

# Unleash your imaging workflows

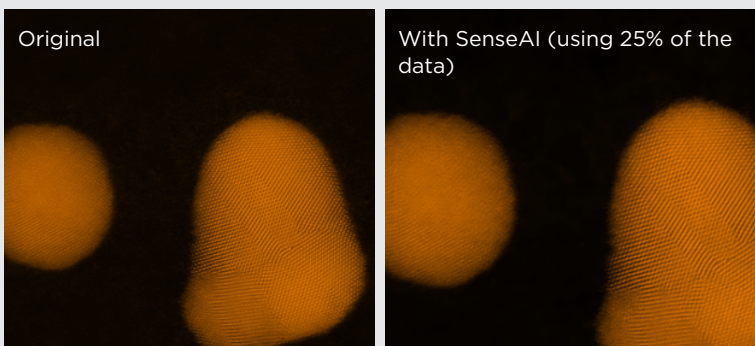
10x Faster, 10x Less Data,  
10x Less Dose

SenseAI easily plugs into your set-up (whether old or new) for faster acquisition, reduced beam dose & enhanced image quality.

Our compressed sensing workflows supercharge your imaging processes, both during and post acquisition.

## Works with...

S/TEM for 4D STEM, 2D STEM, In Situ & TEM | SEM for vEM & EBSD | Spectroscopy for EDS & EELS | Light Microscopy



## 10x Faster

Analyse images in real time. Make a slow set-up fast, and a fast set-up even faster.



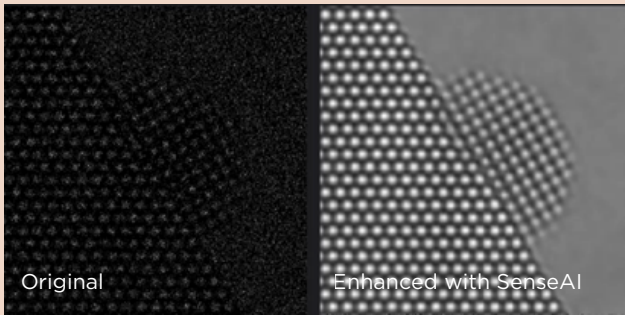
## 10x Less dose

Image at previously unachievable low doses to preserve sample integrity.



## 10x Less data

Save time and budget storing and handling the data required.



## Advanced clean-up with SenseAI

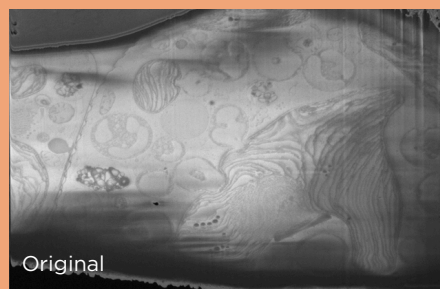
### *Enhance*

SenseAI 'Enhance' cleans up images by denoising, deblurring and enhancing features - after their acquisition.

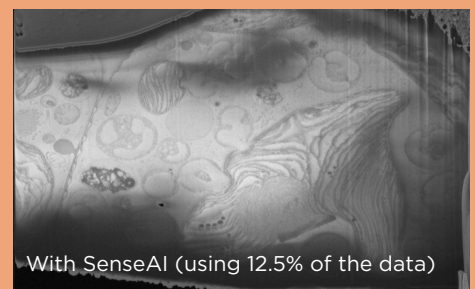
Our products

SenseAI 'Accelerate' uses compressed sensing to generate high-quality images from only a fraction of the original pixels - up to 10x faster, 10x less dose & 10x less data.

## Speed up & improve acquisition with SenseAI *Accelerate*



Original



With SenseAI (using 12.5% of the data)

"We're able to see 4D STEM images live and make adjustments on the fly. Subsampling using just 10% or less of the original data means we can easily handle all of the required information using a lot less storage and budget."

Dr Giuseppe Nicotra, Head of Sub-Ångstrom Electron Microscope LAB at CNR-IMM

"With SenseAI, I'm essentially working four or five times faster than I can otherwise. So the time required to complete an entire volume is significantly reduced, which is less stressful on the instrument, less stressful on the operator, and generates much higher success rates."

Professor Roland Fleck, Director of Centre for Ultrastructural Imaging, Kings College London

**senseai**  
VISION

Arrange a free demo  
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[info@senseai.vision](mailto:info@senseai.vision)