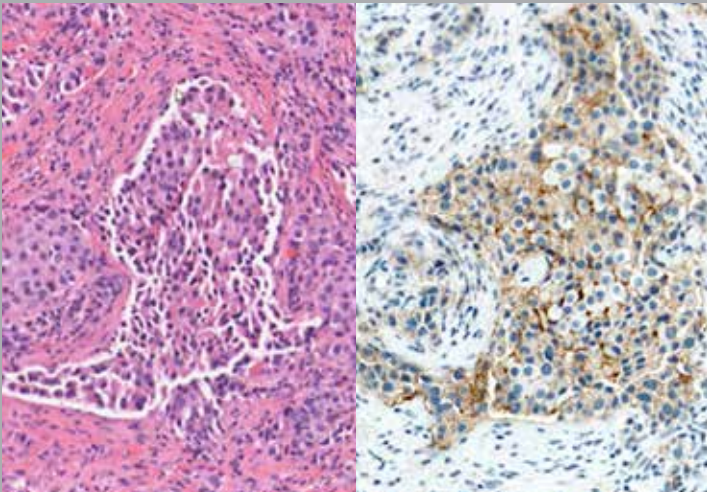




Every  
Diagnosis  
Counts

# HiPath Pro

Advanced Digital Pathology



POWERED BY  
**GENASIS**

**ASI** APPLIED  
SPECTRAL  
IMAGING

# The Ultimate Digital Pathology Workflow

## 1 View & Mark

your reference slide

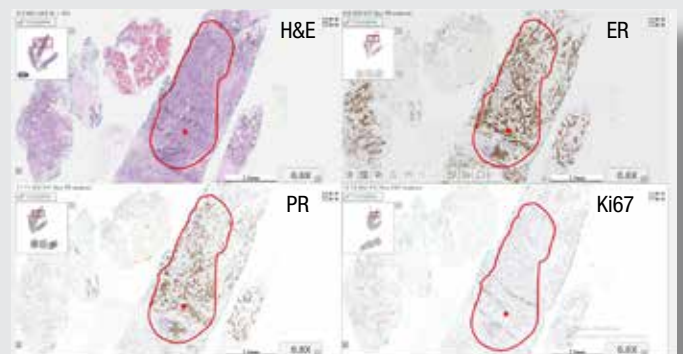


or



## 2 Match & Align

slides and transfer  
regions of interest

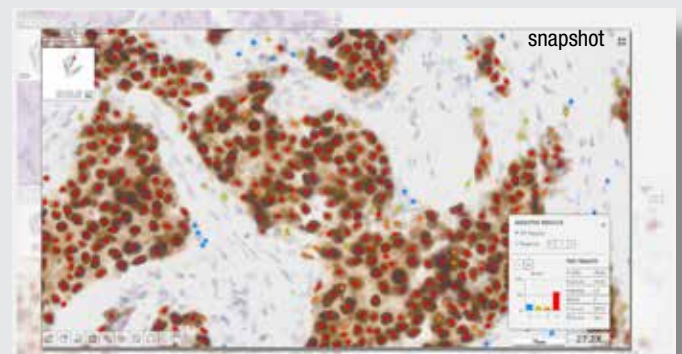
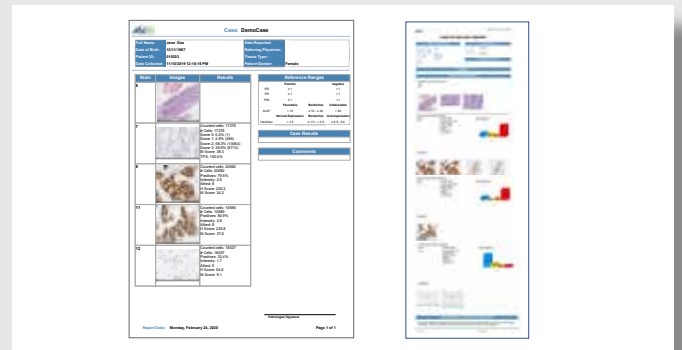
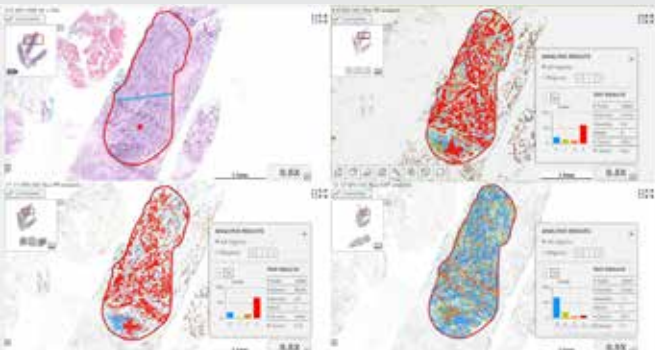


# Analyze

for accurate, repeatable  
and standardized results

# Report

scores and snapshots



# High Throughput Around-the-Clock Scanning

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- ✓ User independent scanning of up to 99 slides
- ✓ Uninterrupted loading during system operation
- ✓ H&E and IHC scanning on the same tray
- ✓ Tray prioritization option

## Benefits to Your Diagnostics

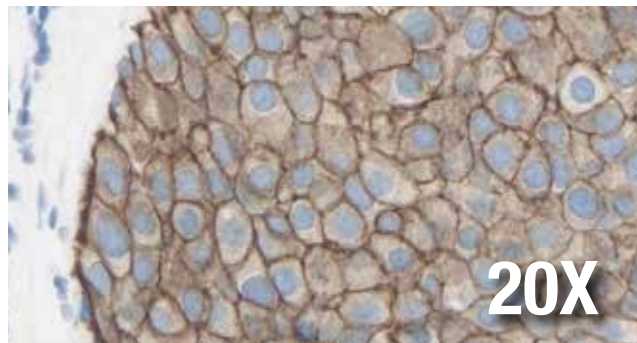
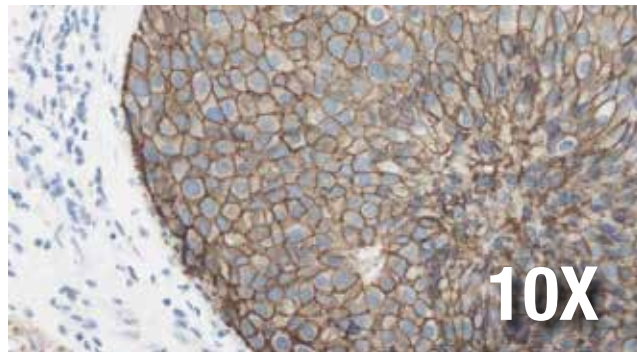
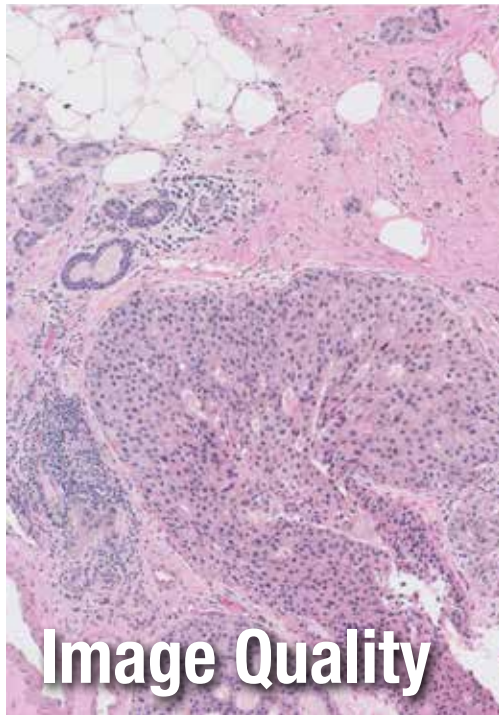
---

- ✓ **Exceptional image quality** up to 80X digital zoom
- ✓ **Intuitive navigation**
- ✓ **Advanced visualization tools** for in-depth examination
- ✓ Accurate, computer-aided analysis on **Whole Slide Images**
- ✓ **Diagnostic confidence** with control sample reference



# Exceptional Whole Slide Image Quality

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## Flexible Multi Slide Panel Display

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- ✓ Simultaneous review of up to four slides
- ✓ Selection of reference slide
- ✓ Intuitive navigation



# Comprehensive Digital Pathology System



## Digital

Labor efficient  
Easy data access  
Quantitative analysis



## Standardized

Reduced human error  
Diagnostic confidence  
Results consistency



## Connected

Easy communication  
Faster turnaround times  
Remote access

“As an early adopter of the PD-L1 immunostain methodology, our group quickly recognized the inter and intra observer variability in scoring and interpretation of the stain, especially when there is non-uniform staining among tumor regions. We have been very pleased with the added confidence that HiPath Pro provides us in improving accuracy and precision of interpretation.”

Dr. Lija Joseph, Lowell General Hospital

## IHC & CISH Scoring

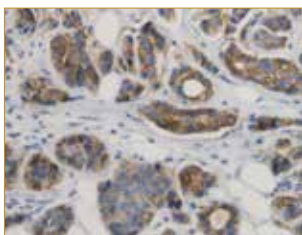
All nuclear and membrane staining

Wide range of tissue samples (e.g. breast, lung, colon, bladder, brain)

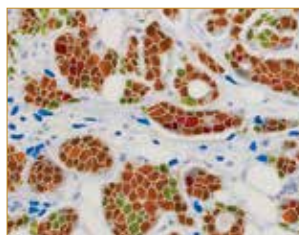
Vendor neutral

**HER2**

Original



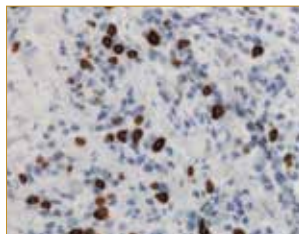
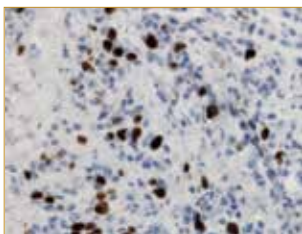
Analyzed



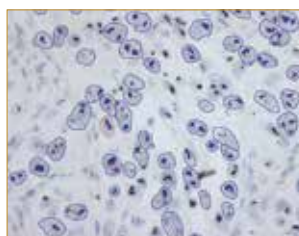
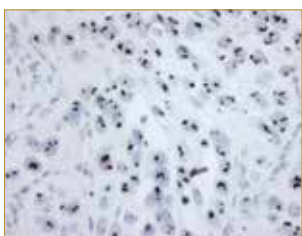
Results



**Ki67**



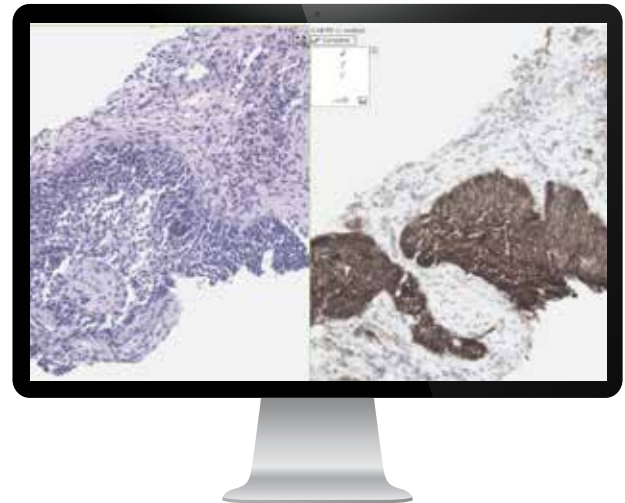
**CISH**



# Specialized Algorithms

Integrated tissue detection, tissue matching and cell classification algorithms that can account for what the human eye may not see.

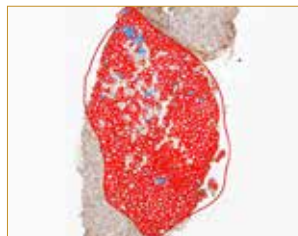
**Examine H&E side by side with PD-L1**



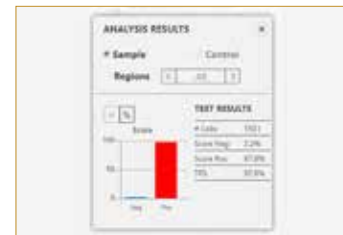
Original



Analyzed

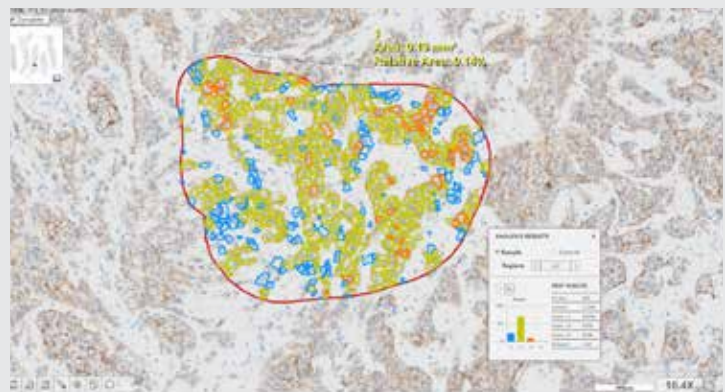


Results



## IHC Analysis on Whole Slide Images

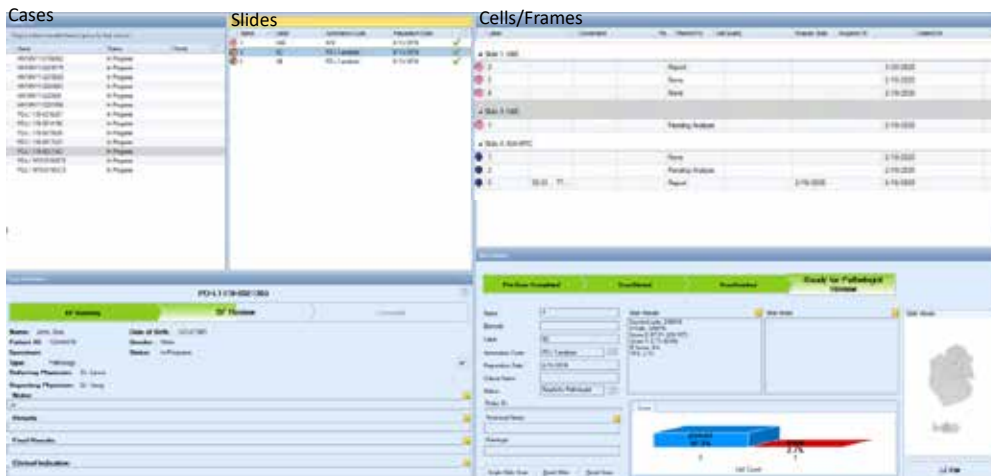
- ✓ Landmark based co-registration
- ✓ Matching regions on all slides
- ✓ Automatic analysis
- ✓ Flexible displays
- ✓ Regional statistics
- ✓ Separate statistics for internal



# Data Management and Connectivity

Modern paperless workflow  
Secure data management

Central Portal and Database  
Easily Integrates with Lab Information System (LIS)



## Become a Data-Driven Lab with LabLife™

### Generate lab performance statistics



#### Benchmarks

Calculate performance benchmarks and track your KPIs. Meet certification and regulatory requirements



#### Optimization

Identify best practices to increase ROI per case and focus improvement efforts



#### Growth

Justify investment in additional capital equipment for the lab



#### Annual analysis and review

Compare performance year on year and make data driven decisions



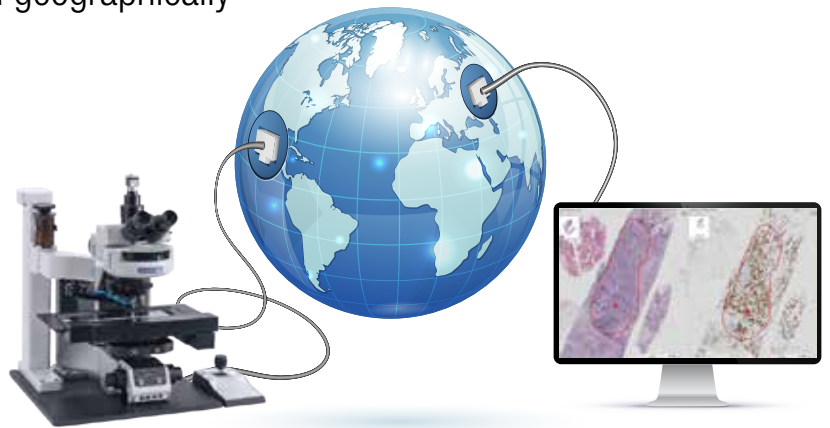
# GenASIs AnyWhere™

## A Virtual Laboratory

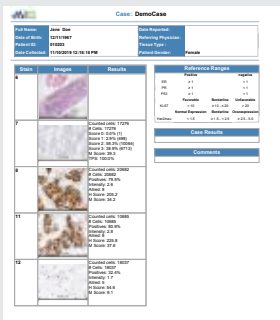
GenASIs™ AnyWhere is Applied Spectral Imaging's complete remote access solution enabling HIPAA-compliant access, review, analysis, and sign-off of cases from any location, via a secure link to your lab's GenASIs platform.

**In today's world, working remotely has become a necessity.**

- ✓ Optimal for remote consultation, educational and training needs
- ✓ Uncompromised data security
- ✓ Efficient management and maintenance of multiple systems, and users
- ✓ Distance-bridging for multi-site and geographically distributed organizations
- ✓ Increases productivity and reduces turnaround time



### Advanced Reporting



### 1D/2D Barcode Reader



### LIS Connectivity

- ✓ Performance
- ✓ Security
- ✓ Data Integrity
- ✓ HIPAA Compliant

# ASI Company Overview

Applied Spectral Imaging (ASI) is a global leader in biomedical imaging with a comprehensive product portfolio and a global distribution footprint.

Founded in 1993, ASI markets, services and supports its products in nearly 90 countries. The Company's technology, powered by GenASIs, enables pathology, cytogenetics and research laboratories to provide advanced diagnostics to patients through superior digital diagnostic tools.

ASI has a wide portfolio of dedicated solutions for brightfield, fluorescence and spectral imaging and analysis, including HiPath Pro, PathFusion, HiBand, HiFISH, CytoPower and Rainbow.

ASI's wide FDA clearance portfolio includes: FDA clearance for BandView, FISHView, SpotScan for CEP XY, UroVysion, ALK and HER2/neu FISH, and for HiPath IHC Family for HER2, ER, PR, and Ki67, on the manual configuration

The Company has offices in the US and Asia and a global network of distribution partners.

## Global Presence

4,500

Systems installed  
worldwide

86

Countries through direct  
& indirect sales forces

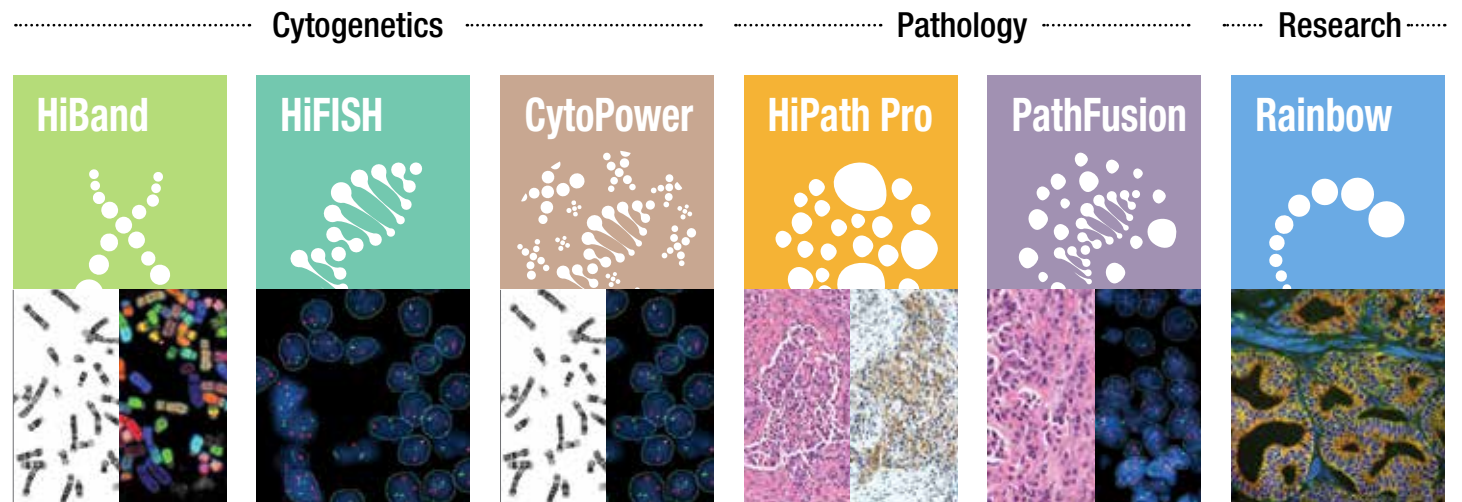
71

Third party distribution  
partners



# Product Portfolio

Exceptional Imaging & Analysis Solutions for Laboratories



Diverse platforms to accommodate all laboratory needs



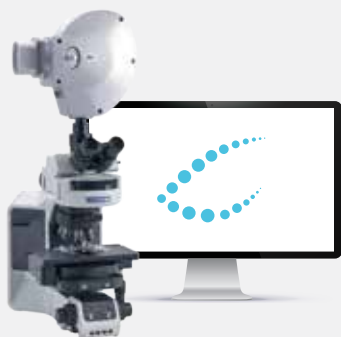
**1-Slide Capture System**



**9-Slide Scanning System**



**99-Slide Tray Loader**



**HyperSpectral System**



**Review & Analysis Station**



**AnyWhere Remote Connectivity**

# System Specifications



|                           | Manual 1 Slide                                  |   | 9 Slide Motorized Stage                                      |  | 99 Slide Tray Loader   |  |
|---------------------------|---|---|--|--|--|--|
| <b>Microscope Support</b> | BF upright microscopes                          |   | OLYMPUS BX61 BF<br>OLYMPUS BX63 BF<br>ZEISS AxioImager Z2 BF |  | OLYMPUS BX61 BF<br>OLYMPUS BX63 BF<br>ZEISS AxioImager Z2 BF |  |
| <b>Objectives</b>         | Olympus<br>4x/0.16NA<br>20x/0.5NA<br>40x/0.75NA | ZEISS<br>5x/0.16NA<br>20x/0.5NA<br>40x/0.75NA | Olympus<br>4x/0.16NA<br>10x/0.3NA<br>20x/0.5NA               | ZEISS<br>5x/0.16NA<br>10x/0.3NA<br>20x/0.5NA | Olympus<br>4x/0.16NA<br>10x/0.3NA<br>20x/0.5NA               | ZEISS<br>5x/0.16NA<br>10x/0.3NA<br>20x/0.5NA |
| <b>Camera</b>             | 5MP CMOS Color                                  |   | 5MP CMOS Color   |  | 5MP CMOS Color   |  |
| <b>Slide Capacity</b>     | 1 slide   |   | 9 slides   |  | 99+ Slides   |  |
| <b>Barcode</b>            | Handheld 1D/2D                                  |   | Handheld 1D/2D   |  | Integrated 1D/2D   |  |
| <b>Dimensions (WxDxH)</b> | According to client microscope                  |   | 61cm x 69cm x 85cm   |  | 100cm x 90cm x 90cm  |  |
| <b>Weight</b>             | According to client microscope                  |   | 45 kg  |  | 80 kg  |  |

SCAN ME



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