

Imagine... continuous rapid processing
maximizing productivity



Tissue-Tek[®] Xpress[®] x Series

Continuous Rapid Tissue Processor

INCREASED PRODUCTIVITY BY MORE THAN 30%

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.

'Better and faster service to more patients

One of the **key products of SMART Automation** is Xpress® x120 continuous rapid tissue processors. 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 Xpress® x120 will improve more than just productivity of your laboratory.



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**



using the same resources'

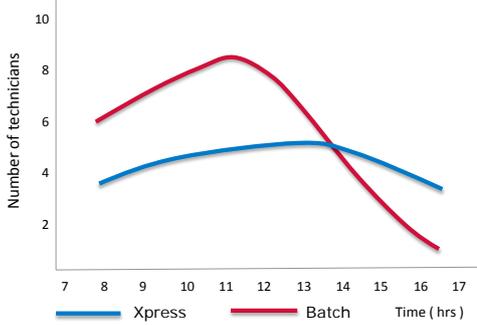
Over the past 10 years histopathology laboratories achieved impressive performance levels with SMART Automation and Xpress® reported:

'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'

Occupancy of Technicians



Continuous workflow and workload levelling

Maximized Productivity

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 Xpress® x120 permits processing biopsy and routine specimens in the same run, while maintaining specimen integrity. Specimen batching becomes a thing of the past.

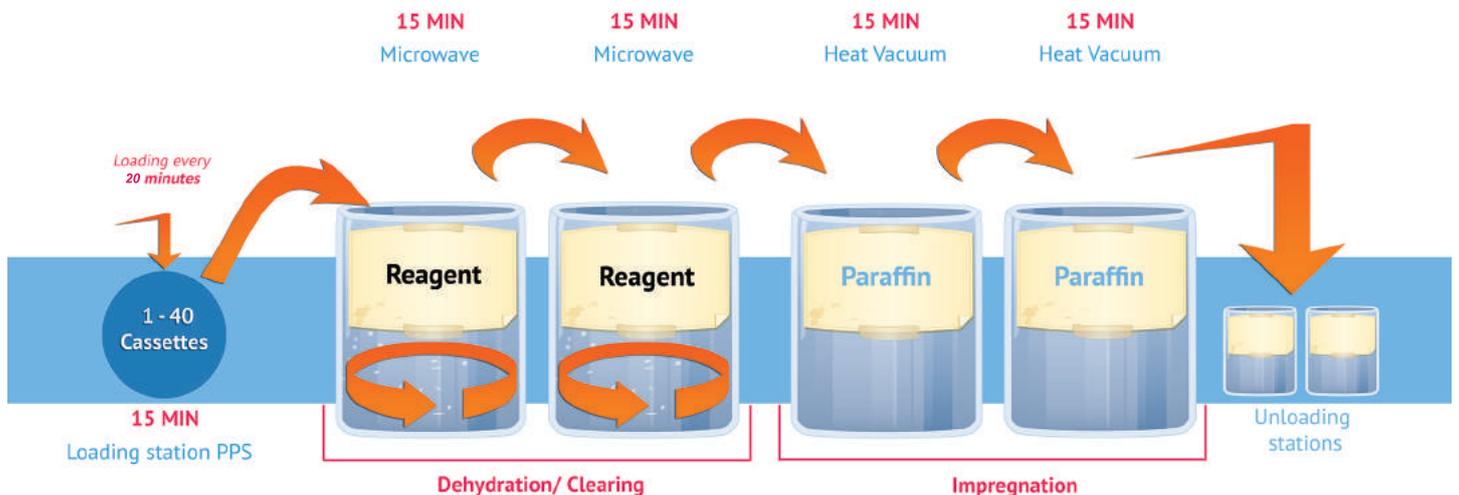
No more waiting, but immediate loading. Create an **even flow of samples** through the day and **maximize laboratory productivity**.

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.

Xpress® x120 offers **rapid processing and a rapid process**.

'Continuous efficient workflow

CONTINUOUS WORKFLOW





maximizing productivity'

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 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

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.

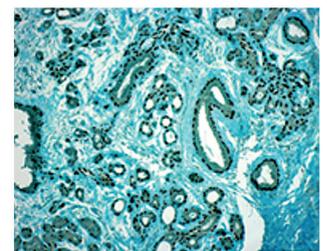
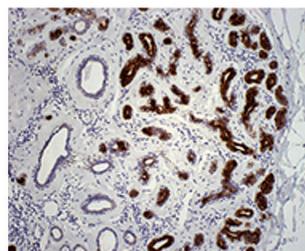
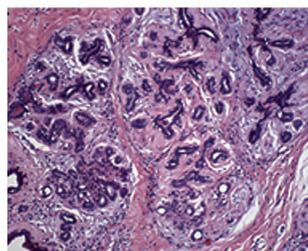
High Quality and Standardisation

Standardised, **uniform results** for accurate diagnosis: The key to successful tissue processing. The 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.

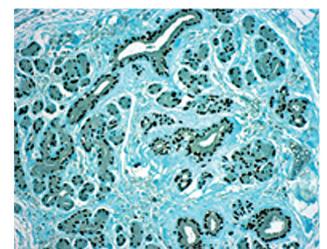
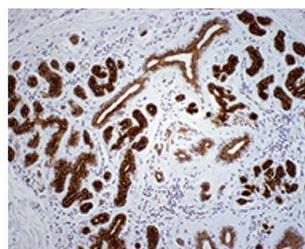
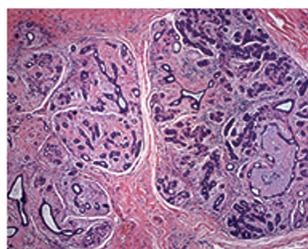
This technology is complemented by a unique system of 4 onboard reagents. These ensure highly accurate results, yet contain no formalin or xylene, **preserving DNA, RNA and proteins** in the paraffin block.

'Consistent high quality results

Conventional processing



Tissue-Tek® Xpress® x Series processing





in record time'

Safety and Patient Care

Although the 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 Xpress® x Series 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 benefitted 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 61°C 2°C

Vacuum stations 65°C 2°C

Dimensions

W170 x D71 x H163 cm

Weight

460 kg



PRODUCT ITEMS

Item code	Description
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7722	Xpress® x120 continuous rapid tissue processor, 230 V, 50/60 Hz
7103	40-Cassette basket with handle and lid
7104	40-Cassette basket lid
7006	20-Cassette Magazine 4/pcs
7007	20-Cassette Magazine Handle 6/pcs
7108	Loading station container with lid
7109	Basket transportation tray

Item code	Description
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7115	Pre-processing solution
7120	Molecular fixative
7730	Xpress® x120 reagent set; 4/pcs
7106	Tray liners; 100/pcs
7107	Activated carbon filter for x120
7147	Uninterrupted power supply



First we understand.
Then we innovate.

