

NEW COATER/DEVELOPER UPGRADES

Spray nozzle upgrade for Polyimide developer systems -- INNOSPRAY --

- Fully integrated system
- Available for SÜSS and soon for TEL and DNS developers
- Main Features
 - o Fixed spray angle and defined drop size
 - o Easy mechanical adjustment of the nozzle
 - o Electromagnetic vaporization
 - o Minimal misting and overspray
 - o Monitoring and flow detection with alarm possible
- Cost reduction
 - o Spray solution is delivered to the target with minimal waste
 - o Reduction of developer consumption (up to 50% depends on actual system)
 - o Reduction of process time (depends on actual system)
 - o Reduced Extraction needed
 - o No N2 needed for Vaporization
 - o Only 1 nozzle for 4/5/8 inch. 12 inch 1 or 2 nozzles



Resist Pump Upgrade -- INNOPUMP --

- fully integrated
- available for SÜSS coaters
- main features
 - o compact pressure based dispense system used
 - o dispense resists with low and high viscosities
 - o high accuracy of +/-3%
 - o no mechanical parts for pump needed.
 - o low risk of bubbles
 - o flow rate and dispense volume is controlled by Inno Pump Microcontroller
 - o equipped with a flow sensor and bubble detection
 - o optional 1µm high viscosity filter after bottle
- benefits
 - o cost reduction: no waste of resist cause too much amount
 - o Quality: bubble detection.
 - o No rework cause to low amount of resist on wafer (flow detection)
 - o Data logger
 - o Less maintenance/low risk of producing bubbles: No mechanical parts of pump





Hotplate wafer tilt detection

- fully integrated
- available for SÜSS coaters and under development for others
- main features
 - o detects foreign material on the hotplates
 - o alarms if a wafer is not positioned correctly
- benefits
 - o less rework
 - o less scrap

Wafer edge detection

- fully integrated
- available for SÜSS coaters and under development for others
- main features
 - o Vision Sensor mounted on EBR arm.
 - o Wafer centering control before process
 - o Wafer edge control after coating and wafer edge removal
- benefits
 - o less rework
 - o less scrap

For enquiries, please feel free to email to us at
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