SEMATECH Outgas Testing Update

October 6, 2013
J. Sohn and D. Ashworth
Customer Resist Samples Tested in 2013

- Cumulative count of customer samples tested till each date is shown

- ROX support during EUVT re-certification

- ROX down (EUV source)

- ROX down / EUVT re-certification

- Cumulative No. of customer samples tested

Date

Cleanables Data Results

- Over 75% customer samples passed on cleanables
- 100% non-cleanable passed
SEMATECH Outgas Testing – Current Status

- ROX and EUVT tools are up and testing customer materials
  - ROX EUV source recovered WW28.
  - ASML re-certification of the EUVT tool in WW35 following POR excursions.

- Tool uptimes YTD:
  - EUVT 36%
  - ROX 51%
  - Supporting metrology tool uptime over >95%

- ROX e-beam certification is in progress

- EUVT wafer stage upgrade
  - Will be scheduled with supplier following performance evaluation.

- EUV evaluation on the EUVT tool has been put on hold until year-end to prioritize customer materials testing