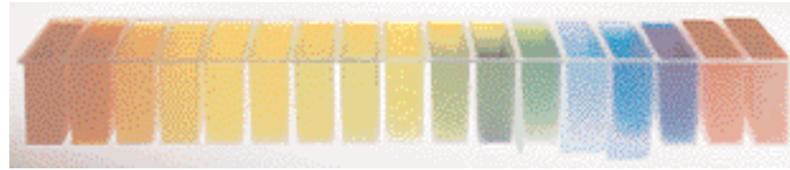




Leica ST4040

High Throughput
Linear Staining System

Leica presents...



In its standard set-up, the Leica ST4040 linear staining system comes complete with one, 27 station staining track including reagent and water stations. 5 of these stations can be used for loading and another 5 for unloading.



To prevent evaporative reagent loss when not in operation, the staining track can be covered with the included reagent lids.



...The first flexible linear staining system with double the throughput capacity

The Leica ST4040 was designed to meet the current and future needs of today's high throughput laboratories. The modular design system allows multiple instrument configurations to match the unique specimen volume and workflow of your Histology or Cytology laboratory.

High throughput and flexibility

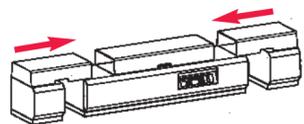
- Specimen throughput can be doubled with the addition of a second, identical staining track next to the first track supplied with the instrument. This allows simultaneous staining of two, 20 slide capacity racks.
- Two separate, time synchronized staining protocols can be run simultaneously on the Leica ST4040. Imagine running your H&E slides at the same time as your PAP slides on the same instrument.
- The dual staining track allows non time synchronized protocols to be run consecutively without the time consuming process of removing reagents.
- The small instrument footprint provides maximum throughput capacity without taking up valuable bench space.

Improving the laboratory environment

- Reduce technician exposure to hazardous reagent fumes. The Leica ST4040 can be outfitted with either a charcoal fume control filter or a fume exhaust hose for direct venting to a fume hood.
- The three section instrument cover further reduces fume exposure by allowing technicians to only open the instrument in the zone they are working in, slide rack loading, reagent management, or slide rack removal.
- Water usage is conserved with the automated water flow control. Wash station water flow is only operational when slide/racks are processing.

Optional loading and unloading stations

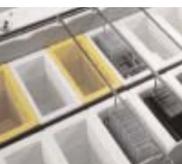
Optional loading and unloading stations are available to increase capacity and assist in workflow management by providing even more reagent capacity and allowing batch loading and unloading of racks.



Ergonomic design

The low height and shallow depth of the instrument allows easier access to reagent containers and slide racks. This new design eliminates unnecessary high lift over.

Continuous agitation of the slide racks during processing enhances reagent penetration and ensures the highest quality staining result. The Leica ST4040 slide rack design significantly reduces reagent carry-over.



User convenience

A special storage container keeps slide rack carriers conveniently located next to the slide rack loading zone.



The clear and logical user interface provides easy access to instrument functions.

Two separate staining protocols can be programmed for quick operation.



The reagent and wash containers are resistant to staining reagents and safe for machine washing.



Slide rack carriers are available to accommodate slide racks from most commercially available coverslippers.

...and the ability to batch load and unload



Technical data

Nominal supply voltage: 100 - 240 V AC ± 10 %
 Nominal frequency: 50/60 Hz
 Maximum power draw: 150 VA
 Working temperature range: +10 °C to + 35 °C
 Relative air humidity: maximum 80 %, non-condensing

Dimensions and weights

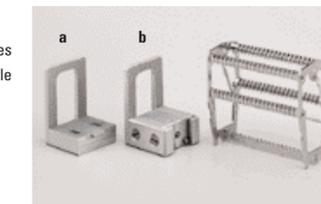
Basic instrument (W x H x D): 1435 x 444 x 436 mm
 Basic instrument with optional loading and unloading station: 1969 x 444 x 436 mm
 Optional loading and unloading station: 267 x 444 x 392 mm
 Working height: 318 mm
 Basic instrument with accessories: 73 kg
 Optional loading station: 16 kg
 Optional unloading station: 14 kg

Technical specification subject to change.

The system solution for staining and coverslipping

The Leica ST4040 combined with the Leica CV5030 coverslipper provides the ideal system solution for high throughput slide processing. Available slide rack adaptors allow the use of the 20 slide rack in the Leica CV 5030.

- CV5030 adapter for permanent installation, 20 capacity slide rack
- Individual slide rack adapter. Used when running Leica 20 and 30 slide capacity racks.



Workflow Convenience

Optimize instrument placement and laboratory workflow. Load slides on the left or right hand side of the instrument. The Leica ST4040 allows you to decide which set-up best suits your laboratory.

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● Specimen Preparation

We provide comprehensive systems and services for clinical histo- and cytopathology applications, biomedical research and industrial quality assurance. Our product range includes instruments, systems and consumables for tissue infiltration and embedding, microtomes and cryostats as well as automated stainers and coverslippers.

● Medical Equipment

Innovative technologies in our surgical microscopes offer new therapeutic approaches in microsurgery.

● Semiconductor Equipment

Our automated, leading-edge measurement and inspection systems and our E-beam lithography systems make us the first choice supplier for semiconductor manufacturers all over the world.