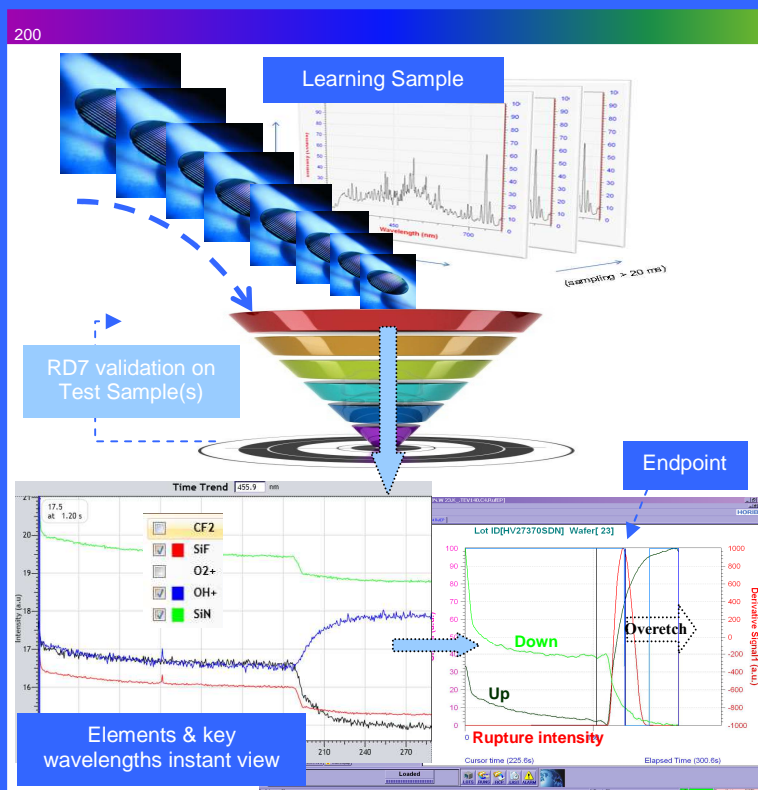


Automatic OES Endpoint Engineering Software: Dry Etch, Cleaning, PECVD



• Give Better Life to Process Engineer!

- Plasma information is complex...
- Recipe Designer 7 highlights Endpoint
- Desktop software: build your recipe out of clean room



• Engineering Toolbox for Plasma analysis

- Process understanding [Learning Sample(s)]
- Process development
- Instant Plasma Elements & by-Products Time Trend view
- Automatic key Endpoint wavelength(s) extraction

• Production Endpoint Recipe

- Semi-Automatic Endpoint Recipe creation
- Endpoint validation [Tests sample(s)]

And more: Reprocessing, Signal Treatment, Statistics, Multi-Runs Viewer

November 2013

New

Recipe Designer 7 Software

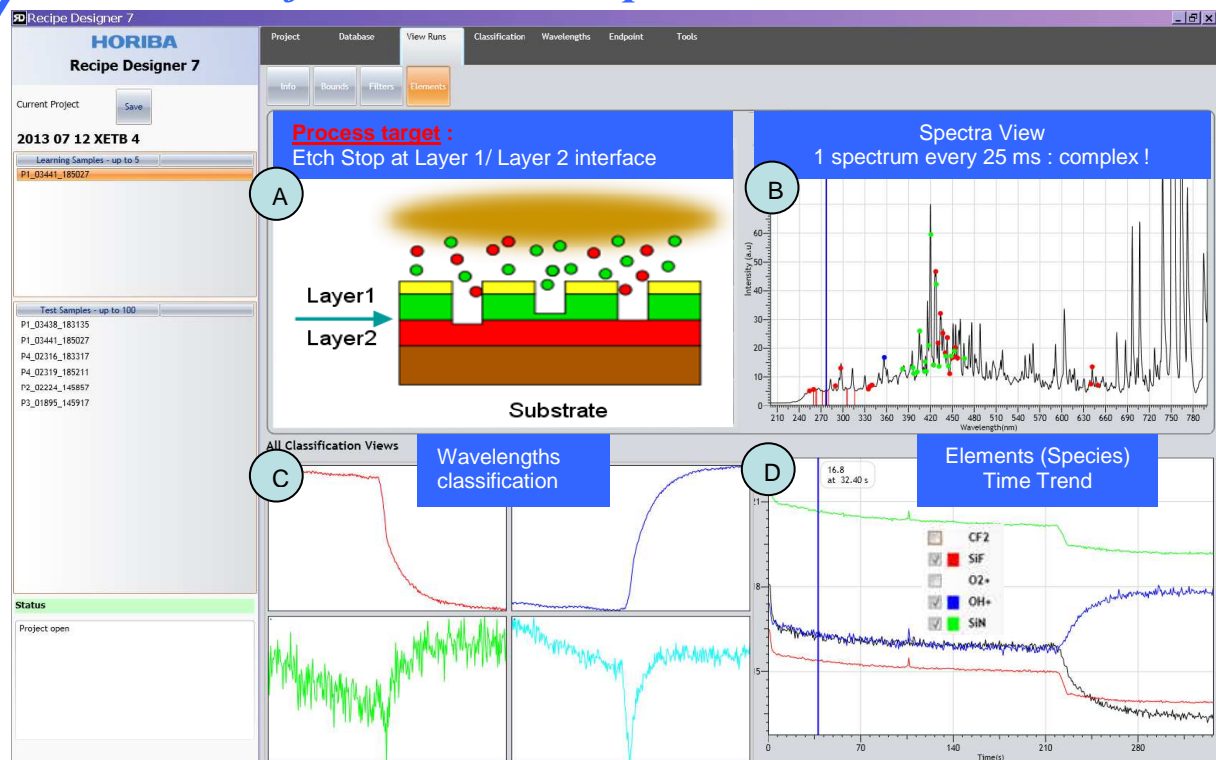
With Recipe Designer 7 (RD7) Evolution, OES Endpoint and Plasma Monitoring is made easy!



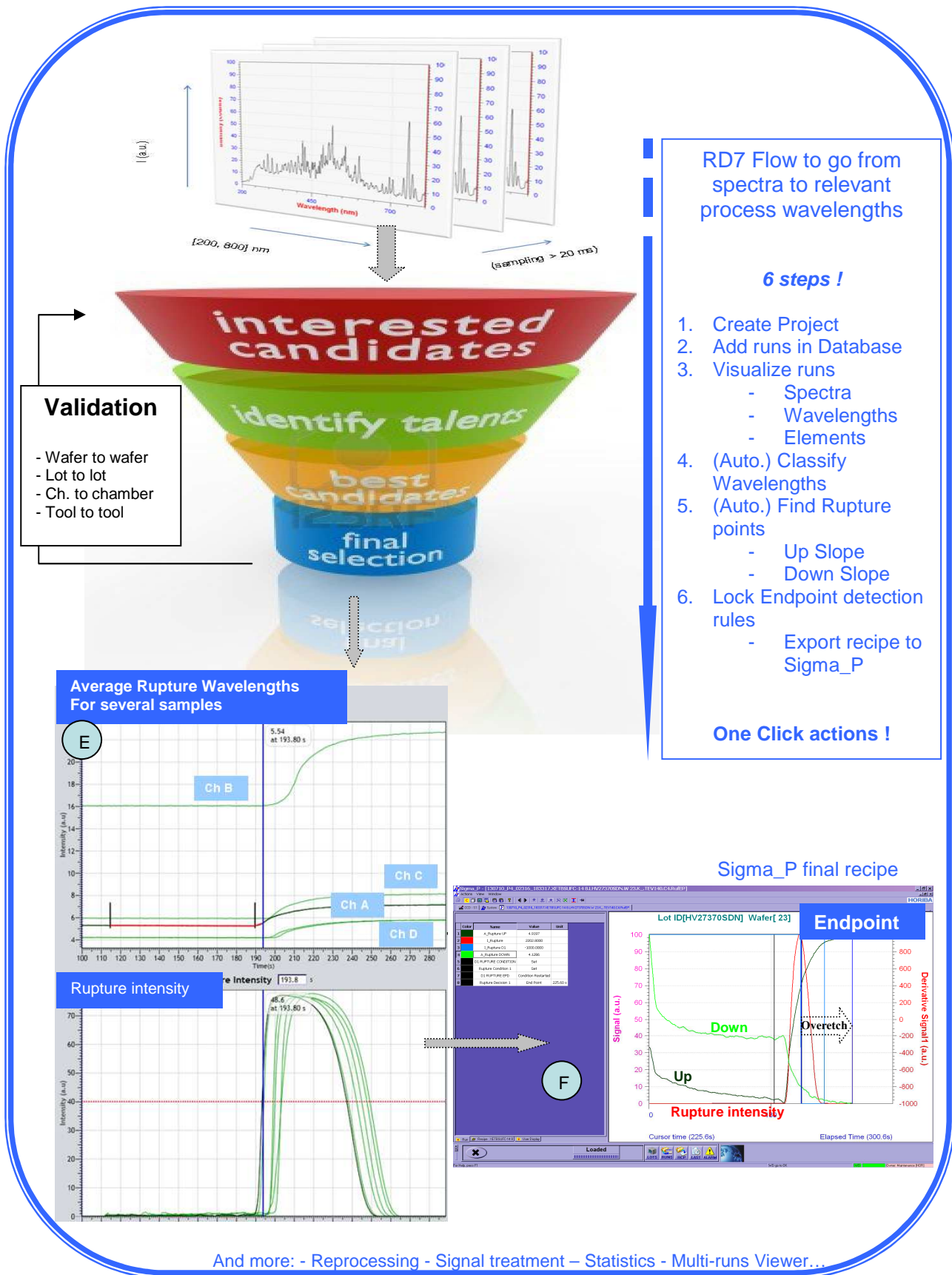
- Dedicated to Process Engineer to develop and stabilize processes
- Unique Stand-alone Mathematical Software to plug in high-grade Real-time Sigma_P software within EV-140 products
- EV-140 already contains full package for:
 - R&D Plasma Monitoring
 - Production
 - Single chamber & Cluster Tool
 - Automation inside Fab's, Etching Tools
- NOW, with Recipe Designer 7, EV-140 contains full package for IMMEDIATE ENGINEERING and PROCESS DEVELOPMENT:
 - Quick Highlight of relevant wavelengths or species kinetics
 - (quite) Automatic creation of Endpoint and Monitoring recipes
 - Spectra import from Sigma_P & Endpoint recipe export to Sigma_P
- Developed with new technologies. Win 7 compliant



Plasma Information is complex, RD7 makes it clear !



Immediate relevant Elements/Wavelengths time trend view



RD7 is compatible with:

- previous products like PlasmaScope, DigiCPM, DigiCPM_J, MultiCPM
- EV-140 C, EV1000
- Other spectra formats on demand

Eric BLUEM, PhD, Dry Etch Process Control - R&D, Applications Engineer
 HORIBA Jobin Yvon S.A.S.16-18, rue du Canal - 91165 Longjumeau cedex - France

For additional information, please contact: eric.bluem@horiba.com