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# Thermo Fisher introduces AI powered analysis software

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**AI-powered software helps scientists quickly and accurately extract data from their electron microscopy images**



Thermo Fisher Scientific has introduced the Thermo Scientific Avizo2D software, an AI-powered automated imaging and analysis software designed to help materials and life science researchers acquire fast and accurate statistics from their electron microscopy (EM) images without extensive image processing expertise.

The new software, unveiled at Microscopy and Microanalysis 2019, allows scientists to build customized "recipes" or automated, reproducible workflow scripts that speed up their image analyses.

The software combines deep learning models, advanced image processing technology, and modules using Python scripts and scientific tools to help researchers seamlessly analyze their EM images.

Dozens of pre-defined recipes from the Amira-Avizo Online Recipe Library can be directly used as workflow scripts or customized to meet researchers' specific analysis needs.

Scientists can also combine Avizo2D with Thermo Fisher Scientific's MAPS Software, allowing them to optimize the instrument usage time and obtain instant feedback and an additional layer of understanding while the data is being collected.

Avizo2D software will be commercially available starting in the fourth quarter of 2019.