

prepFAST SPV

Automated Analysis of
Semiconductor Chemicals from
Large-volume Primary Vessels



Direct Sampling from Primary Vessels

- Eliminate pouring chemicals into and cleaning smaller vessels
 - Improve data quality and reduce re-runs
 - Increase safety by minimizing contact with hazardous chemicals
- Accommodate bottles 1 mL to >4 L

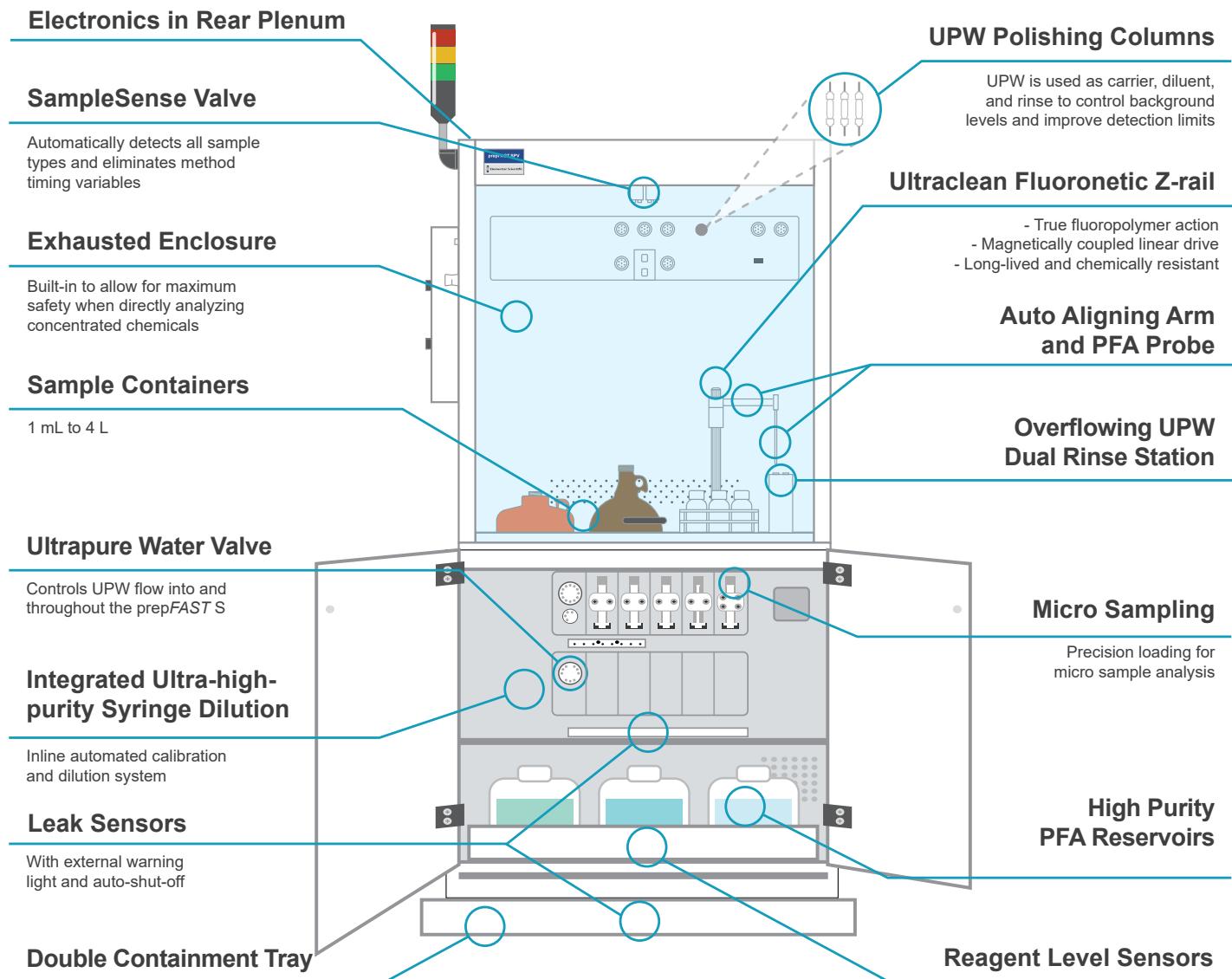
Semiconductor Prep and Analysis

- Sub-ppt analysis of semiconductor chemicals
 - Acids (H_2SO_4 , H_3PO_4 , HNO_3 , HF, HCl, H_2O_2)
 - Organic Solvents (IPA, PGMEA/PGME, Photoresist, NMP, Butyl Acetate)
 - Bases (NH_4OH , TMAH, KOH)
 - And much more
- Inline sample dilution by weight and volume
- Inline external or MSA calibration preparation
- Automatic ICPMS tuning
- SampleSense optical-loading technology
 - Removes method timers
 - Accounts for chemical viscosity differences

Contamination-Free

- Metal-free enclosure with ULPAClean 10 provides cleanroom environment
- Acid-inert sample flow path and chemically-resistant Fluoronetic autosampler

prepFAST SPV Features Diagram



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