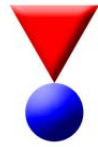


Probe Software

Probe Software, Inc.
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(541) 343-3400
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www.probesoftware.com



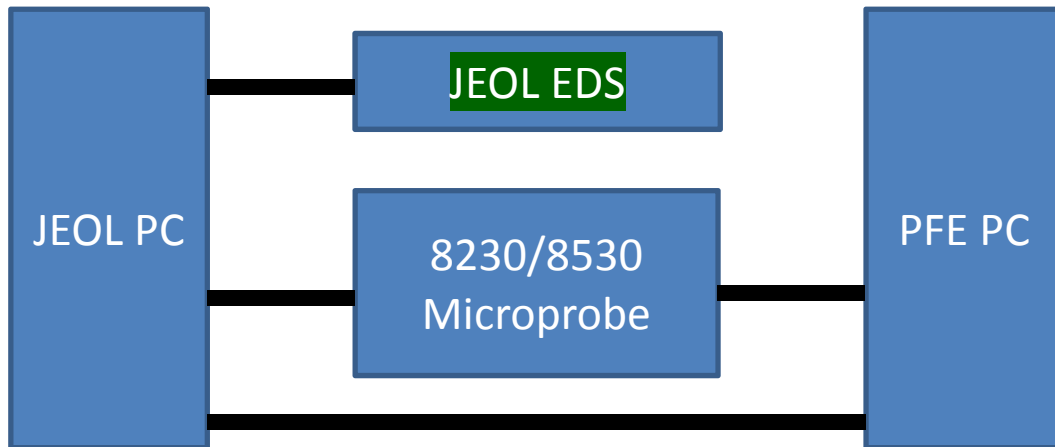
Software for MicroAnalysis

Probe for EPMA

Probe Image

PictureSnapApp

Our Probe for EPMA software now provides complete EDS-WDS integrated quantification with the JEOL (OEM) EDS spectrometer! Both the JEOL PC-SEM and Probe for EPMA software are connected and communicating together at the same time.



Easily and simultaneously acquire WDS elements and EDS full spectra for complete integrated quantification using Probe for EPMA. Standards based, background, matrix and interference corrections included. For example, Si and Ca by WDS and Fe, Mg and Al by EDS shown here:

St 162 Set 5 NBS K-411 mineral glass, Results in Elemental Weight Percents

| | | | | | | | | |
|-------|--------|--------|--------|-------|--------|------|--------|---------|
| ELEM: | Si | Ca | Fe | Mg | Al | Mn | O | |
| TYPE: | ANAL | ANAL | ANAL | ANAL | ANAL | SPEC | SPEC | |
| BGDS: | LIN | LIN | EDS | EDS | EDS | | | |
| TIME: | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | --- | --- | |
| BEAM: | 30.01 | 30.01 | 30.01 | 30.01 | 30.01 | --- | --- | |
| ELEM: | Si | Ca | Fe | Mg | Al | Mn | O | SUM |
| 29 | 25.602 | 11.248 | 11.468 | 8.688 | .072 | .077 | 43.558 | 100.714 |
| 30 | 25.152 | 11.091 | 12.316 | 8.571 | .001 | .077 | 43.558 | 100.766 |
| AVER: | 25.377 | 11.170 | 11.892 | 8.630 | .036 | .077 | 43.558 | 100.740 |
| SDEV: | .319 | .111 | .600 | .083 | .050 | .000 | .000 | .037 |
| SERR: | .225 | .079 | .424 | .059 | .036 | .000 | .000 | |
| %RSD: | 1.26 | 1.00 | 5.04 | .96 | 138.68 | .00 | .00 | |
| PUBL: | 25.382 | 11.057 | 11.209 | 8.847 | .053 | .077 | 43.558 | 100.183 |
| %VAR: | -.02 | 1.02 | 6.10 | -2.45 | -31.64 | .00 | .00 | |
| DIFF: | -.005 | .113 | .683 | -.217 | -.017 | .000 | .000 | |
| STDS: | 160 | 160 | 160 | 160 | 160 | --- | --- | |

Perform simultaneous EDS quantification on your major elements, and WDS quantification of minor and/or trace elements easily using PFE and your EDS hardware!

Contact: John Donovan, donovan@probesoftware.com or call (541) 343-3400 for more information.