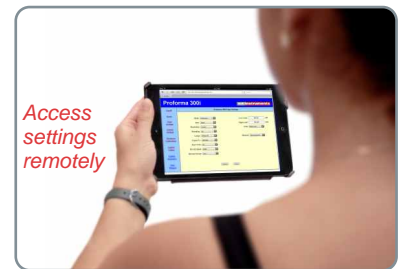
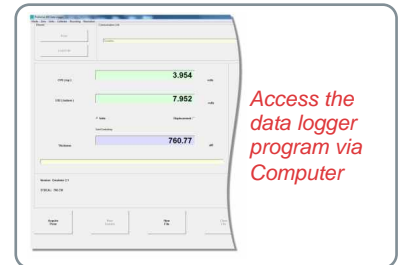
# Proforma™ 300i - Manual Wafer Measurement Tool

Using MTI's proprietary non-contact capacitance probes, the Proforma 300i is fast, accurate and reliable. The Proforma 300i is capable of measuring wafer up to 300mm in diameter for thickness, total thickness variation (TTV) and bow.



## Proforma™ 300i - Specifications

	Proforma 300i	Proforma 300Gi	Proforma 300 OEMi <sup>1</sup>
Accuracy <sup>2</sup> :		±0.25 µm	
Repeatability <sup>3</sup> :		±0.25 µm	
Resolution:		0.05 µm	
Electrical Input (Voltage):		100 to 240VAC	
Electrical Input (Frequency):		50 to 60Hz	
Electrical Input (Power):		50 Watts	
Temperature (Operational):		15 to 40°C	
Response Time:		60ms	Custom
Dimensions (LxWxH):		482x330x279 mm	483x388x89 mm
Data Interfaces		RS232, Ethernet, USB, LCD	RS232, Ethernet
Known Supported Materials <sup>4</sup> :			
Si	●	●	●
Ge	●	●	●
InP	●	●	●
GaAs		●	
Weight:	12.3 kg	12.4 kg	5.9 kg



**Optional**  
SEMI MF534-0707 Bow wafer ring.

Bow wafer ring not only allows for measurement of bow but also eliminates contact between the wafer and table, providing additional wafer protection.

<sup>1</sup> The OEM model consists of the acquisition system and probes only. As such, several parameters will be dependant on the custom installation parameters. Contact MTI Instruments to discuss custom applications and expected performance in these applications.

<sup>2</sup> At constant 22°C.

<sup>3</sup> Within limits of repositioning.

<sup>4</sup> The ability to measure can vary dependant on several factors (such as bulk resistivity).

### MTI Instruments, Inc.

325 Washington Avenue Extension

Albany, NY 12205-5505

PH: +1-518-218-2550

OR USA TOLL FREE: 1-800-342-2203

FAX: +1- 518-218-2506

EMAIL: sales@mtiinstruments.com

www.mtiinstruments.com

# mti instruments

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