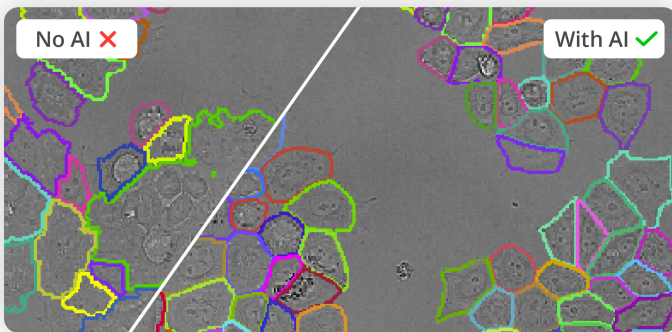# Image-Pro® AI

AI Deep Learning

Remarkably Accurate. Delightfully Efficient.

MEDIA CYBERNETICS

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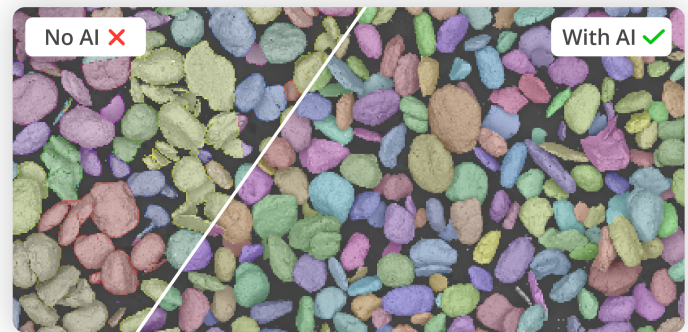
Segment anything

with remarkable and dependable accuracy over other techniques.

No AI ✕   With AI ✓

Overcome low contrast
Unhindered by clumping or unclear edges

No AI ✕   With AI ✓

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.
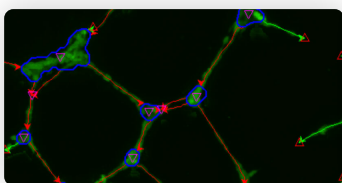
Secure & confidential

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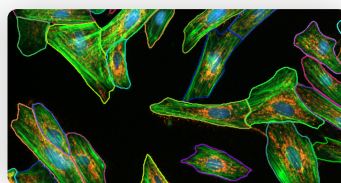
Protocol-ready

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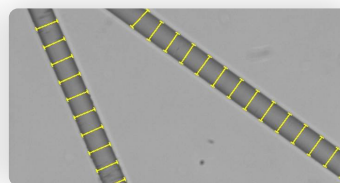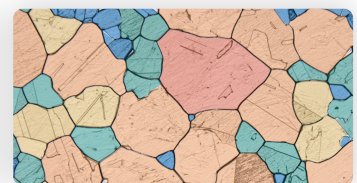
Pre-trained solutions make analysis easy

Angiogenesis (Tube Formation)
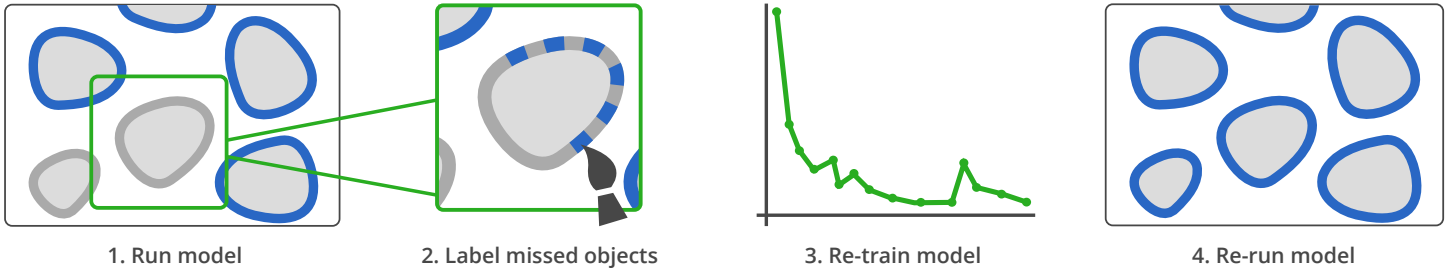

Cell Morphology

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.

| 1. Run model | 2. Label missed objects | 3. Re-train model | 4. Re-run model |

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.
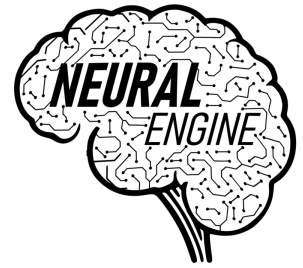
What our customers have to say

" 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

Pfizer   JOHNS HOPKINS UNIVERSITY   BOEING   MAYO CLINIC   gsk GlaxoSmithKline   P&G

Like what you see?
Schedule a demo with an imaging expert.