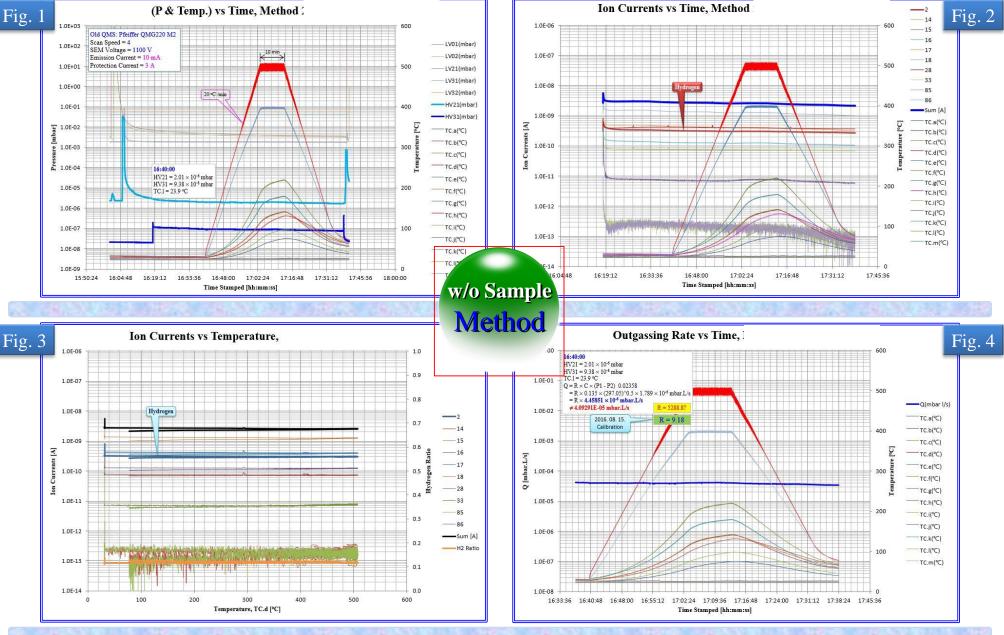
fTDS Analysis: Background

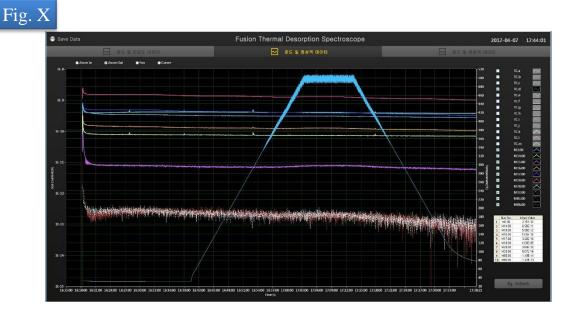


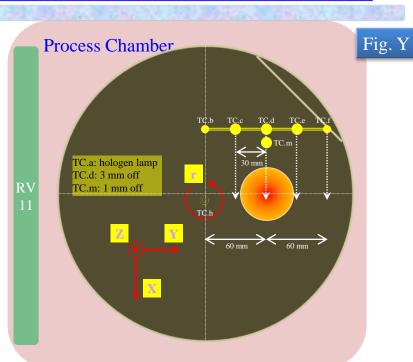
TDS Specification:

- Designed for Impurity Detection on 300 mm Wafer Sample Heating Modes; beam heater & lamp heaters
- Self-calibration Function
 - System Calibration Factor, R, determined every six months
 factor R experimentally set between method 1 & method 2
 currently R = 9.18

 - method 1; pumping speed not enough, calibration only
 method 2; default DAQ setting
 Loadlock System for Sample Loading
 Fully Automated with Mapping Function
 QMS
- - - 10 masses selected in DAQ
 - M/z outgassing rate: total outgassing rate \times ratio of M/z currents versus currents sum, Σ (1 amu ~ 200 amu)







fTDS Analysis: Wafer Sample



TDS Specification:

- Designed for Impurity Detection on 300 mm Wafer Sample Heating Modes; beam heater & lamp heaters
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