I-LABEL BV
INDUSTRIAL IDENTIFICATION

X-TubeProcessor®
Smart

An expanded automation system for your tube processing application

HTI | Smart Automation

X-TubeProcessor_Smart

WATCH NOW

The compact all-rounder for your laboratory

From opening to sealing: the X-TubeProcessor®_Smart relieves your staff of the manual work with micro-screw tubes.

Set up to six racks with micro-screw tubes, press "Start", done: processing tubes with the X-TubeProcessor®_Smart is that simple. Despite its compact size, the device is a fully-fledged automation solution that can be flexibly adapted to a wide range of processes and production quantities. The X-TubeProcessor®_Smart not only ensures that your liquids are filled in exactly the right quantity and quality, it also saves time and resources. It also frees your staff from manual pipetting and the associated risks: contact with potentially hazardous substances, human errors and chronic stress symptoms (e.g. repetitive strain injury syndrome).Instead, your employees are deployed where they can develop their full potential.

Capping and Decapping of screw cap tubes

The X-TubeProcessor®_Smart System automates the capping and decapping of screw cap tubes. It is optimized for 0.5 - 2.0 ml Sarstedt Tubes. The screw caps, which are in racks, are fed from a bulk hopper.
A tube turning gripper picks up the caps from a feeder and caps the tubes agin with a pre-defined torque.
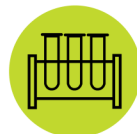
Dispensing of liquids

An optional dispenser module utilizing a peristaltic pump enables precise, sequential filling of tubes with desired reagents. Typical dispensing volumes are in the range of 25ul to 2,000 μl
The Smart module also allows easy and quick cleaning.

Labeling of tubes

Extend the X-TubeProcessor®_Smart with a labeling module for precise label applications. User-friendly software is available for designing the label layout. The individual data can be supplied via the user interface on the device or via a database connection.
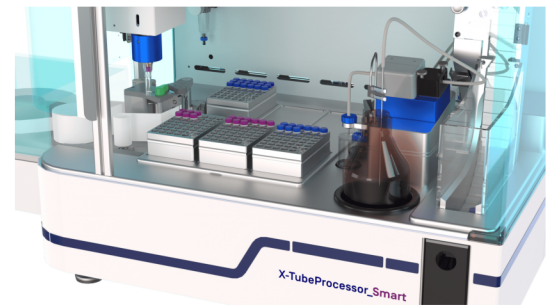
Sorting & Storage

The labor time of your employees is valuable. The X-TubeProcessor®_Smart enables a sufficient throughput without the intervention of your lab employee.
You can place up to 6 SBS racks, each with 48 tubes into the device.

X-TubeProcessor®_Smart
A Compact All-Rounder for your Laboratory

From opening to closing: The X-TubeProcessor®_Smart relieves your employees of the manual work with micro-screw tubes.

Place up to six racks of micro-screw tubes, press "Start", and it's done: Processing tubes with the XTubeProcessor®_Smart is just that simple. Despite its compact size, the device is a full-blown automation solution that can be flexibly adapted to a wide range of processes and production quantities. This makes theX-TubeProcessor®_Smart suitable for more demanding applications where space is limited.

The X-TubeProcessor®_Smart not only ensures that your liquids are filled in exactly the right quantity and quality, it also saves time and resources. Next to this you also will avoid potential risks such as: contact with hazardous substances, human errors and chronic stress symptoms (e.g. repetitive strain injury syndrome) that can occure during manual pipetting. Instead, your employees are now deployed so that their capabilities and potential are fully utilized.

Your Benefits at a Glance

- Longer walkaway time, thanks to processing of up to 6 racks
- Time-saving, sensor-stabilised and reproducible automation process
- No interference with laboratory work thanks to compact size and quiet operation
- Short delivery time (when using standard Sarstedt tubes)

- Sterile working even without a corresponding workbench thanks to HEPA-filter
- Peristaltic pump for efficient dispensing - depending on the desired accuracy, also in small quantities (recommendation: min. 50 µl)
- Retrofittable modules such as labeller, capfeeder and peristaltic pump

Process time for 6 racks with 48 tubes each
(Serial Processing)

48 Min.
Labeling

57 Min.
Dispensing and capping

96 Min.
Dispensing, capping and labeling

Functions
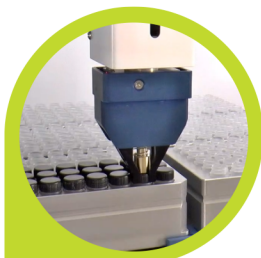of the X-TubeProcessor® _Smart

Capping

Labeling
Additional module

Dispensing
Additional module

HTI | Smart Automation

- Made in Germany
- More than 20 years of experience in the biotechnology sector
- International distributor and service network
- Comprehensive range of suitable accessories such as labels and racks
- Quality Managment according to DIN ISO 9001

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