COATER

- * Negative, Positive, SOG, Photo glass, Spray coater
- **❖** Smart servo motor and controller for spin
- **❖** Programmable moving dispense arm with 3 or more nozzle as 3/16", 1/4" and 3/8" OD tube
- ❖ Top and bottom EBR
- **❖** Catch Cup Rinse (CCR) & cleaning PR nozzle tips



VPO/HPO

- > Stack up and removable module
- ➤ Lifter programmable with / without VAC
- > Watlow PID temp. controller
- > RTD or TC Probe
- Second RTD probe for monitoring (optional)





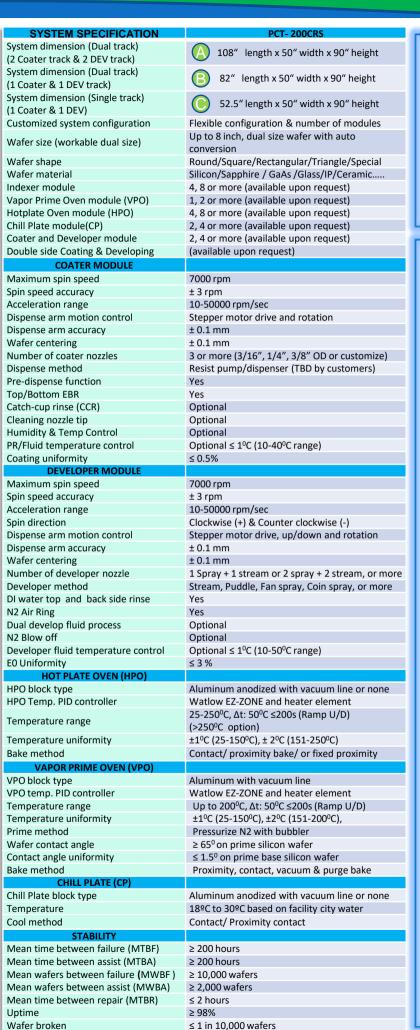












PCT-200CRS is the most advanced Coater and Developer tool set for Photolithography Process. Many features include face-lifting from Shuttle Robot Arm with dual or triple end-effector handlers. stacked up modules, PC & PLC controllers, and SECs/GEM compliance. The system is designed to focus on high-reliability, high-throughput, footprint reduction, user-friendly, flexible process flow, various interface tools, easy maintenance, conservation of chemical and energy efficient. Our tool set is cost effective for Ownership, Operation, Spare Parts and Services. Besides PCT-200CRS, we also carry other tool sets such as: PCT-

150CRS 6 inch, Scrubber, Lift-Off, Film Frame Cleaner, Mask Cleaner, and stand-alone Coater or Developer or Hot Plate. Please visit our web-site www.picotrack.com for more details.

SYSTEM DEVELOPMENT & CORE DESIGN

- 2011: Established R&D by engineering group
- 2012: Alpha Mode Development
- 2014: Beta Mode and production
- Designed concepts following USA standard system
- Standard or customize system configuration
- Feasible for negative, positive, SOG, and photo-glass process
- Application & manufacturing are based on Semi org. standard Using industrial proven brand name parts and devices
- Commercially available "off the shelf" component
- Compacted footprints and easy services
- Modular designed for easy access and maintenance
- High quality materials & good qualification
- Durable testing, debugging & fully functional testing program
- High performance spin servo motor and controller for expected coating thickness and uniformity control
- Enhanced spin catch cup for uniformity
- Clean Nozzle function programmable to minimize defects
- Upgrading wafer chuck to address unique process concerns
- Dual or triple end-effector to minimize Load/ Unload time
- Automatic conversion for dual size wafer with no required downtime for hardware changeover
- Multi-recipe line programs for process flow
- Optimized recipes to improve processing & wafer throughput
- Various tool sets are installed worldwide

SYSTEM FEATURES

- Windows OS based on PC / PLC controller with/without network connectivity
- Intuitive recipe generation & unlimited recipes storage
- History of system login & logout can be logged for recording &
- Daily data capture & report generation capability
- Traceable system: operation history, system wafers, system hours, operation wafers & operator error-free
- Production integrated recipe selection
- Paperless pass-down through e-log
- Production summary & lot history Comprehensive alarm management
- Teach-mode and calibration
- Single/continuous component exercise
- Unlimited recipes (advantageous feature for multiple users)
- Auto, single and manual process
- All sensor status display on monitor
- GUI display (available for bilingual)

OPTION ITEMS

- SECs/GEM Compatibility: SEMI International Standards E5-95 (SECS II), E30-95 (GEM) and E37-95 (HSMS) Chemical cabinets & canister auto-refill
- Waste Collection Unit
- Photo-resist pump & syringe dispenser unit
- Ultrasonic resist spray nozzle (spray coater)
- Ozone chamber process
- Function of auto-cleaning catch-cup & nozzle tip Fan filter unit (FFU)
- > Air-flow humidity & temperature control
- Liquid flow-rate & volume control
- Barcode scanner
- Wafer scanning sensor indexer
- > Interface aligner or stepper through-track mode

DEVELOPER MODULE SPRAY PROCESSING SHUTTLE ROBOT ARM

CUSTOMIZED FOREARM

DEVELOPER

- ❖ Negative, Positive, SOG, Photo glass... process
- Smart servo motor and controller for spin
- ❖ Spin direction: Clockwise & counter clockwise
- ❖ Programmable moving dispense arm with multi nozzle as stream and spray
- ❖ DI water for top rinse and back side rinse
- Fluid flow scale detection



SHUTTLE ROBOT ARM

- Smart precision servo and stepper motor control
- ❖ Dual or triple pick up arms with customized forearm for special wafer
- Optical wafer mapping sensor

CHEMICAL CABINET

- **❖** Auto or manual refill
- Full communication to system
- Sensors ensure safety and protection







PICOTRACK COMPANY

WWW.PICOTRACK.COM 309 Laurelwood Rd. #21 Santa Clara, CA 95054, USA Tel: +1(408) 988-7000 Fax: +1(408) 988-7091



PCT-200CRS (up to 8 inch wafer)
SINGLE TRACK SYSTEM
COATER & DEVELOPER

COATER/DEVELOPER TOOL SET



PCT-200CRS (up to 8 inch wafer)
DUAL TRACK SYSTEM
1 COATER TRACK & 1 DEVELOPER TRACK

COATER/DEVELOPER TOOL SET



PCT-200CRS (up to 8 inch wafer)

DUAL TRACK SYSTEM

2 COATER TRACK & 2 DEVELOPER TRACK

SATISFAGTION



