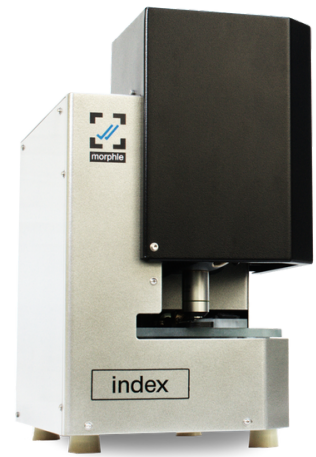


Highly robust yet
surprisingly affordable



Index

Technical Specifications



Slide capacity	→	1
Image Resolution	→	0.22 microns / pixel (40X)
Scanning mode	→	1. Single plane Whole slide scanning 2. Live microscopy with continuous focus / Z-Stack 3. Multiple focal plane Volume scanning
Scanning Speed	→	3 mins for 15 x 15 mm area
Scan preview mode i.e. thumbnail generation	→	Dedicated 5MP broad-view camera for fast preview
Types of slide handled	→	1. HE & IHC stained tissue sections 2. Pap smears 3. FNAC cytology smears
Scanner Size W x D x H (cm)	→	30 x 20 x 35
Slide dimensions W x D x H (mm)	→	25 x 75 x 0.75-1.8
Weight (kg)	→	15

Remote Microscopy of our Times



Slides for Scanning.
[PROCESSING LAB]

Whole Slide Images
Stored in Image Server.

Digital slide library comprising
of 1000s of scans.

Remote Consultant
Reporting on a WSI.

**Static IP
/ VPN**

Remote Faculty conducting
Online UG Practicals & PG
Classes.

Remote Student Accessing
Scan library anywhere.



Image server offers
base storage of 5000 scans.



NAS Extension stores
200000+ Scans.

- Multiple units can be simply chained together for higher storage.
- Low cost cloud backups ensure protection against data loss in worst case scenarios.



Export to personal
storage for offline access.

Glass Slide Storage



Digital Slide Storage

Stains fade in a matter of a month.

Slide cabinets are cost inefficient.

Broken/Misplaced Glass Slides.

Digital slides ensures perfect image perpetually.

3-5x lower cost of storage with latest data storage technology.

Retrieve ancient scans in a few seconds. Search by slide name, data range, diagnosis, patient details & more.

Live Z Stack



Just Like A Microscope, But Remote

- Start reporting at 40x remotely in 15 seconds.
- Report instantly for frozen section, cytology adequacy, fine needle aspiration.

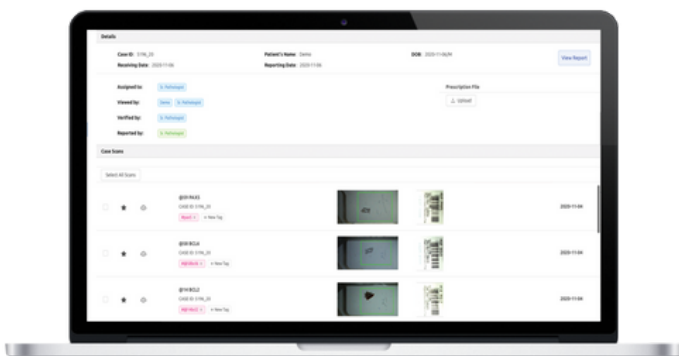
Never Miss A Detail

- Move across multiple Z-levels at each field.
- Scan Cytology slides with overlapping cells.

Volume Scanning



Bi Directional LIS Integration



Perfect Workflow Integration

- Access patient data and TRF form embedded into the digital pathology viewer.
- Push microscopic photographs. gross images to the final report.

IHC Cell Counting



Eliminating Inter-Observer Variability

- Automated positive & negative cell counting with positivity ratio.
- Manual region selection option to avoid compounding factors.
- Approved for research use for nuclear & membrane staining antibodies.

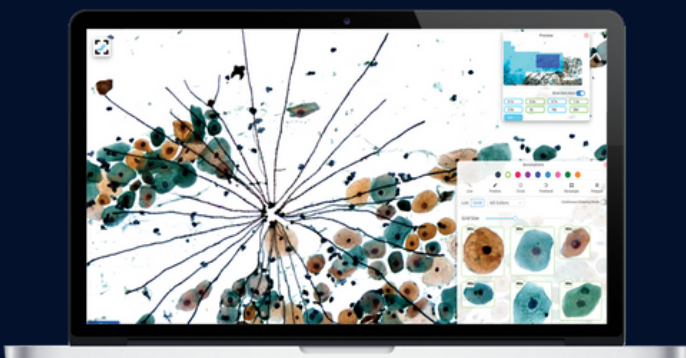
IHC Panel Comparisons Made Easy

- Compare HE & multiple IHC scans side by side.
- Eliminates the hassle of marking on glass slides / switching slides in microscope compounding factors.
- Upto 12 scans can be arranged in grid style on larger screens.

Scan Sync



Digital Cytology Reporting



Accuracy Meets Objectivity

- Compare shortlisted cells side by side.
- Track area screened to ensure coverage.

Hassle Free Measurement & Scoring



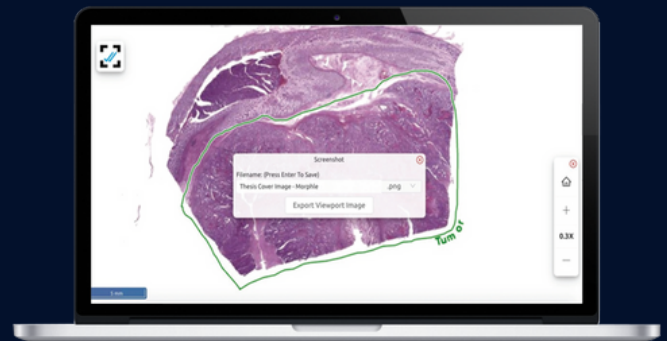
Morphometry At Fingertips

- Measure tumor margins & more in full tissue view.
- Measure nuclear diameters, area & more at micrometer accuracy.
- IHC scoring with one click image analysis.

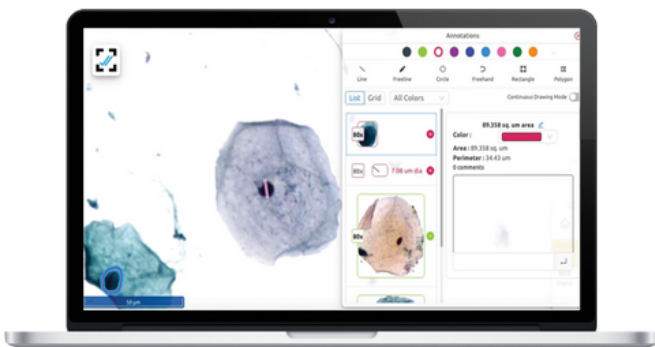
Perfect Images At 1X To 80X

- Full tissue image capture for large tissue that don't fit in a single field at even a 2x microscope objective.
- Integrated Image annotations.
- One Click export with perfect Image Quality.

Hi-DPI Publication ready Image export

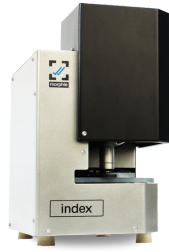


Nuclear & Cellular Morphometry



Precise Micro - Measurements

- Measure Nuclear Parameters like area, perimeter, diameters, axis lengths & more.
- Calculate nucleocytoplasmic ratios.
- 100 nanometer precision for all measurements at 80X magnification.



	Index	Optimus 6x	Continuum - 240
Maximum Slide Loading Capacity	1	6	240
Resolution	0.22 $\mu\text{m}/\text{pixel}$	0.22 $\mu\text{m}/\text{pixel}$	0.22 $\mu\text{m}/\text{pixel}$
Single slide Scanning Time for 15x15 mm with 0.22 $\mu\text{m}/\text{pixel}$	3 mins	3 mins	3 mins
Autoloading Rack details	Single cassette with 1 slide capacity	Single cassette with 6 slide capacity	Autoloading Rack with 40 cassettes each cassette holding 6 slides
Walkaway Time for Full Batch @ 0.25 $\mu\text{m}/\text{pixel}$	3 mins	18 mins / batch of 6 slides	12 hours / batch of 240 slides
Barcode	NA	1D & 2D	1D & 2D
Scan preview mode	High Resolution Broadview camera	High Resolution Broadview camera	High Resolution Broadview camera
Slide Dimensions (mm)	76 x 26	76 x 26	76 x 26
Slide Thickness range	0.8 to 2mm	0.8 to 2mm	0.8 to 2mm
Types of Slides handled	HE & IHC stained tissue sections PAP smears (conventional & LBC both) FNAC cytology smears	HE & IHC stained tissue sections PAP smears (conventional & LBC both) FNAC cytology smears	HE & IHC stained tissue sections PAP smears (conventional & LBC both) FNAC cytology smears
Camera	5 MP 2/3 inch Sony sensor	5 MP 2/3 inch Sony sensor	5 MP 2/3 inch Sony sensor
Dimensions W x L x H (mm)	384 x 207 x 337	394 x 577 x 486	660 x 560 x 750
Weight (kg)	15	26	52

Global shipping
Plug & Play installation
Continuous online support



Bestselling Slide Scanner

1M+ Slides reported on
Morphle Scanners as of today!
Join the digital pathology revolution

Schedule Online Demo

<https://morphlelabs.com/demo.html>

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