



Brooks On-Board[®] Upgrade for 3000 Systems

Turn-Key Upgrade Package:

Brooks offers a performance-enhancing, fully-integrated On-Board Cryopump upgrade solution for the Varian 3000 Series Sputtering System (3180, 3190, 3280, 3290):

- On-Board 8 Cryopump with FastRegen[™] replaces existing standard cryopump
- On-Board In-Situ Waterpump can be mounted at the Plenum, View-port or Etch chamber



Value Proposition:

Customers will see Increased System Availability enabled by significant reduction in chamber pump down time.



Brooks On-Board[®] Upgrade for 3000 Systems

Features

- Automated regenerations designed for faster, efficient regenerations
- High water pumping speeds
- Faster and improved automated regenerations
 - Full Regeneration = 3 hours
 - Fast Regeneration < 1 hour
- Fast Regenerations restores full capacity for process gases.
- GOLDLink[®] enabled
- Installed by experienced Brooks Engineers
- Backed by 1-800-FOR-GUTS[®]: 7x24x365 Technical Support

Benefits

- Achieves water vapor partial pressure as low as 3×10^{-9} Torr
- Faster chamber pumpdown times after atmospheric exposure
- Customer results, time to base pressure
 - 3180 System, viewport mount:
 - from 24 to 8.5 hours
 - 3190 System improvements:
 - from 23 to 5 hours (clean chamber)
 - from 23 to 9.5 hours (coated chamber)
- Increase sputter film quality