

Image-Pro[®] AI

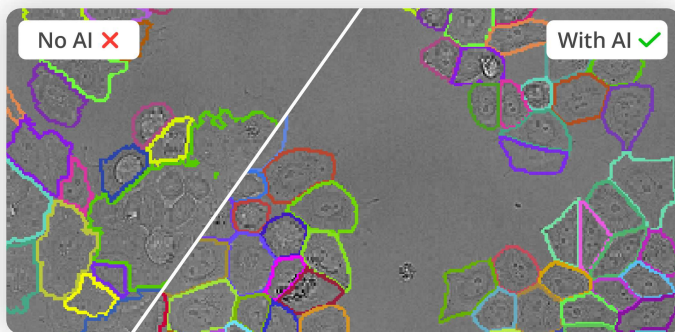
AI Deep Learning

Remarkably Accurate. Delightfully Efficient.

Efficient AI-powered analysis designed specifically for analysts that need rapid, trusted results.

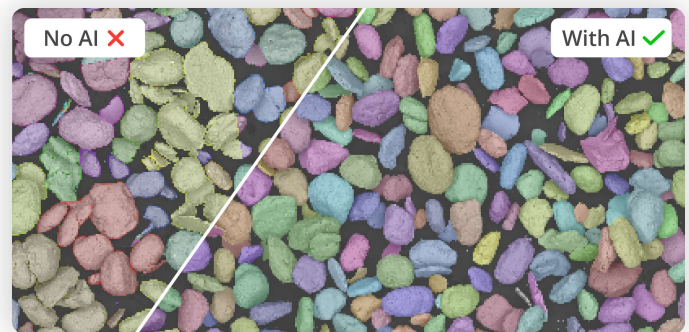
Segment anything

with remarkable and dependable accuracy over other techniques.



Overcome low contrast

Unhindered by clumping or unclear edges



Handle intricate detail

Unhindered by touching or overlapping objects



Superior outline accuracy

Even the most complicated edges can be traced with high quality. AI Models work similar to the human brain, finding objects undeterred by dim, complex edges.



User-friendly operation

AI Deep Learning Segmentation requires minimal input to operate efficiently. Simple controls, limited options, and fast prediction results.



Secure & confidential

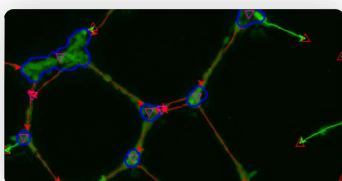
No uploading or downloading required. Save time and avoid sharing your data on unsecure company servers. All operations are on-device.



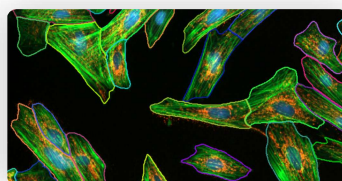
Protocol-ready

Integrate Deep Learning Segmentation accuracy into an automated workflow by saving an Analysis Protocol with a custom or pre-trained model.

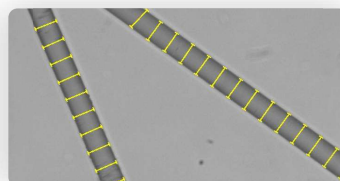
Pre-trained solutions make analysis easy



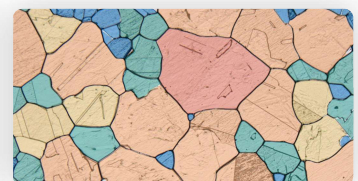
Angiogenesis (Tube Formation)



Cell Morphology



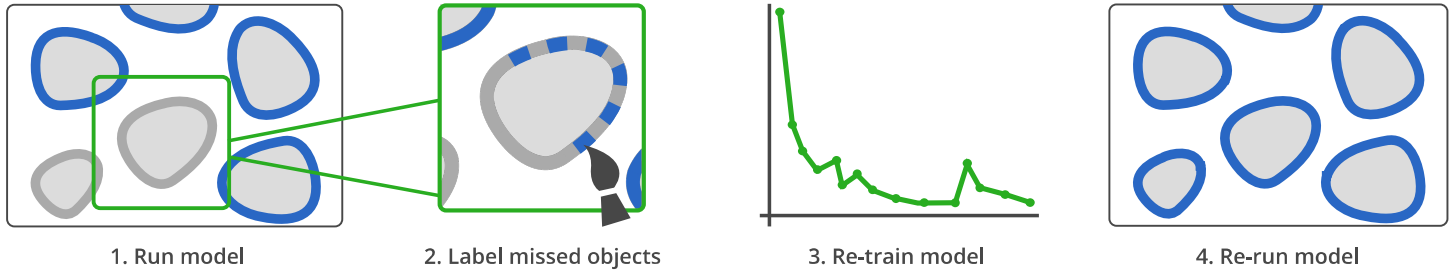
Fiber Thickness



Grain Size (ASTM E112 Segmentation Method)

Fine-tune any Pre-Trained Model for your image

When a model misses a few objects of interest, simple "human-in-the-loop" training can be used.

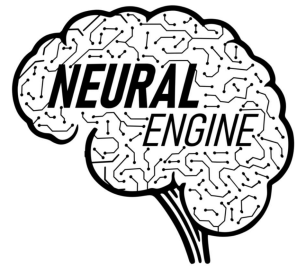


Made possible with cutting-edge technology

Harness next generation Deep Learning technology to unlock image segmentation accuracy that you never thought possible!

The Image-Pro Neural Engine™ is installed on-device to leverage Convolutional Neural Networks (CNNs) at scale, using a single intuitive user interface for model Prediction, Fine-tuning, and Training.

With a single platform, nearly any Neural Network can be added to bring the latest Deep Learning capabilities to Image-Pro. The current architectures available include: CellPose, StarDist, and BaseUNET.



What our customers have to say

“

The AI Deep Learning segmentation function provides an extremely flexible and efficient tool to segment features for sizing and counting. A variety of pre-trained models provide a solid foundation to build upon and modify to tailor your individual challenges. AI Deep Learning segmentation has greatly improved my efficiency with remarkable performance.

Dale K. Purcell, PhD

President at Chemical Microscopy LLC

TRUSTED BY COMPANIES AROUND THE WORLD



Like what you see?

Schedule a demo with an imaging expert.

