CORNING



Corning Tropel Metrology Instruments

Corning Tropel manufactures a complete line of non-contact metrology instruments, that measure surface form for flatness, parallelism, height, depth or thickness, with sub-micron accuracy in just seconds. Tropel systems are designed to operate in a wide range of environments, from the shop floor to the QC lab. Whatever your application you'll find a system that is right for you.

Markets

Automotive
Display
Semiconductor
Hydraulics
Pnuematics
Data Storage

Precision Components

Compressor & Pumps

Disk Drive

Flat Panel Display

Fuel Cells

Fuel Injector

Fuel Pumps

Photomasks

Seal Faces

Thin Sheet & Cover Glass

Wafers



Tropel® FlatMaster® Systems

Part sizes from 5 mm to 500* mm



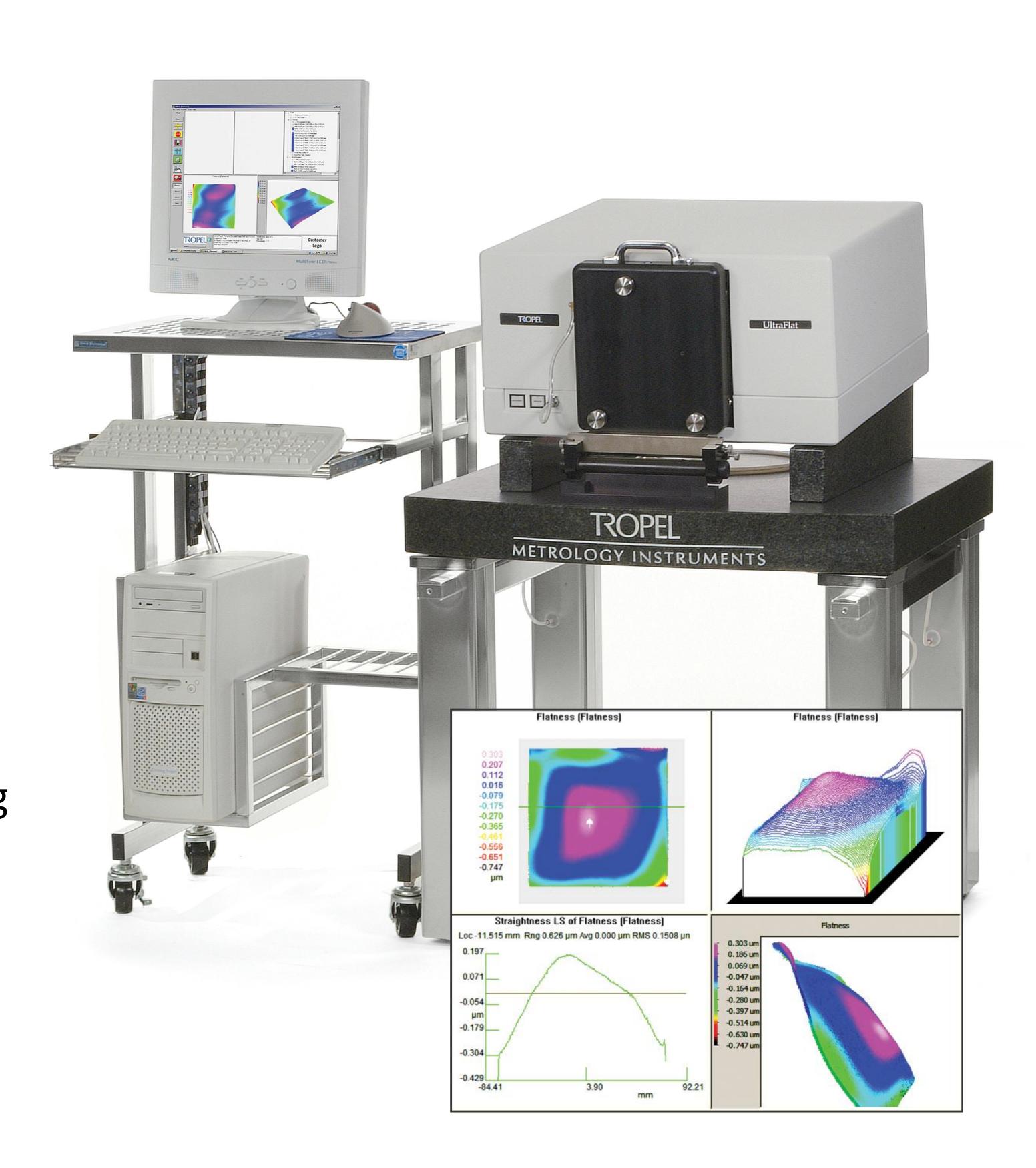
- Ground
- Lapped
- Polished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
- Flatness
- Line profiles
- Surface profiles
- Spherical radius
- NIST traceable standard included

*Stitching algorithm used for parts larger than 200 mm

Tropel® UltraFlat™ System

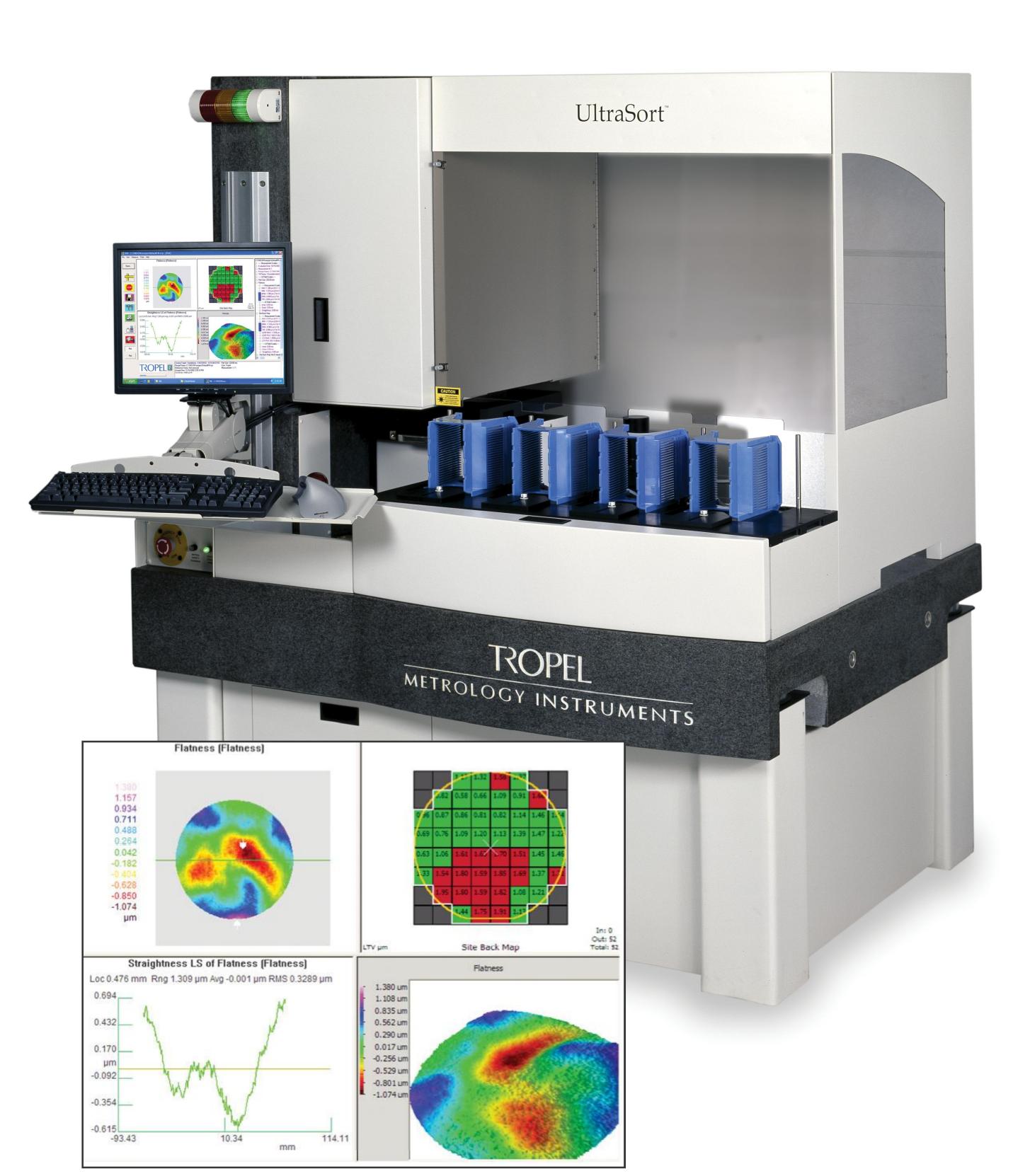
Photomask and photoblank sizes up to 150mm

- Photoblanks
- Photomasks
- Polished
- Coated
- Pre and post pellicle mount comparison
- 6025 & 5009 substrates
- Flatness
- Local slope
- Microwaviness
- Stress
- X-Y polyfit
- Robotic handling and Class 1 clean room options available



Tropel® UltraSort™ System

Wafer sizes from 50 mm to 200 mm



- Sawn
- Ground
- Lapped
- Polished
- Silicon
- Silicon Carbide
- Gallium Arsenide
- Gallium Nitride
- Gallium PhosphideIndium Phosphide
- Sapphire
- Germanium
- Lithium Niobate
- many others
- Wafer Parameters
- Bow/Warp
- Sag/SORI
- TTV/NTV
- Site Parameters
- LTV
- LDOF
- LTIR

Tropel® FlatMaster® MSP System

Part sizes up to 300 mm; step height/depth to 300 mm

- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glassmany others
- Flatness
- Parallelism
- Depth/height
- Line profile
- Surface profile

