

Order Entry Checklist

Please complete and submit to Veeco Metrology Group SBO (805-967-7717) or Tucson (520-294-1799) with *each* purchase order (can also be submitted with RFQ and information will be kept on file until PO is received).

Purchase Order # _____ Company Name _____

Does PO contain complete customer info, 'bill to/ship to' address, shipper info, accounts payable phone number _____

Tax Status: Non -Exempt _____ Exempt _____ Exempt Number _____

Customer Market Segment (select only one)

- GP Industry
- University
- Government
- Data Storage
- Semiconductor
- Telecom/Optics

Primary Application (select only one)

- Electronic Materials/Semiconductor
- Polymers
- Life Sciences
- Data Storage
- Opto/Telecom
- Optics
- Nanotechnology
- MEMS
- Electrochemistry
- Materials/Surface Science
- Parts/Accessories under \$10,000

Application Sub-category (one required, 3 possible; please number 1-3 in order of importance)

Electronic Materials / Semiconductors-Silicon

- Bare wafers
- CMP (waviness/planarity/erosion)
- Etch (step height/trench depth)
- Photolithography
- Tool characterization
- Photomask
- Stress
- Characterization lab
- Other

Electronic Materials / Semiconductors

- Semiconductors – compound
- Semiconductors – organic
- Conductive polymers
- Ferro and piezoelectric
- Dielectrics
- Conductors and metals
- Active devices
- Failure analysis
- Thin films
- Step heights
- Stress
- Other

Data Storage

- PTR
- Crown
- Active hard drive heads
- Hard drive heads/surface properties
- Tape heads
- Disks: morphology/tribology
- Magnetic media
- Other media
- MRAM
- CD/DVD
- Thin Films
- Step height/Trench Depth
- Other

Nanotechnology

- Lithography
- Manipulation (Organic/Inorganic)
- NEMS
- Other

Opto/Telecom

- Active devices (laser diodes, wave guides)
- Passive devices (fibers, filters)
- MEMS
- V-groove characterization
- Step height
- Stress
- Other

Life Sciences

- Living cells/cells/tissues
- Proteins
- DNA
- Membranes/pores/ion channels
- Supported bilayers/lipid structures
- Elasticity/compliance measurements
- Dynamic events (enzyme activity, change in protein conformation, cell pulsing)
- Intermolecular forces/adhesion forces/intramolecular forces
- Drug delivery
- Biomaterials: polymers/metals/ceramics
- Biomaterials: biocompatibility/biodegradation/implants
- Other

MEMS

- Step height/Trench depth
- Mechanical properties
- NEMS
- Other

Electrochemistry

- Battery research
- Electroplating
- Conducting polymer
- Corrosion
- CMP
- Underpotential deposition
- Adsorption phenomena
- Other

Optics

- Lenses (large)
- Lenses (small < 1 mm)
- Optical films/coatings
- Flat panel displays
- Other

Materials/Surface Science

- Atomic-scale analysis
- Ceramics
- Tribology/hardness/wear testing
- Thin films
- Step Height/Trench Depth
- Paints/coatings
- Other

Polymers

- Morphology/roughness/nanostructure
- Phase transition
- Compliance/adhesion/friction
- Semicrystalline polymers
- Conducting polymers
- Block copolymers
- Glassy polymers/rubbers
- Polymer blends
- Step height
- Other

Application Method (one required, 3 possible; please number 1-3 in order of importance)

- Stylus profiling (2D and 3D)
- Interferometry
- TappingMode AFM
- Contact Mode AFM
- PhaseImaging
- Fluid imaging
- Magnetic tapping
- Q Control
- Thermal

- Nanoindentation/nanowear
- MFM
- Applied magnetic force
- EFM, surface potential
- TUNA
- CAFM
- SSRM
- SCM
- Piezo response

- MSM
- HF MFM
- Electrochemistry
- Fast scanning
- Force curves
- PTR
- LZT
- LFM

- STM
- STS
- Nanolithography
- NSOM
- Custom methods
- Environmental: Temp control
- Environmental: Vacuum/hyperbaric/gaseous