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
- Pneumatics
- 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

*Tropl® FlatMaster® MSP System Part sizes up to 300 mm; step height/depth to 300 mm
- Saw
- Ground
- Lapped
- Polished
- Silicon
- Silicon Carbide
- Gallium Arsenide
- Gallium Nitride
- Gallium Phosphide
- Indium Phosphide
- Sapphire
- Germanium
- Lithium Niobate
- many others
- Wafer Parameters
  - Bow/Warp
  - Sag/SORI
  - TTV/NTV
- Site Parameters
  - LTV
  - LDOF
  - LTIR

**Tropel® UltraFlat™ System**
Photomask and photoblank sizes up to 150mm
- Photoblanks
- Photomasks
- Polished
- Coated
- Pre and post pellicle mount comparison
- 6025 & 9099 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
- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
- Flatness
- Parallelism
- Depth/height
- Line profile
- Surface profile

*Stitching algorithm used for parts larger than 200 mm

**Tropel® Flatsort™ System**
Part sizes up to 300 mm; step height/depth to 300 mm
- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
- Flatness
- Parallelism
- Depth/height
- Line profile
- Surface profile

**Tropel® Flatsort™ System**
Part sizes up to 300 mm; step height/depth to 300 mm
- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
- Flatness
- Parallelism
- Depth/height
- Line profile
- Surface profile

**Tropel® Flatsort™ System**
Part sizes up to 300 mm; step height/depth to 300 mm
- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
- Flatness
- Parallelism
- Depth/height
- Line profile
- Surface profile

**Tropel® Flatsort™ System**
Part sizes up to 300 mm; step height/depth to 300 mm
- Fine ground
- Lapped
- Polished
- Super-finished
- Metals
- Polymers
- Ceramics
- Composites
- Glass
- many others
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- Surface profile