



# Scan. Index. Search.

Transform your slides into shareable knowledge.



# The Intelligent Way to **Scan, Index, and Search** Whole Slide Images

Every year, pathologists around the world diagnose millions of cases. Using their experience and knowledge, they review biopsy slides—often consulting with their colleagues—then generate insightful pathology reports.

Unfortunately, these pathology reports are often filed away after diagnosis, never to be revisited.

Think about all the knowledge captured in these reports, just sitting on the shelf gathering dust. Imagine if there was an easy way to access, aggregate, and re-use that collective knowledge.

How much could be speed up and improve diagnosis? Or accelerate cancer research? How many new treatments could we discover? Or could we even find connections to the genome?

We've developed a powerful way to transform glass slides into shareable knowledge, through image search, to connect pathologists and researchers with the vast expertise of their colleagues.

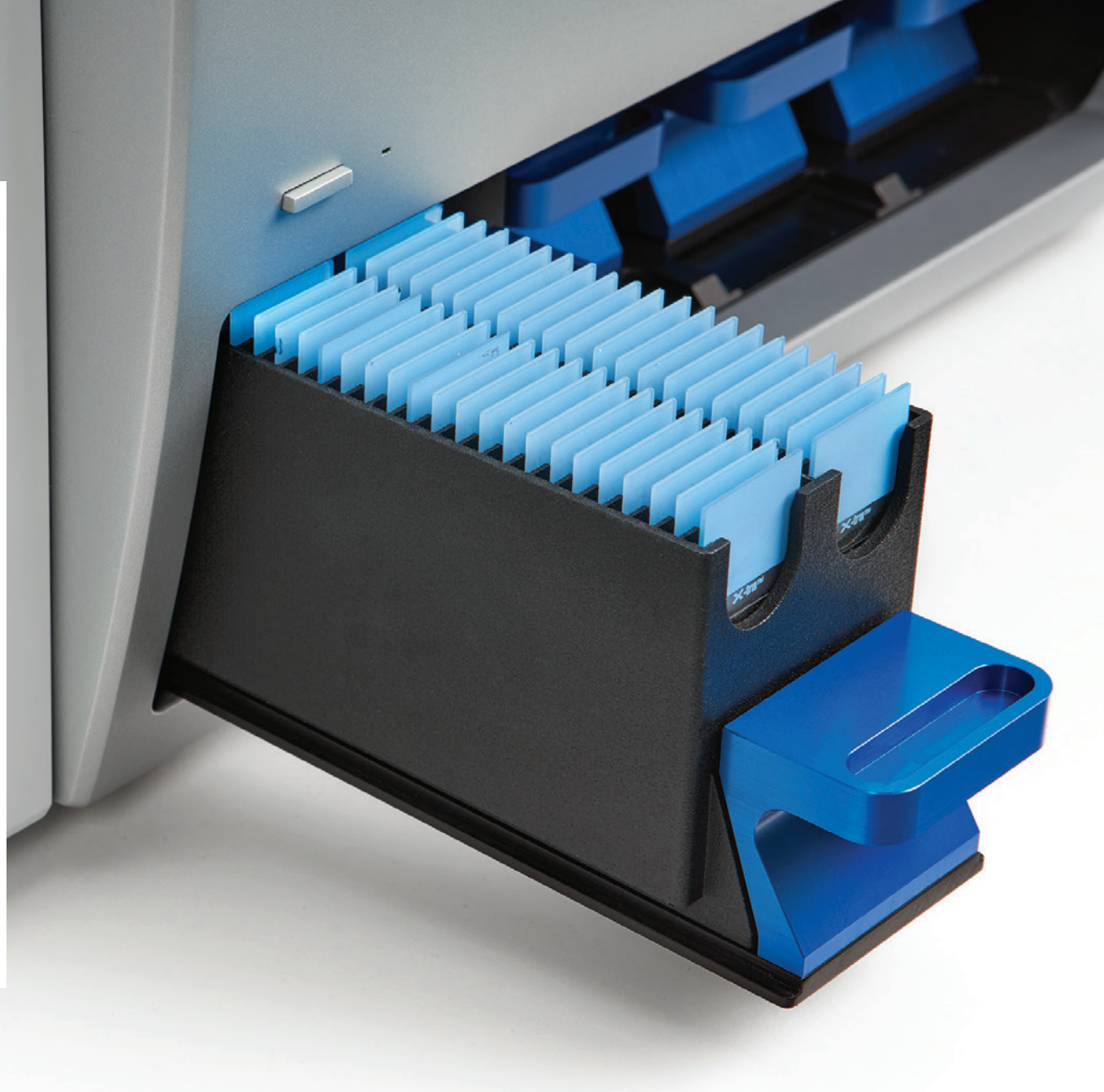
**We call it Scan. Index. Search.**

# Scan.

Our solution leverages our 10+ year experience in providing whole slide scanners to leading clinical and research institutions. Our newly-developed TissueScope iQ scanner combines scanning flexibility and high throughput with industry-first real-time, native indexing of images for content-based image search.

We are open and forward thinking. Our non-proprietary file format ensures that you are never locked-in. We also recognize the value of standards and the relationship between pathology and enterprise imaging. As such, we are active participants in implementing the DICOM standard in our scanners to ensure compatibility with other imaging modalities in the enterprise.

- Automated, high throughput scanning
- Real-time, native indexing for image search
- Non-proprietary file format, DICOM compatible



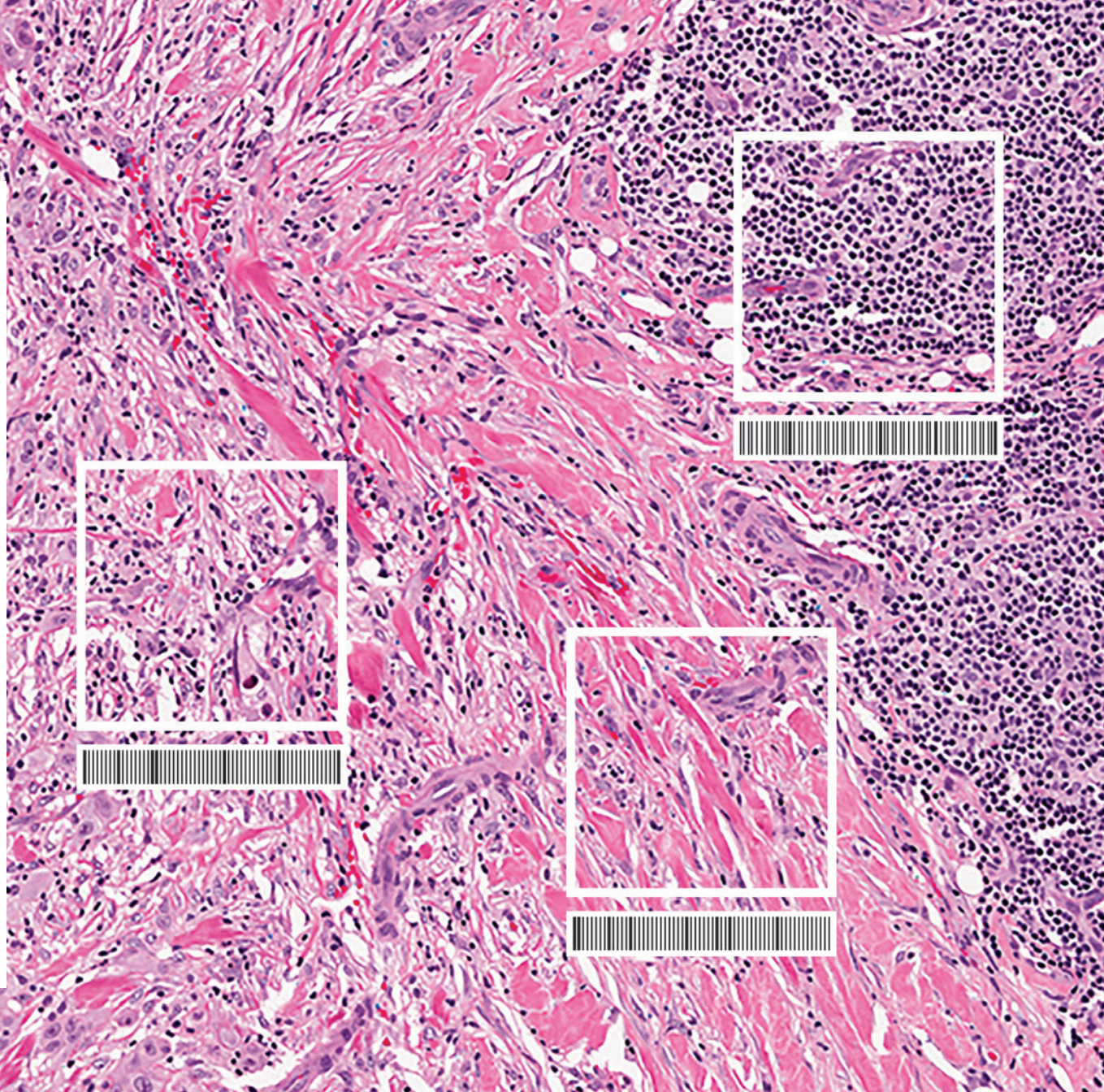


# Index.

Whole slide images are large and therefore difficult to search. We have developed a patent-pending method based on artificial intelligence and computer vision to represent images as a series of compact and easily-searchable smart barcodes.

Our solution batch indexes large repositories of whole slide images, at scale. Our scanner-agnostic approach means the slides can originate from Huron scanners or from many other scanner vendors. As new slides are added to the repository they are added to the index. The more slides, the better the search performance.

- Index large slide repositories, at scale
- Applicable across multiple case types
- No labeled data required
- Scanner agnostic—index slides from other scanners





# Search.

We offer an easy-to-use tool for pathologists to retrieve images that are anatomically similar to the biopsy sample they are reviewing. After highlighting a region of interest, the search engine returns images with similar content along with the corresponding diagnoses. The pathologist can use the similar cases to solidify the basis for their diagnosis.

This search capability can be deployed within a single institution or across multiple networks, offering hospitals and laboratories the ability to capture the collective knowledge of their pathologists towards computational consensus-building.

- Expert-centric—pathologist makes decisions
- Retrieve similar images across multiple case types
- Search results connected to expert pathology reports



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