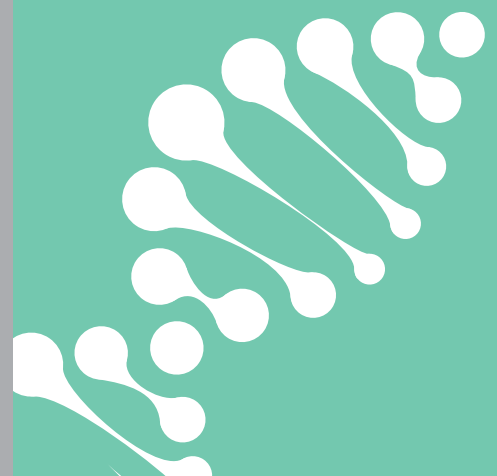
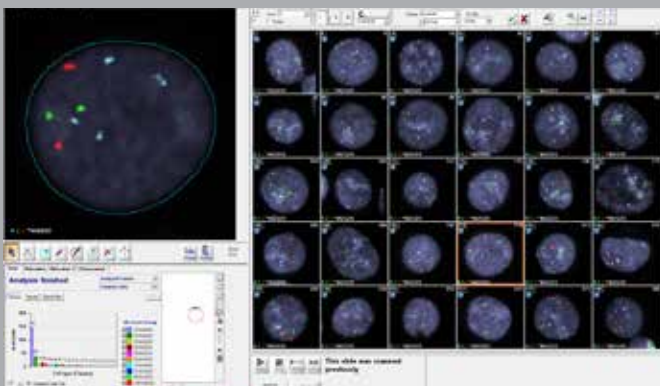




Every
Diagnosis
Counts

HiFISH

Digital FISH Analysis Platform



POWERED BY
GENASIS

ASI APPLIED
SPECTRAL
IMAGING

The Ultimate Digital FISH Workflow

Digitize slides, analyze cells and report

Welcome to your optimized FISH testing solution:

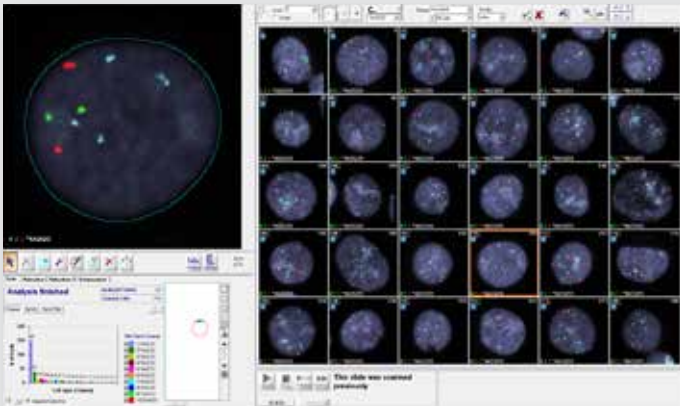
Scan >>> Analyze >>> Review >>> Report >>> Complete!

1
Scan
& Capture



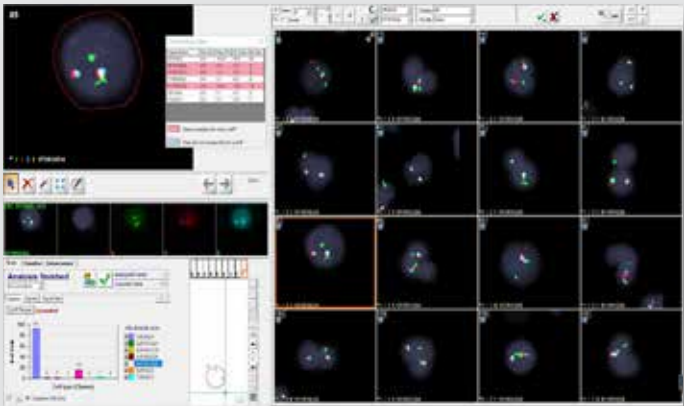
Automated FISH scan and capture with real-time analysis

2
View
& Analyze



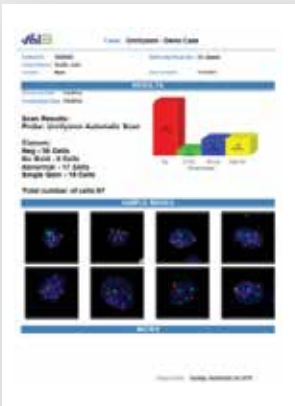
Onscreen review and classification adjustment

3
Review
& Approve



Review and approval of final statistics

4
Report



Create report with final statistics and cell images



Lab Productivity

Digital workflows enable labor efficiencies and time savings every step of the way



Diagnostic Confidence

Accurate computer-assisted analysis provides higher confidence in patient assessment



Onscreen Analysis

Onscreen FISH analysis in the light significantly improves technologist user experience

Cutting-edge scanning instrumentation for in-depth cell imaging and analysis



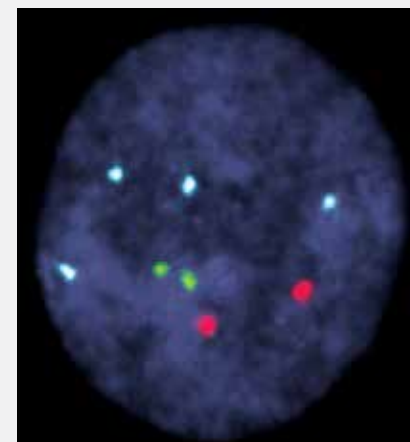
“HiFISH allows us to view much more cells than we would with a manual microscope, which leads to more accurate and reliable results. Manual FISH analysis is also tedious and leads to technologist fatigue but HiFISH never gets tired.”

Dr. Yarin Hadid, Bnai Zion Medical Center

Digitize Your Slides

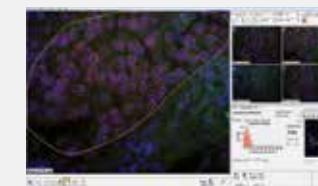
Efficiency, Precision, Versatility

Exceptional On-screen Image Quality



Wide Application Coverage

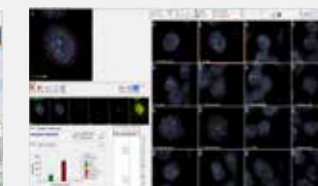
HER2/neu (Breast)



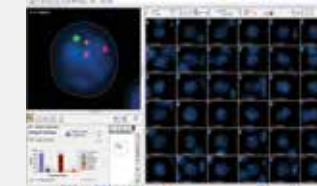
ALK (Lung)



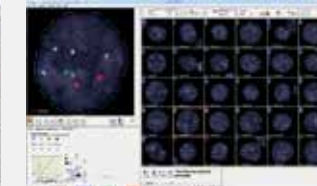
UroVysion (Bladder)



Hematology Fusion



Hematology Enumeration



✓ Any Sample

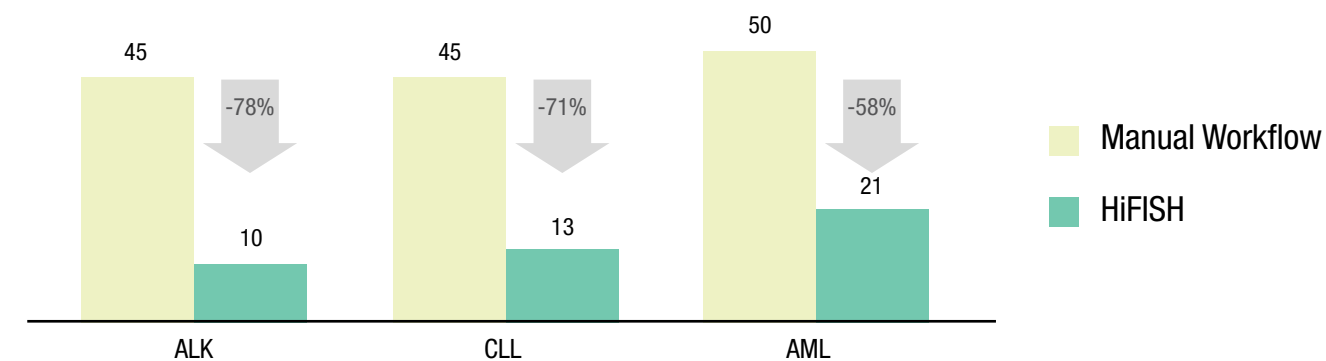
✓ Any Probe

“Digital FISH analysis provides more efficient and accurate results and better patient care in comparison to traditional FISH methods.”

Liew M, Rowe L, Clement PW, Miles RR, Salama ME., J Pathol Inform

Increased Lab Productivity with Automation

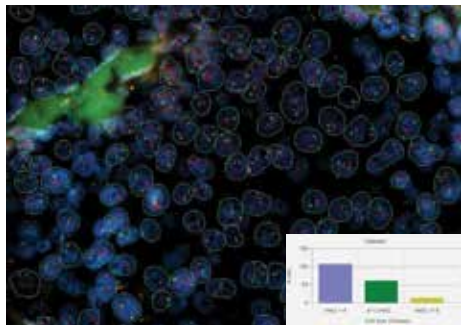
Over 55% Time Savings (Minutes / Case)



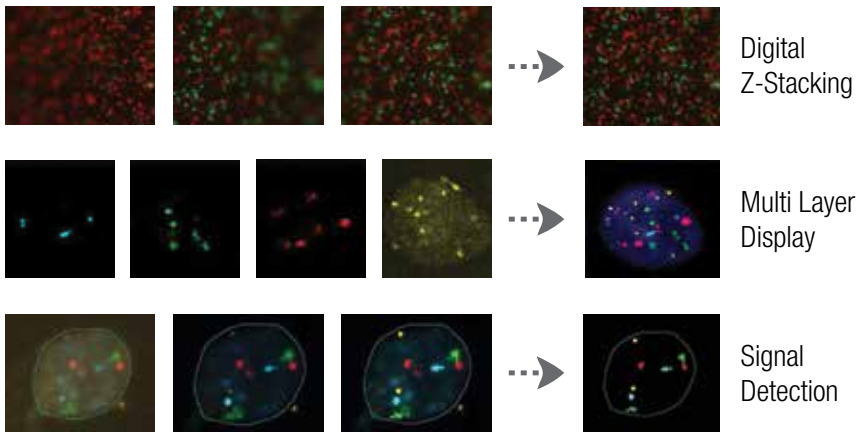
Digital FISH Analysis

Accuracy, Consistency, Ease-of-Use

Increased Diagnostic Confidence

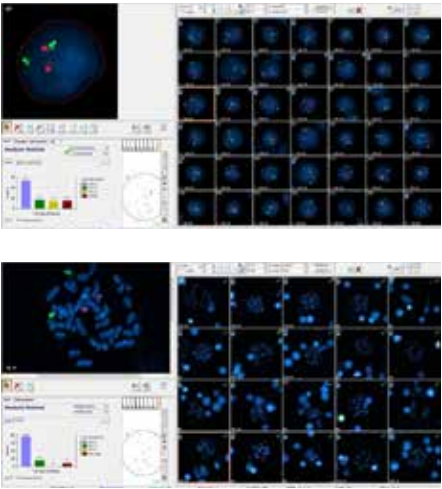
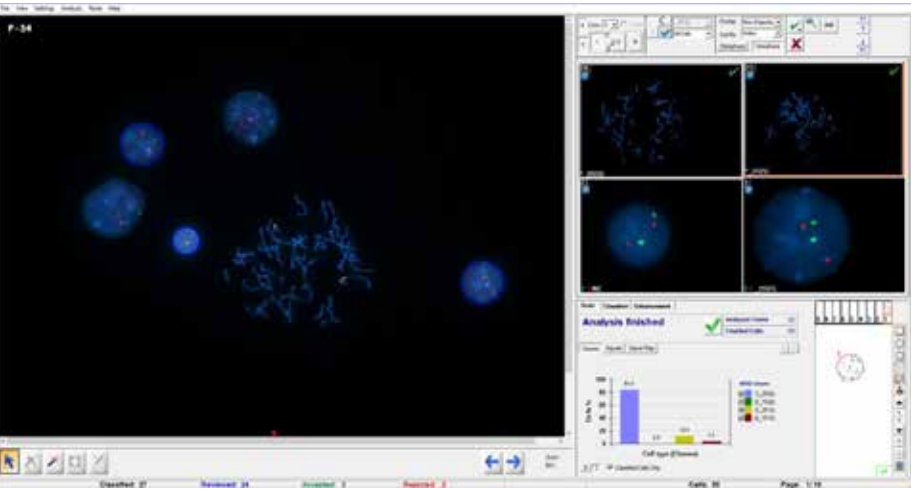


Accuracy
Automated cell/ signal detection and classification for consistent reliable results

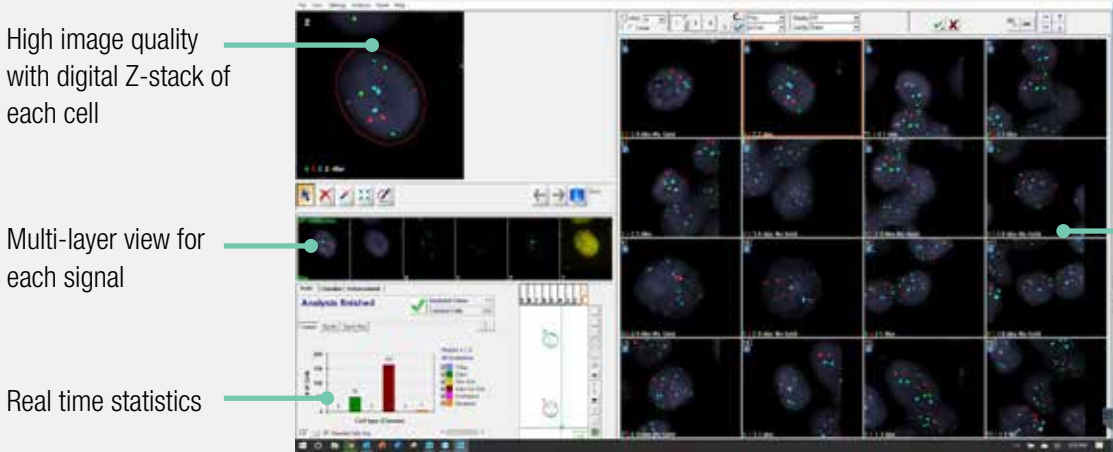


Capture Interphase & Metaphase Cells In One Scan For Higher Throughput and Confidence

Identify probe signals on chromosomes to confirm FISH analysis accuracy



Easy Classification & Review



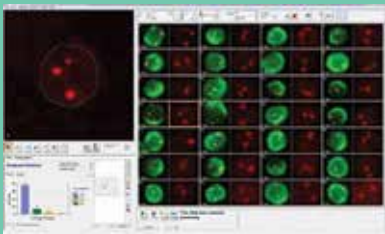
High image quality with digital Z-stack of each cell

Multi-layer view for each signal

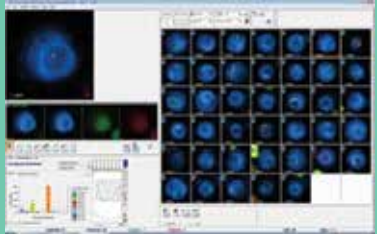
Real time statistics

Cell gallery for fast and easy classification review

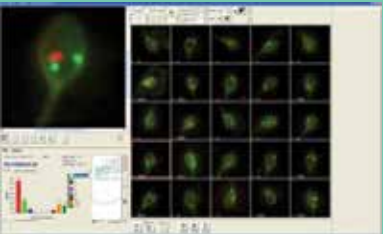
HiFISH for Research Applications



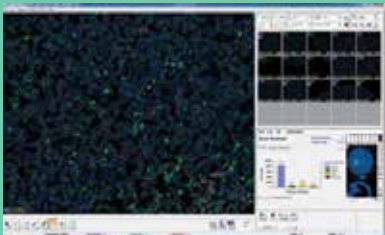
Circulating Tumor Cells



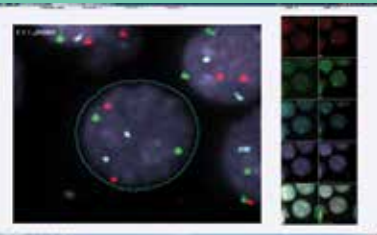
clgFISH



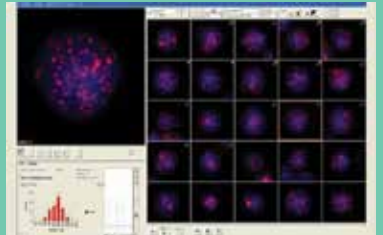
Sperm Cells



Immuno Fluorescence



Successive Staining



Telomeres

| Cell ID | Area | Size | Shape | Color | Intensity | Signal |
|---------|------|------|-------|-------|-----------|--------|
| 1001 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 1002 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 1003 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 1004 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 1005 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 1006 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 1007 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 1008 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 1009 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 1010 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |

Quality Control of Probe Assays

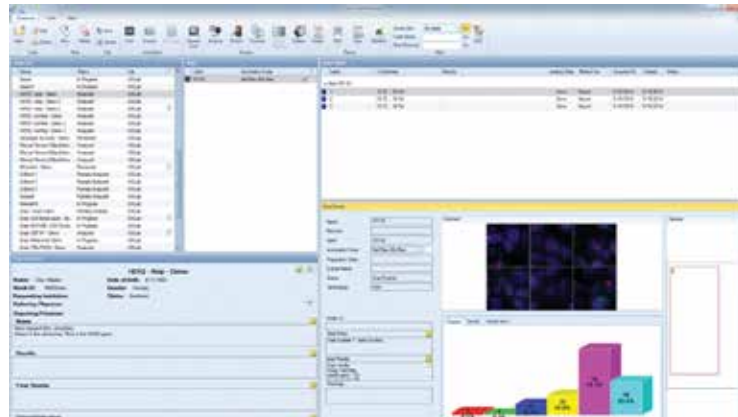
Cell phenotyping and signal classification

Measurement and display of multiple cellular and signal properties

Data Management and Connectivity

Modern Paperless Workflow

Central Portal and Database
Easily Integrates with Lab LIS



Case Data Management (CDM)

- ✓ Efficient
- ✓ Comprehensive
- ✓ Eliminates human error

Work from Home

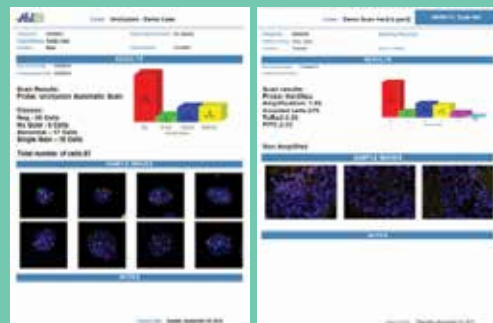
GenASIs AnyWhere™ for Remote Access

Lab Connectivity Anytime, Anywhere

Review, analyze and sign off case information from any location via a secured network



Advanced Reporting



1D/2D Barcode Reader



LIS Connectivity

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

Become a Data-Driven Lab with LabLife

NEW

Generate lab performance statistic
LabLife™ for Lab Management s



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

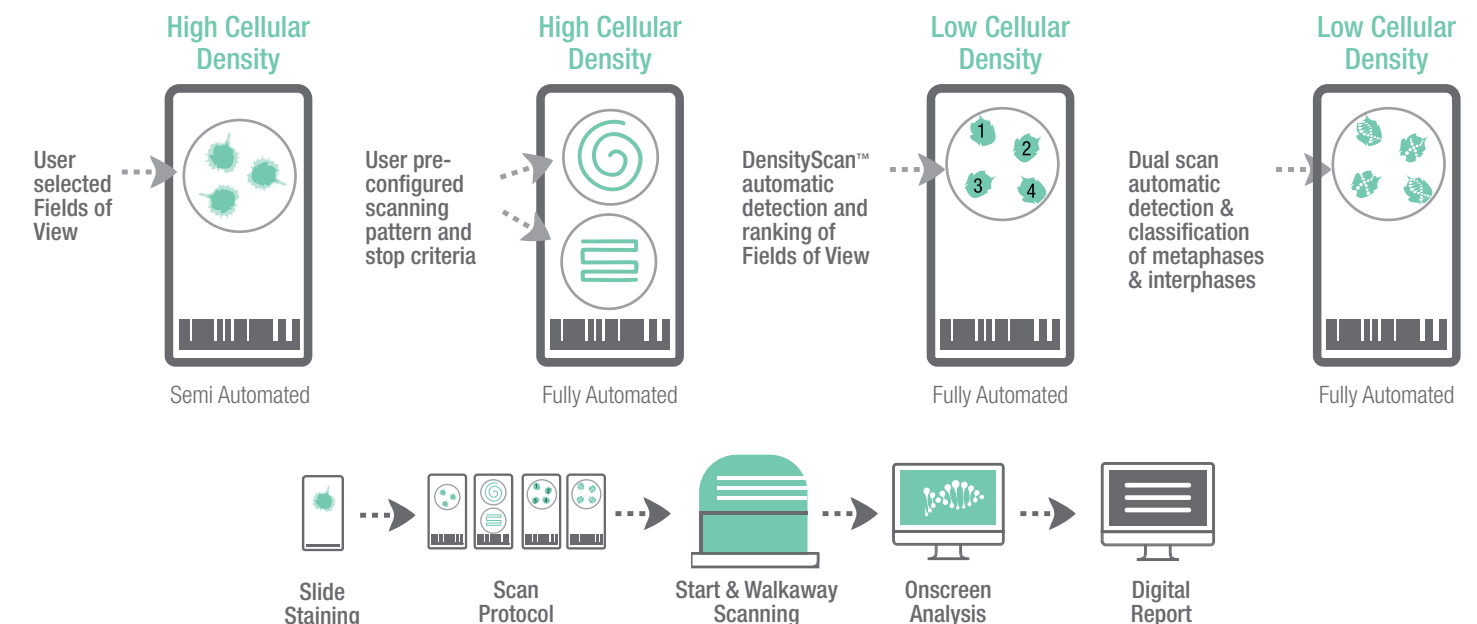


Annual analysis and review

Compare performance year on year and make data driven decisions

Personalized Levels of Automation

Scanning Protocols for All Probes, Samples and Preparation Techniques



About Applied Spectral Imaging

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 60 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

71

Countries through direct & indirect sales forces

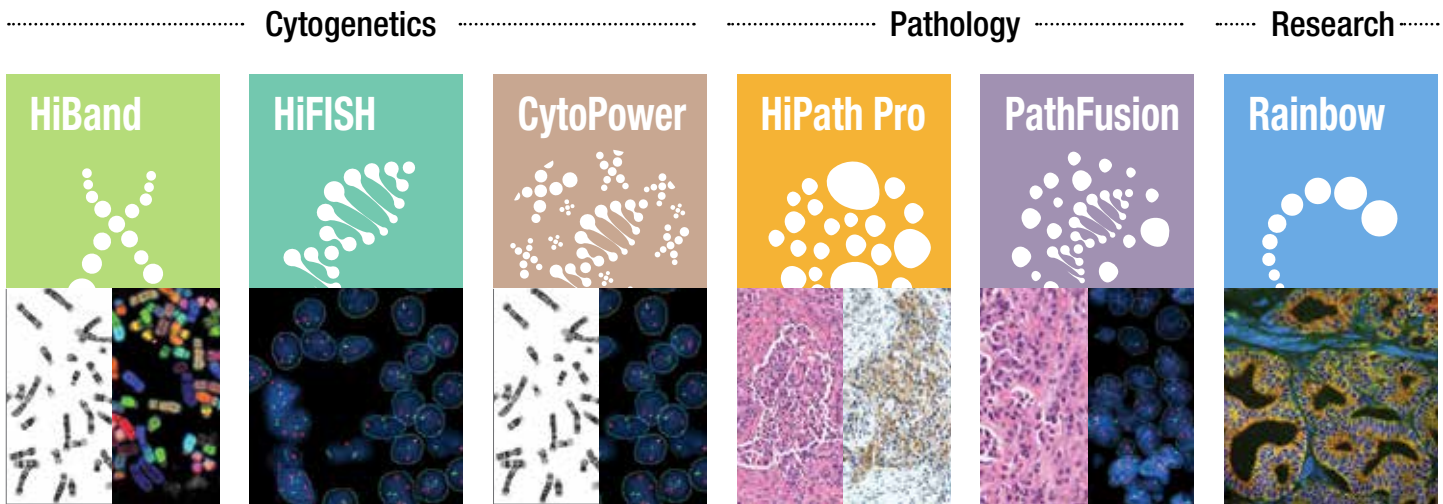
60

Third party distribution partners

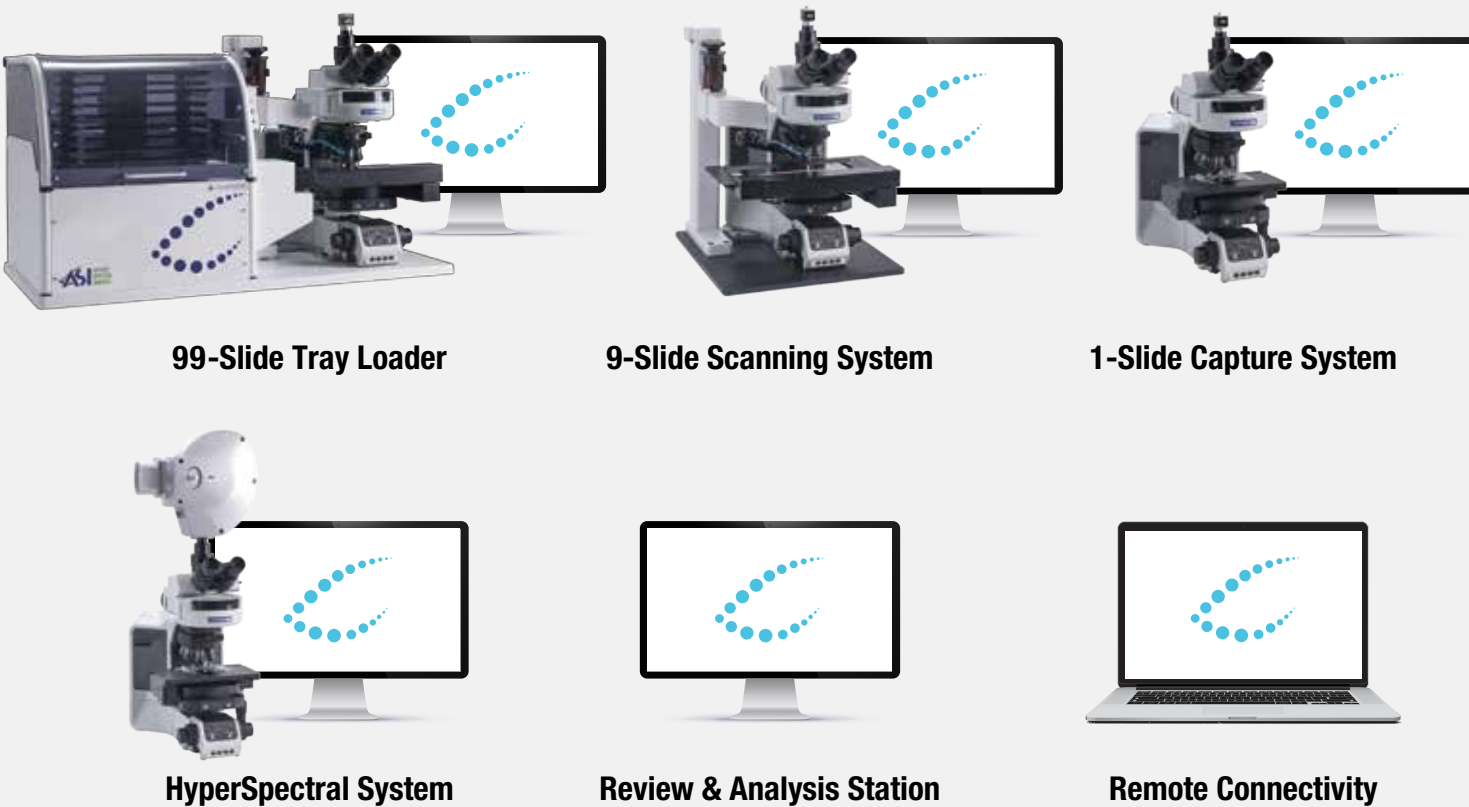


The Company's Product Portfolio

Imaging & Analysis Solutions for Laboratories



Diverse platforms can accommodate all laboratory needs

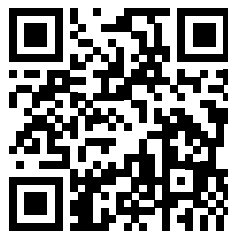


System Specifications



| | Manual 1 Slide | | 9 Slide Motorized Stage | | 99 Slide Tray Loader | |
|-------------------------|------------------------------------|----------------------------------|--|---|--|--|
| Microscope Support | FL upright microscopes | | OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS Axiolmager Z2 FL | | OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS Axiolmager Z2 FL | |
| Objectives | Olympus 10x/0.3NA 60x/1.25NA | ZEISS 10x/0.3NA 63x/1.25NA | Olympus 10x/0.3NA 40x/1.4NA 60x/1.25NA | ZEISS 10x/0.3NA 40x/1.3NA 63x/1.25NA | Olympus 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.25NA | ZEISS 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.25NA |
| Camera | 5MP CMOS Monochrome | | 5MP CMOS Monochrome | | 5MP CMOS Monochrome | |
| Slide Capacity | 1 slide | | 9 slides | | 99+ slides | |
| Barcode Reader | Handheld 1D/2D | | Handheld 1D/2D | | Integrated 1D/2D | |
| Automatic Oil Dispenser | N/A | | Optional | | Integrated | |
| Dimensions | According to clients microscope | | 61cm x 69cm x 85cm (24" x 27.2" x 33.5") | | 100cm x 90cm x 90cm (39.4" x 35.5" x 35.5") | |
| Weight | According to clients microscope | | 45Kg 99.2lb | | 80Kg 176.4lb | |

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