

Living up to Life

**Leica**  
MICROSYSTEMS

# Leica PELORIS II

## Premium Tissue Processing

Total Versatility. No Compromise.

An Unmatched Combination of Flexibility, Efficiency and Productivity



## Different Tissues, Same Processor

As a single-system processor for various tissue sizes and types including fatty specimens such as breast tissue, Leica PELORIS II enables premium tissue processing for all laboratory needs—eliminating the necessity for different instruments to process different tissues.

### Processing Flexibility

## 2 retorts

With dual retorts, PELORIS II can run two different protocols in parallel.



#### UNRESTRICTED

PELORIS II offers unrestricted processing because no special grossing is needed, and provides options for routine and molecular testing with the same superior quality.

#### OPERATIONAL FREEDOM

#### ADAPTABLE

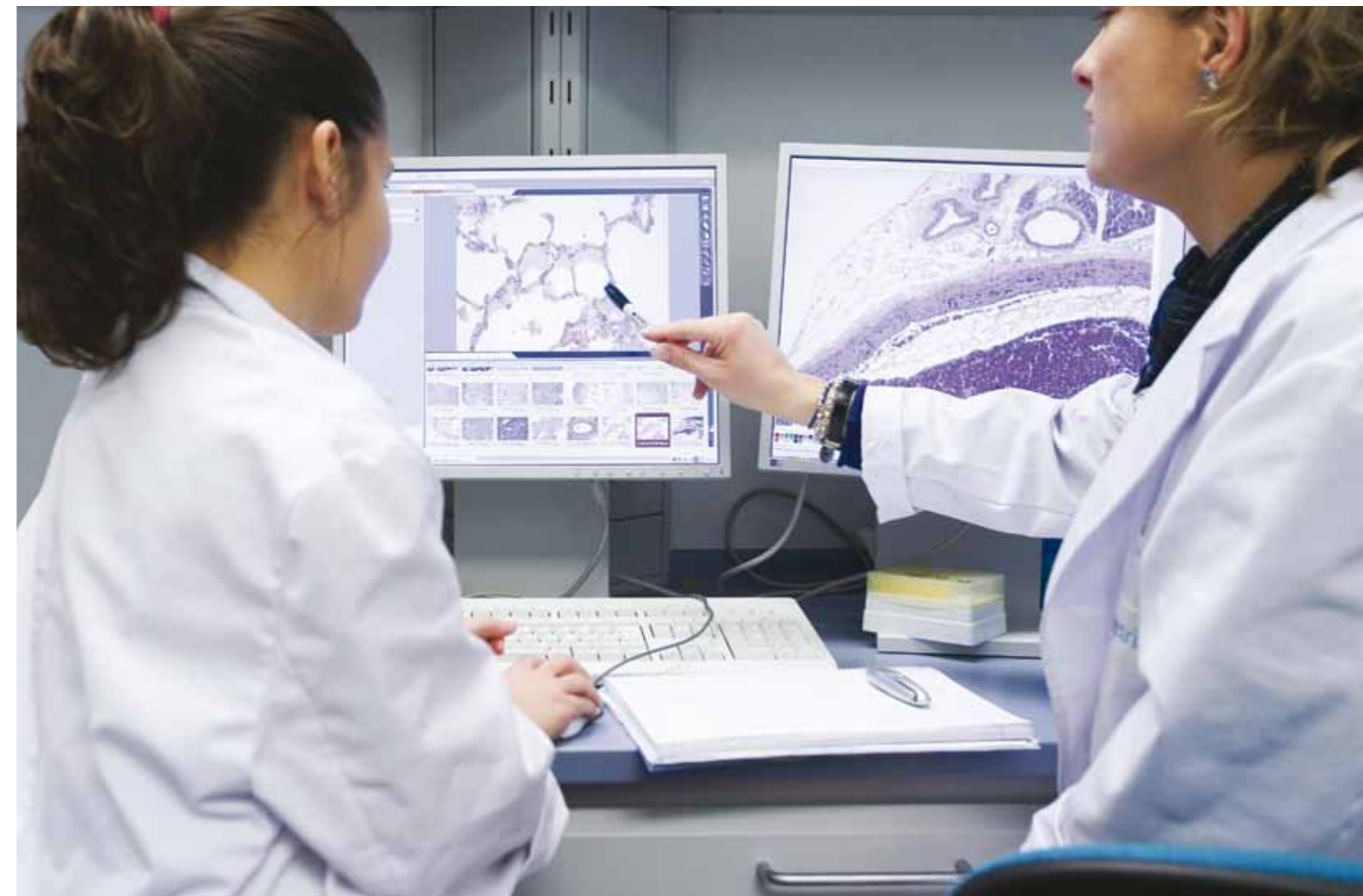
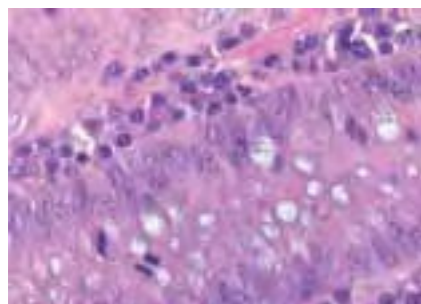
Standardized and customizable processing protocols allow laboratory managers to match their specific needs and optimize the workflow.

#### PROCESSING PROTOCOLS

#### MODIFIABLE

PELORIS II's open reagent system enables laboratories to modify protocols with their reagents of choice, including Xylene and Xylene-free operation.

#### OPEN REAGENT SYSTEM



# High Expectations, Smart Solution

Leica PELORIS II meets the demand for high throughput by accommodating up to 600 cassettes per run at full capacity, and helps provide better patient care through same-day diagnosis with rapid processing. The state-of-the-art system delivers consistent results including superior quality breast tissue processing.

## Application Efficiency

# 600 cassettes

PELORIS II can process both small and very large batches in parallel retorts.



### PROACTIVE

With proactive system diagnostics and service access via a secure network connection, PELORIS II provides real-time maintenance and monitoring care for increased up-time.

### REMOTE CARE

### CONSISTENT

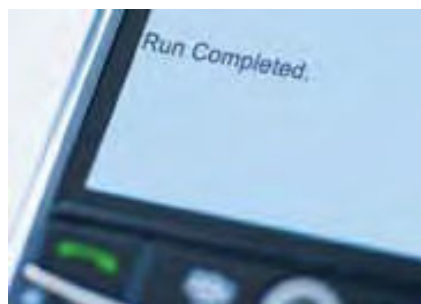
PELORIS II's ActivFlo™ and reagent management systems efficiently deliver consistent quality and substantial savings on reagent consumption.

### EFFICIENT SYSTEMS

### INTELLIGENT

Perfectly sized Leica Parablocks™ made from Leica Paraplast™ provide faster system readiness as well as reduced maintenance, and ActivFlo™ cassettes increase processing efficiency.

### SMART CONSUMABLES



## Multiple Needs, One System.

In addition to “do-it-all” versatility, Leica PELORIS II improves laboratory productivity by having just one system to maintain in terms of documentation and validation, training, reagent handling and ordering, logistics systems and other critical support tasks.

### Operational Productivity

## 1 system

PELORIS II advances productivity as a single, all-in-one tissue processing system.

#### CONTINUOUS

As both a rapid and conventional tissue processor, PELORIS II allows continuous parallel processing to run small batches during the day and large batches overnight.

#### STREAMLINED

With PELORIS II, Lean laboratory processes can be achieved with optimized workflow as well as reduced waste, better staff utilization and superior service and maintenance.

#### SPACE-SAVING

The compact design of PELORIS II provides more throughput with a smaller instrument footprint to maximize valuable lab space, and can be easily positioned in the lab to improve workflow.

#### LARGE AND SMALL BATCHES



#### OPTIMIZED WORKFLOW



#### MAXIMIZED LAB SPACE



## Leica RemoteCare.

Minimizing Downtime, Optimizing Efficiency. At Leica Microsystems, we know that histopathology laboratories require systems and strategies that minimize instrument downtime, prevent breakdowns and reduce lifetime costs. We meet these demands with Leica RemoteCare, providing the confidence of 24-hour instrument monitoring in most locations worldwide. Like a virtual technician, Leica RemoteCare constantly checks critical functions so potential issues can be rectified before operation is interrupted or quality reduced. By ensuring each instrument is always operating at optimum efficiency, Leica RemoteCare dramatically improves laboratory productivity.

#### REAL TIME

On a regular schedule, Leica RemoteCare monitors and collects information about instrument functions and system parameters, providing detailed reporting on system status.

#### PROACTIVE

Through analysis of system information, the Leica RemoteCare program can monitor system status and optimized preventative maintenance can be scheduled.

#### HIGHLY RESPONSIVE

No matter where a laboratory is located, Leica Microsystems’ applications support specialists can be connected in minutes to diagnose problems and quickly provide solutions.

#### PRIVACY & SECURITY

Leica RemoteCare limits users to specific data, views and actions, blocks access to customer and patient data, and only allows diagnostic access to the connected system

#### REMOTE ALARM

Taking overnight tissue processing to the next level, RemoteAlarm informs you and Leica Microsystems’ Technical Service of any issues—making your instrument a true walk-away solution.

#### CONVENIENT

Depending on instrument type, Leica RemoteCare service can be set up at installation or during a routine service visit. The only on-site requirement is an internet connection.

## Leica PELORIS II

An Unmatched Combination of Flexibility, Efficiency and Productivity

SYSTEM SPECIFICATIONS	
Instrument dimensions (h x w x d)	1500 x 857 x 721 mm (59 x 33.7 x 28.4 in)
Weight	250 kg (550 lbs) dry, 350 kg (770 lbs) full reagent load
Processing modes	Conventional (Xylene), Xylene-free
Throughput	450 cassettes/hour
Cassette capacity	600 (maximum), 432 (spaced/xylene-free)
Retorts	2 (allows for continuous processing)
Heating system	ActivFlo™, non-microwave, rapid heat
Reagent stations	16
Reagent volume	3.8 L (1 US gal) minimum 5 L (1.32 US gal) maximum
Paraffin wax stations	4 (each station is capable of filling one retort)
Reagent management	Concentration, cassettes, days, cycles
Operating voltage	100 to 120 V- 220 to 240 V-
Operating current (maximum)	16 A (100 to 120 V-) 10 A (220 to 240 V-)
Mains frequency	50/60 Hz
Power consumption	1450 W (100 to 120 V-) 2150 W (220 to 240 V-)



- 1 DUAL RETORTS RUNNING INDEPENDENTLY**  
Optimize workflow and processing conditions for all tissue types.
- 2 REAGENT MANAGEMENT SYSTEM**  
16 reagent bottles and automatic tracking take the guesswork out of reagent changes
- 3 EASY PARAFFIN WAX MANAGEMENT**  
Four wax baths with wax cleaning function and Leica Parablocks for the fastest and easiest way to fill your paraffin wax bath
- 4 PUTTING THE OPERATOR IN CONTROL**  
Quickly and easily start runs, customize protocols and use your preferred reagents
- 5 SPACE EFFICIENCY**  
Process more specimens using less floor space.





The statement by Ernst Leitz in 1907, **“With the User, For the User,”** describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: **Living up to Life.**

#### BIOSYSTEMS DIVISION

The Biosystems Division of Leica Microsystems brings histopathology laboratories and researchers the highest quality, most comprehensive product range. With complete histology systems featuring innovative automation, Novocastra™ reagents and Surgipath® consumables, Leica Microsystems offers the ideal product for each histology step and high-productivity workflow solutions for the entire laboratory.

Leica Microsystems – an international company with a strong network of worldwide customer services:

#### North America Sales and Customer Support

North America	800 248 0123
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#### Asia/Pacific Sales and Customer Support

Australia	1800 625 286
China	+85 2 2564 6699
Japan	+81 3 5421 2800
South Korea	+82 2 514 65 43
New Zealand	0800 400 589
Singapore	+65 6779 7823

#### Europe Sales and Customer Support

For detailed contact information about European sales offices or distributors please visit our website.

#### TOTAL TISSUE PROCESSING SOLUTIONS

Efficiently prepare and process tissue for high-quality Routine, Special and IHC/ISH staining.

#### Leica CEREBRO and Specimen ID

Clearly label cassettes and slides with Leica's advanced printers then track specimens, protect patients and monitor workflow throughout your laboratory with the Leica CEREBRO sample tracking system.

#### Cassettes

Get the best results with Leica cassettes including the ActivFlo™ range for maximum reagent exchange.

#### Fixatives and Processing Reagents

Choose from a range of traditional and innovative fixatives, alcohols and other processing reagents.

#### Paraffin wax

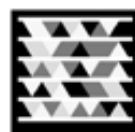
Leica Microsystems offers a wide range of high-quality paraffin waxes so you can find the formula that is just right for you.

#### Embedding, Sectioning and Staining

Maintain quality and efficiency with Leica's range of histology instruments and associated reagents and consumables.




Total Histology brings together products, quality and support. It's the complete solution that helps you advance workflows, enhance diagnostic clarity and deliver what really matters – better patient care.



View an informational video about PELORIS II on your smartphone. Download the free mobile app at <http://gettag.mobi>, then scan this tag to watch the video.