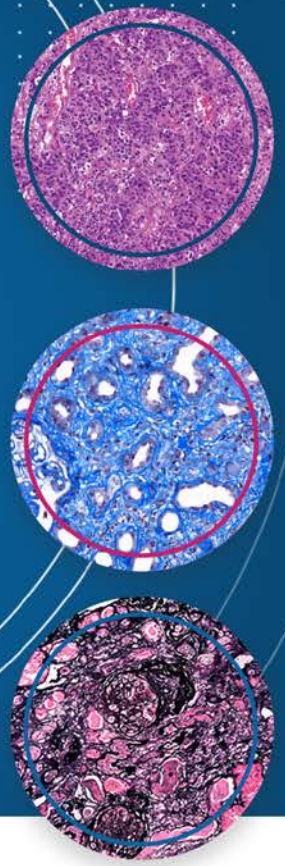
3DHISTECH
THE DIGITAL PATHOLOGY COMPANY

PANNORAMIC® Pathology Diagnostic System



A new, integrated digital pathology solution from 3DHISTECH that puts focus on the case, and the pathologist in control.

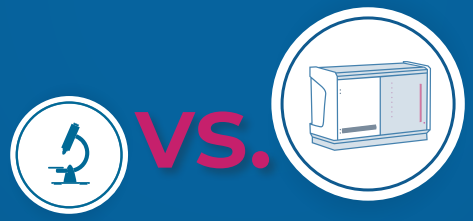
CHOOSE DIGITAL PATHOLOGY
AND BE A PART OF THE FUTURE

Integrated PANNORAMIC® Pathology Diagnostic System

Fast and reliable clinical results can save lives!

The pathological diagnosis is of a more pivotal importance today than ever. In addition to creating a clinical picture, the pathological diagnosis may determine the therapy plan of a patient and helps the doctor to monitor the treatment process.

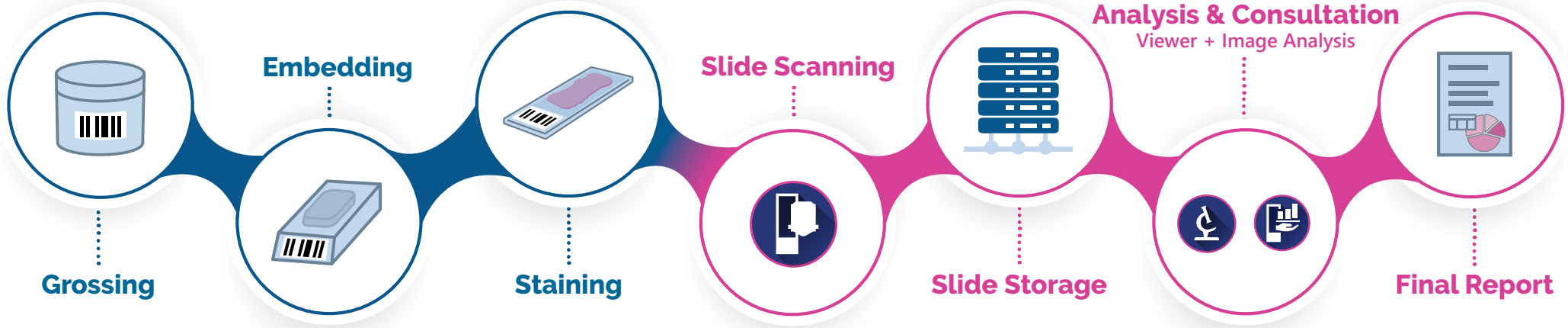
A new trend in pathology laboratories is digitalization which is the main requirement from modern laboratories. **3DHISTECH** opens up a new opportunity for their customers to improve their pathology workflow by using a new, IVD approved, comprehensive diagnostic solution designed by one vendor.

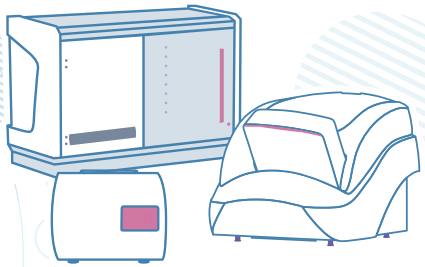


The Pathology Diagnostic System Package not only includes digital slide scanners with excellent image quality but also provides the Pathologist with complete control over the workflow by using the Case Manager Pathology Management System.

Hospital

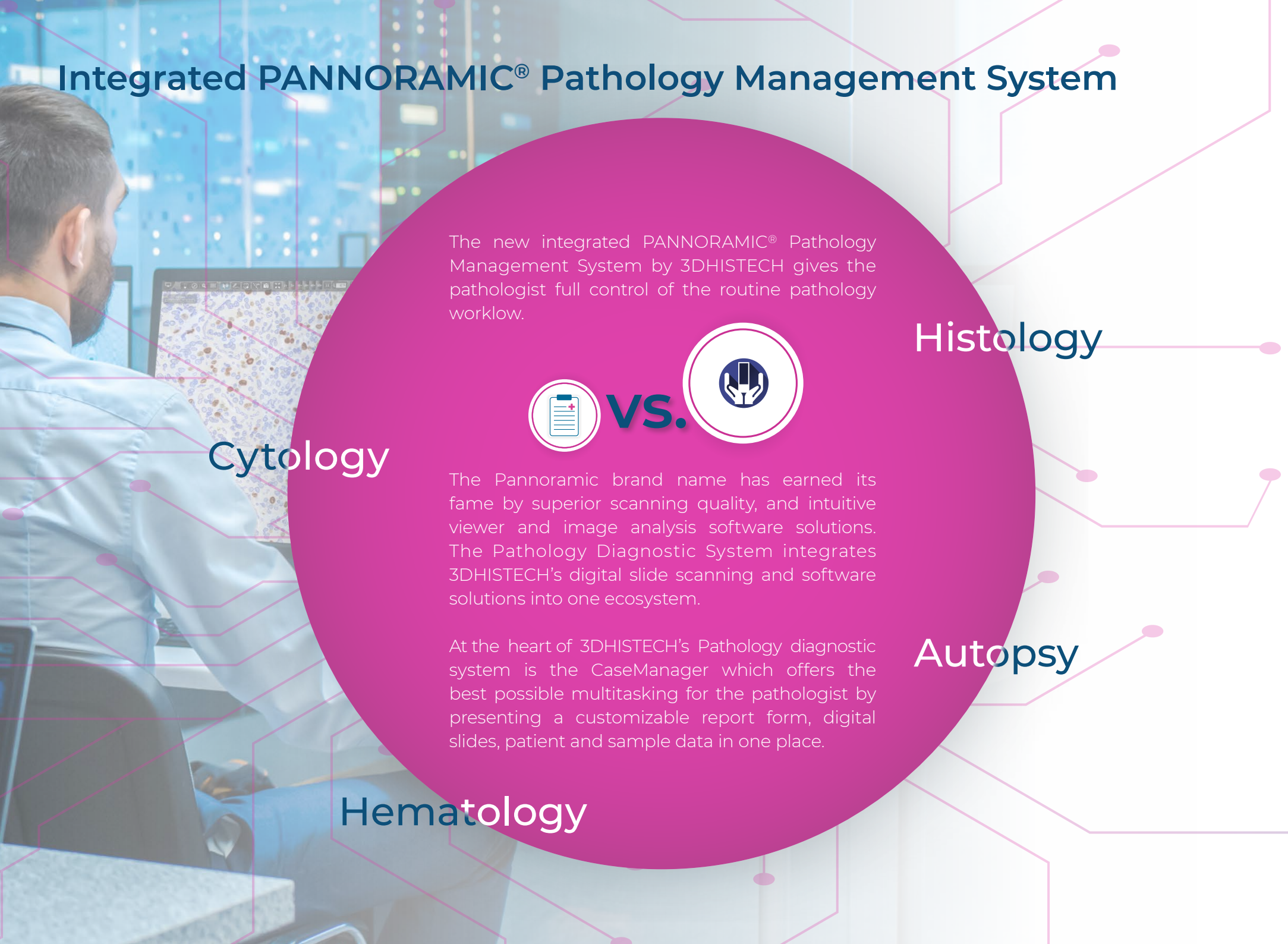
CaseManager





PANNORAMIC® Pathology Diagnostic Scanners

Integrated PANNORAMIC® Pathology Management System



The new integrated PANNORAMIC® Pathology Management System by 3DHISTECH gives the pathologist full control of the routine pathology worklow.

Histology

VS.

Cytology

The Pannoramic brand name has earned its fame by superior scanning quality, and intuitive viewer and image analysis software solutions. The Pathology Diagnostic System integrates 3DHISTECH's digital slide scanning and software solutions into one ecosystem.

At the heart of 3DHISTECH's Pathology diagnostic system is the CaseManager which offers the best possible multitasking for the pathologist by presenting a customizable report form, digital slides, patient and sample data in one place.

Autopsy

Hematology

Case Sharing

Case Forwarding

Case Priority

Case Report

Case Archiving

Encrypted Patient Data

System recovery is available

Case Manager

PANNORAMIC Diagnostic Scanners

Slide Storage

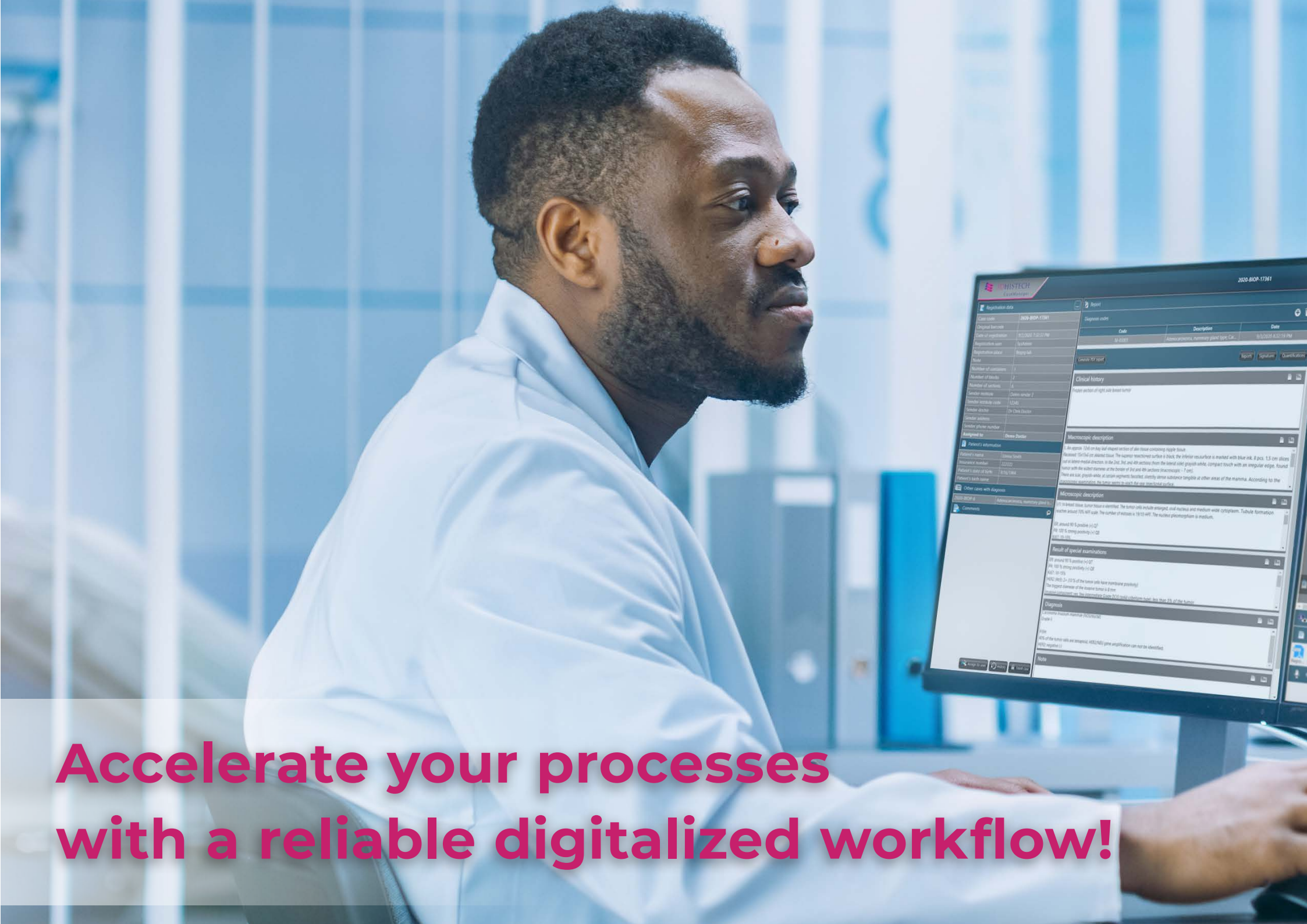
Viewer

Image Analysis

Secure LIS/HIS integration ensures patient data protection

Central Log Service Application

One application for all the tasks!

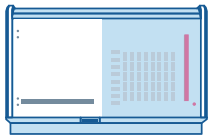

Accelerate your processes
with a reliable digitalized workflow!

3DHISTECH
THE DIGITAL PATHOLOGY COMPANY

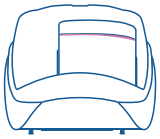
Remote control over all installed systems and registered users!

CaseManager

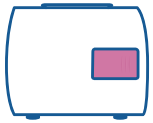
- Cybersecurity
- Accessible by trusted users only
- IT Supervisor is able to follow the status of scanning process and the user activity
- Maintenance



PANNORAMIC®
1000 DX

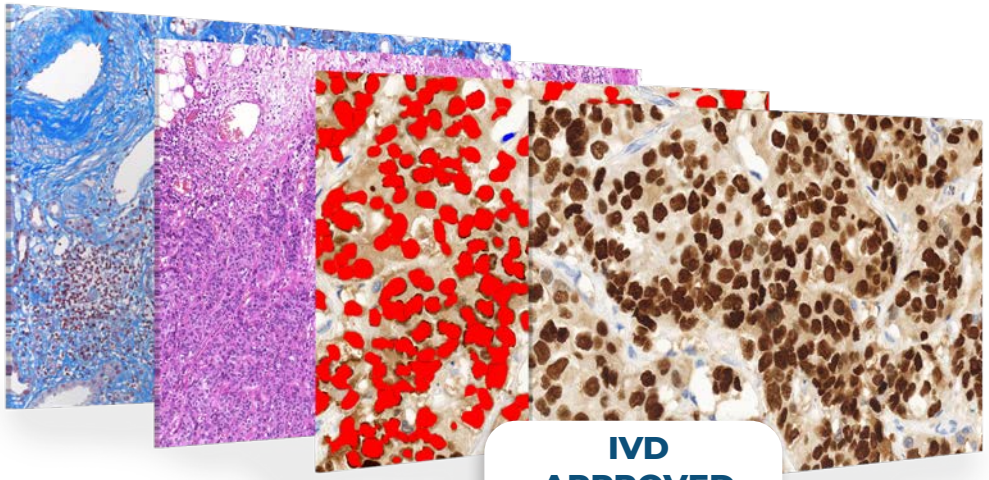


PANNORAMIC®
250 Flash III



PANNORAMIC®
Flash Desk DX

Security Manager - Central Log Service Application



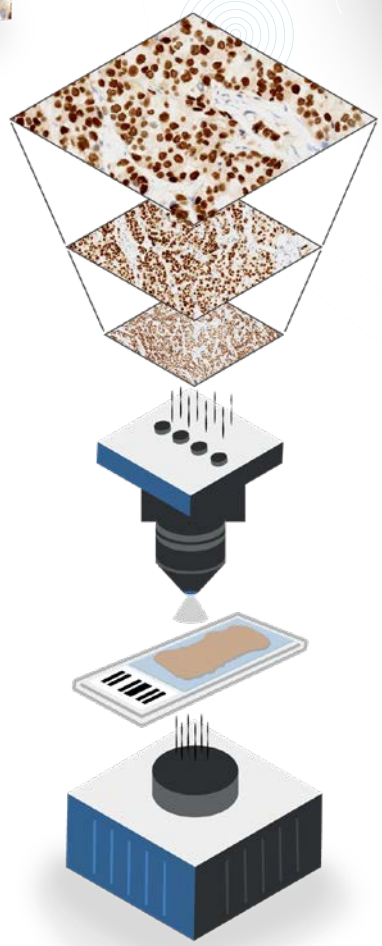
IVD APPROVED

Diagnostic quantification

Special IVD approved image evaluation apps improve the confidence of diagnosis of breast cancer. The image evaluation tools help to identify the positive cells in the marked tissue area and give an objective result about the sample.

Clinical visualization

Using special lighting techniques, the system digitizes the samples at amazing speed, ensuring the smooth running of daily routine processes. The quality of digital images acquired with an exceptional resolution is assured by quality control.



Our passion is diagnostic imaging!

The unique optical path we have developed has opened new possibilities in diagnostic visualization.

PANNORAMIC® Diagnostic Scanners

PANNORAMIC® Flash Desk DX

PANNORAMIC® Flash Desk DX is an affordable, entry-level slide scanner for clinical routine diagnosis, a simple and easy-to-use tool for teleconsultation and frozen section scanning.

Key features

- Capacity: 1 slide
- Speed: 30 sec/slide*
- Brightfield scanning
- Flash scanning technology
- 20×–40× objective
- Single and **double-width slide** scanning
- Compact design – small footprint

*20× objective/40× optical equivalent magnifiction, 7500 µm focus point distance, 15×15 mm average sample size, single layer local scanning

PANNORAMIC® 250 Flash III

Thanks to its award-winning scanning technology, PANNORAMIC® 250 Flash III offers a versatile, high-quality and high-speed scanning solution to high-volume scanning tasks. Recommended for laboratories processing around 110,000 slides per year.

Key features

- Capacity: 300 slides
- Speed: 35 sec/slide*
- Throughput: up to 60 slides/hour*
- Brightfield scanning
- Flash scanning technology
- 20×–40× objective
- Continuous loading

*20× objective/40× optical equivalent magnifiction, 7500 µm focus point distance, 15×15 mm average sample size, single layer local scanning

PANNORAMIC® 1000 DX

Thanks to its unprecedented capacity and unparalleled speed, PANNORAMIC® 1000 DX offers automated, “walk-away” slide scanning for a whole day’s scanning needs, speeding up the workflow and freeing up valuable lab resources for other important tasks. Recommended for laboratories processing around 200,000 slides per year.

Key features

- Capacity: up to 1000 slides
- Speed: 32 sec/slide*
- Throughput: up to 95 slides/hour*
- Brightfield scanning
- Flash scanning technology
- 20×–40× objective
- Flexibility: arbitrary-order scanning
- Single- and **double-width slide** scanning
- Continuous loading

*20× objective/40× optical equivalent magnifiction, 0.24 µm/pixel, 7500 µm focus point distance, 15×15 mm average sample size, two sets of prefilled magazines, single layer local scanning

Push & Go

One click scanning process

AI assessed

Adaptive focusing

Automated quality check

	PANNORAMIC® Flash Desk DX	PANNORAMIC® 250 Flash III	PANNORAMIC® 1000 DX
Slide loading capacity	1	300	up to 1000
Double-width slide compatible	Yes	–	Yes
Objective type	20× (NA 0.8) and 40× (NA 0.95)		
Brightfield scanning technology	12 MP camera with Xenon Flash illumination		
Optical magnification	41× or 82×	41× and 82×	41× and 82×
Pixel resolution (µm/pixel)	0.242 or 0.121	0.242 and 0.121	0.242 and 0.121
Highest brightfield scanning speed*	35 sec (20×) / 2 min (40×)	35 sec (20×) / 1 min · 35 sec (40×)	32 sec (20×)/1 min · 15 sec (40×)
Average BF file size (native resolution)	1.25 GB (20×) / 4.5 GB (40×)		
Highest throughput/hour	—	up to 60	up to 95
Dimensions {(W × D × H) (cm)}	38 × 31 × 25	68 × 69 × 55	154 × 100 × 91
Weight (kg)	12	46	270

*15×15 mm area, 7500 µm focus point distance, local scanning, single layer, JPEG compression, MRXS file format

Note that PANNORAMIC® slide scanners, the PANNORAMIC® Diagnostic Scanner Software and 3DHISTECH's Integrated Pathology Diagnostic System are available as a package.

Important information for USA: For research and education use only, not for use in diagnostic procedures. This product has not been approved or cleared as a medical device by the U.S. Food and Drug Administration.

Developed and produced by

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OUR AWARDS

- ISC, 2010 (International Scanner Contest)
- 5 awards at the ISC, 2012
- 5 awards at the ISC, 2016
- Innovation Grand Prize 2019 of the Hungarian Government