
Tissue-Tek Xpress® x120

Continuous Rapid Tissue Processor

Imagine... continuous
rapid processing
maximizing productivity



continuous innovation for pathology



INCREASED PRODUCTIVITY BY MORE THAN 30%

Tissue-Tek Xpress® x120, part of SMART Automation, is the logical step to enhance laboratory performance. Optimize your laboratory's productivity, while reporting better turnaround times and consistent quality, using the same resources.

One of the **key products of SMART Automation** is Tissue-Tek Xpress®x120 continuous rapid tissue processor. Laboratories are now able to keep up with the yearly increase of tissue samples without hiring more technicians. The use of resources is optimized and cases are ready to be diagnosed by a pathologist throughout the day. SMART laboratories are providing a better and faster service to even more

patients, by streamlining their processes and maximizing their productivity.

Maximize your laboratory performance by loading every 20 minutes and processing up to 120 specimens per hour. Almost every sample can immediately be processed without unnecessary waiting. Reducing time to diagnosis by more than 67% is within reach. Patients will receive their results faster and will experience less anxiety.

With formalin free processing, **molecular friendly reagents and consistent high-quality results**, it will be easy to imagine how the Tissue-Tek Xpress x120 will improve more than just productivity of your laboratory.



Optimize your laboratory's productivity and turnaround time with the same resources

Tissue-Tek Xpress x120 continuous rapid tissue processor offers:

- **Increased productivity, based on the key principles of LEAN**
- **Multiple runs per hour**
- **Reduced turnaround time by 67%**
- **Formalin and xylene free processing**

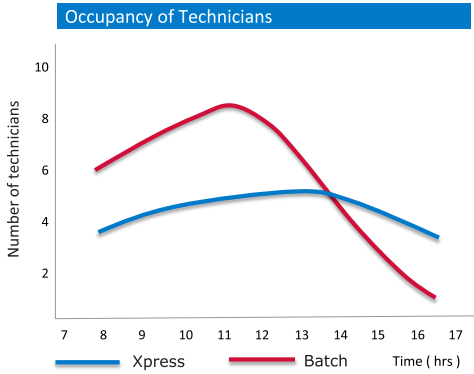


Over the past 10 years histopathology laboratories achieved impressive performance levels with SMART Automation and Xpress reported:

'Increased productivity by 30%, using the same number of technicians'

'80% of the cases are ready within 24 hours'

'Better control over the daily process'



Continuous workflow and workload levelling

Maximized productivity

Tissue-Tek Xpress x120 continuous rapid tissue processor lives up to its name by processing up to **120 cassettes per hour**.

Accommodating up to 40 cassettes in each basket, the Xpress x120 features 2 programming options that allow **continuous loading** every 20 or 35 minutes,

depending on the specimen size. In addition, the Tissue-Tek Xpress x120 permits processing biopsy and routine specimens in the same run, while maintaining specimen integrity. Specimen batching becomes a thing of the past.

No more waiting, but immediate loading. Create an **even flow of samples** through the day and **maximize laboratory productivity**.

Tissue-Tek Xpress x120 eliminates the need for reagent rotation and does not require cleaning cycles between processing runs, ensuring readiness for samples during convenient working hours.

Tissue-Tek Xpress x120 offers **rapid processing and a rapid process**.

CONTINUOUS WORKFLOW





Tissue-Tek Xpress x120

- Load up to 40 cassettes every 20 minutes
- 120 samples per hour with the standard program
- Contains one loading and two unloading stations

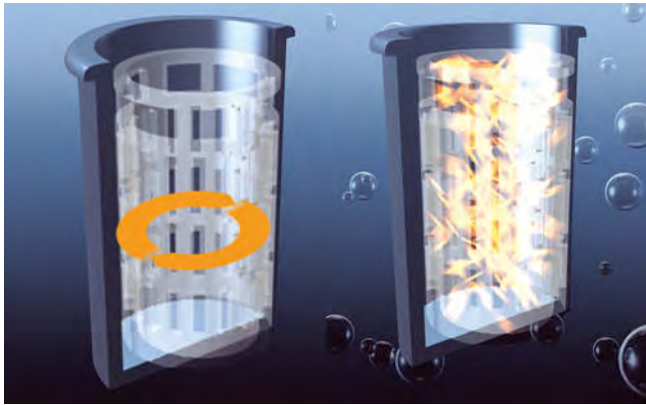
User convenience

The Tissue-Tek Xpress x120 provides **one-touch operation**. Load your cassettes and walk away.

The system is designed to provide **easy access** to the reagent system. Ready-to-use reagents are located in the front for fast retrieval and insertion. Next to this it **reduces human errors** and **hands-on-time**.



Ready-to-use quality controlled reagents



The whispering chamber effect

Exclusive agitation system

High quality and standardisation

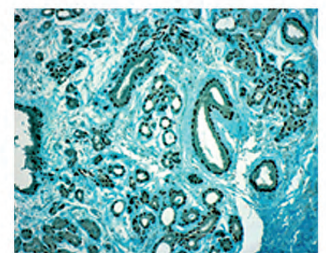
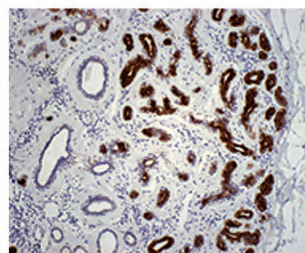
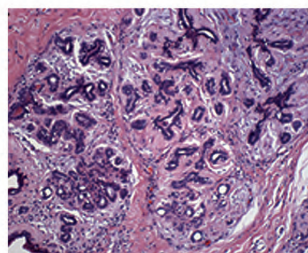
Standardised, **uniform results** for accurate diagnosis: The key to successful tissue processing. The Tissue-Tek Xpress x120 continuous rapid tissue processor provides that key by combining its trusted microwave technology with an exclusive reagent system and traditional vacuum infiltration techniques.

Tissue-Tek Xpress x120 provides **excellent morphology and nuclear details** necessary for accurate examination and diagnosis. Compatible with special staining, immunohistochemistry and molecular procedures.

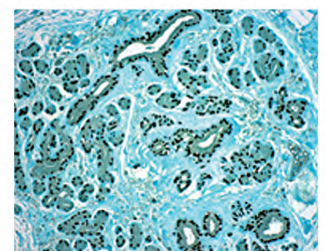
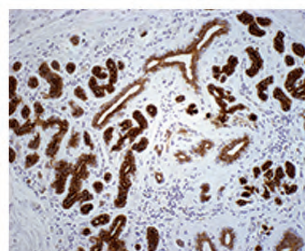
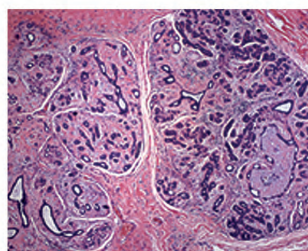
The Xpress microwave system provides gentle energy at a low level of only 60 watts. Applied in a consistent manner, the microwaves are evenly distributed in the retort to deliver uniform heating throughout the tissue. Plus, the cylindrical shape and material used for each retort help avoid overheating or causing hot or cold spots, as seen in conventional microwave processing.

This technology is complemented by a unique system of 4 onboard reagents. These ensure highly accurate results, yet contain no formalin or xylene, **preserving DNA, RNA and proteins** in the paraffin block.

Conventional processing



Tissue-Tek® Xpress® x Series processing





Safety and patient care

Although the Tissue-Tek Xpress x120 is compatible with formalin, its reagents and solutions contain no formalin or xylene, helping laboratory staff **avoid unnecessary exposure to hazardous chemicals**. And for even greater safety and convenience, histotechnologists can place reagents in the Tissue-Tek Xpress x120 without getting into direct contact with the solutions.

SMART Automation and **standardisation** of routine processes eliminate errors and variations in end results, leading to consistent high quality and reduction in rework.

Millions of patients around the world have benefited from **better and faster diagnosis**.



Millions of patients have benefited from SMART Automation

SPECIFICATIONS

Throughput

Up to 120 specimens per hour

Capacity

Continuous loading Up to 40 cassettes,
every 20 or 35 minutes

Unloading capacity Up to 80 cassettes

Retorts

Load station: 1 station

Microwave stations: 2 retorts

Vacuum stations: 2 retorts

Unload stations: 2 stations

Temperature ranges

Microwave stations 51°C +/- 2°C

Vacuum stations 65°C +/- 2°C

Dimensions

W170 x D71 x H163 cm

Weight

460 kg



PRODUCT ITEMS

Item code	Description	Item code	Description
7722	Tissue-Tek Xpress® x120 continuous rapid tissue processor, 230 V, 50/60 Hz	7115	Pre-processing solution
7103	40-Cassette basket with handle and lid	7120	Molecular fixative
7104	40-Cassette basket lid	7730	Xpress® x120 reagent set; 4/pcs
7006	20-Cassette magazine 4/pcs	7106	Tray liners; 100/pcs
7007	20-Cassette magazine Handle 6/pcs	7107	Activated carbon filter
7108	Loading station container with lid	7147	Uninterrupted power supply
7109	Basket transportation tray		

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