

Avizo Trueput Software for Battery Quality

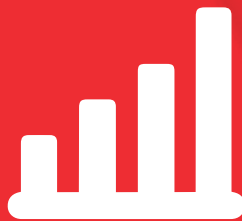
Turn your SEM into an automated solution
for battery QA/QC

Thermo Scientific™ Avizo™ Trueput Software for Battery Quality transforms your scanning electron microscope into a specialized battery quality analysis solution, helping you maximize efficiency, maintain quality standards, and achieve operational excellence.

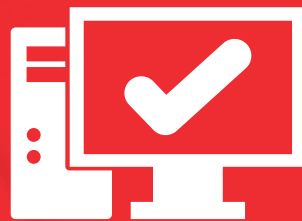
The software automates quality analysis by converting SEM images into pass/fail reports in just three simple steps:



Acquire images
using your SEM

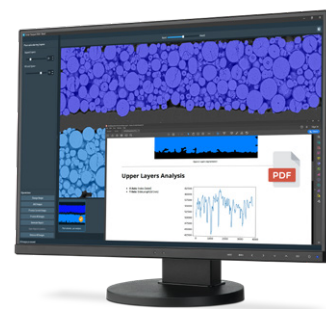


Choose analysis for
automated inspection

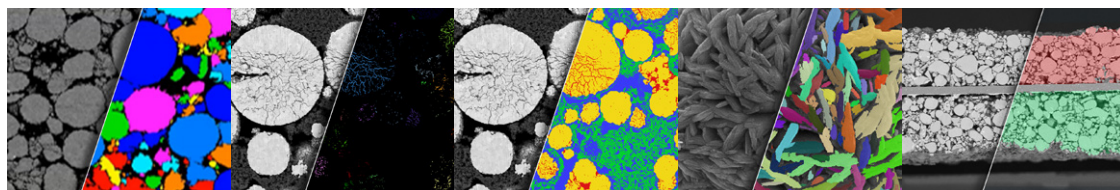


Generate your inspection
report with a single click

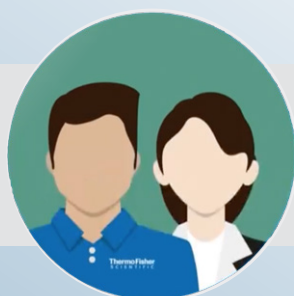
Automated battery quality inspection reports



Avizo Trueput Software gives you access to a growing catalog of automated pass/fail reports.

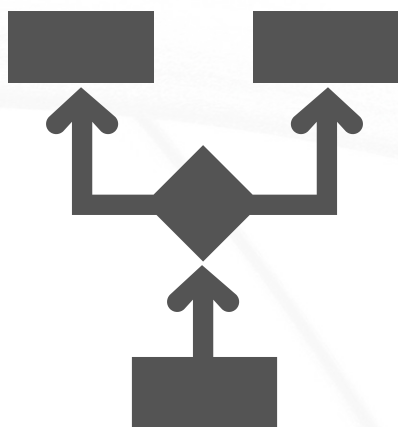


	Particle size distribution	Cracked particle detection	Particle/binder/void/crack analysis	Precursor primary structure analysis	Post-calandaring layers
Identified features	Particles	Particles, cracks within particles	Particles, binder, voids, cracks within particles	Primary particles in precursor	Layer of active material
Sample preparation	Carbon tape or electrode surface	Carbon tape or electrode surface	Electrode surface	Carbon tape	Electrode surface
Reported information	Particle size distribution compliance, packing factor	Number of cracked particles, crack size analysis, compliance	Phase area fraction	Primary particle size distribution and orientation	Active material layer thickness
Where to use it	Materials acceptance, tape manufacturing	Materials acceptance, tape manufacturing	After calendaring, after cycling	Materials acceptance, prior to particles curing	After calendaring
Benefit	Optimize cell energy density by achieving target packing factor	Optimize battery cyclability and reduce operational costs	Optimize battery cyclability and energy density	Optimize curing operational costs	Optimize energy density and calendaring operational costs

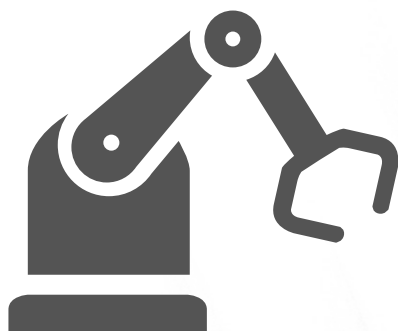


If you need a specialized, automated inspection to tackle your specific challenges, our experts can tailor a solution to your needs.

Unlock the benefits of Avizo Trueput Software



- **Reproducible data interpretation**
Transfer the protocol to new operators at different sites



- **Consistent, reliable automation**
Reduce cost per analysis and use your engineering time for more valuable tasks



- **Self-evident pass/fail reports**
One clear answer, and all the data to support it

Learn more at thermofisher.com/avizo-trueput

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