X-TubeProcessor©

automating routine tasks in the laboratory

Laboratory personnel are confronted with new challenges every day. Monotonous recurring tasks, such as the manual processing of thousands of tubes, are

- tiring
- demoralizing
- stressful
- decrease productivity
- introduce errors.

The innovative **X-TubeProcessor©** provides a cost-effective solution, even for small labs. The modular all-in-one system automates tube processes and handles up to 5,000 screw-cap tubes per day:

Sort · Open · Fill · Label · Scan · Close · Transfer

This flexible system optimises laboratory workflow and adapts to customer needs. The **X-TubeProcessor©** was developed in close cooperation with customers and is constantly being updated and expanded with new modules.

HTI bio-X specializes in laboratory automation. Along with the **X-TubeProcessor©**, our product portfolio includes various individual devices and integrated solutions for numerous laboratory tasks.

X-TubeProcessor©

Brighten up a dull lab

Sort · Open · Fill · Label · Scan · Close · Transfer

HTI bio-X GmbH
Am Forst 6
85560 Ebersberg / Germany

Tel: +49 (0)8092 2092-0
Fax: +49 (0)8092 2092-28
info@hti-bio-x.com

www.hti-bio-x.com

X-TubeProcessor©

automating tube handling

- **Sort**
- **Open**
- **Fill**
- **Label**
- **Scan**
- **Close**
- **Transfer**

HTi bio-X

X-TubeProcessor©
flexible automatic processor for a range of laboratory tasks

X-TubeProcessor©
adapts for everyday laboratory activities

The functional equipment system optimises throughput in the lab and boosts productivity. The basic device is extremely versatile: thanks to its modular structure, it can be tailored to a wide variety of laboratory conditions and configured to suit individual needs.

In addition the conventional tasks of

Opening & **Closing**,

the **X-TubeProcessor©** can be extended with the following functions:

Sort — Tubes are supplied to the tube feeder as bulk items and sorted into racks.

Fill — Dispensing and pipetting modules fill the tubes quickly and precisely.

Label — Labeller modules print labels and apply them to the tubes.

Scan — Readers capture the tube barcodes.

Transfer — The finished tubes are placed in racks, in final packaging or into an output store.

X-TubeProcessor©
boosts efficiency in the lab

- Effectively supports laboratory work.
- Works quickly and reliably.
- Relieves staff of monotonous routine tasks.
- Easy touchscreen operation.
- Compact, space-saving system.

X-TubeProcessor©
features

- Automatically opens or closes 96 tubes in just 10 minutes.
- Processes up to 5,000 tubes per day.
- Supports various rack formats, tube sizes and lid types.
- Stand-alone system or integrated into a lab automation solution.
- Sensor-based process monitoring.

X-TubeProcessor©
innovative modular system

X-Capper **base device**

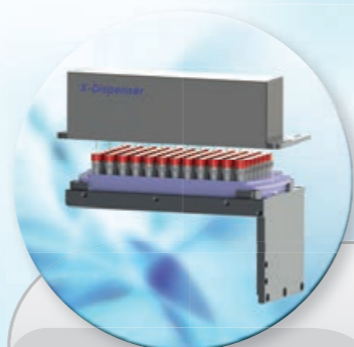Individually configurable and extensible — **Open** **Close**

X-Cap-Feeder_M
Feed
- Accessory module for screw cap feeding
- Cap supply in a container
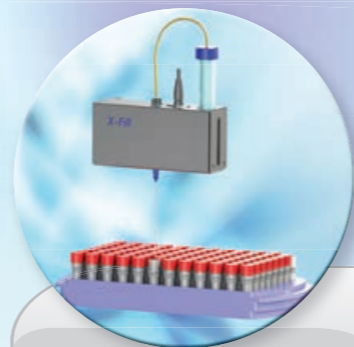- Automatic feed to capper

X-Tube-Feeder_M
Sort
- Accessory module for bulk tube feeding
- Tube supply from a container
- Automatic tube separation and feeding to capping module

X-Dispense_M
Fill
- Accessory module for tube filling
- Tubes filled in parallel
- Reagents from 5 µl to approximately 50 ml per tube
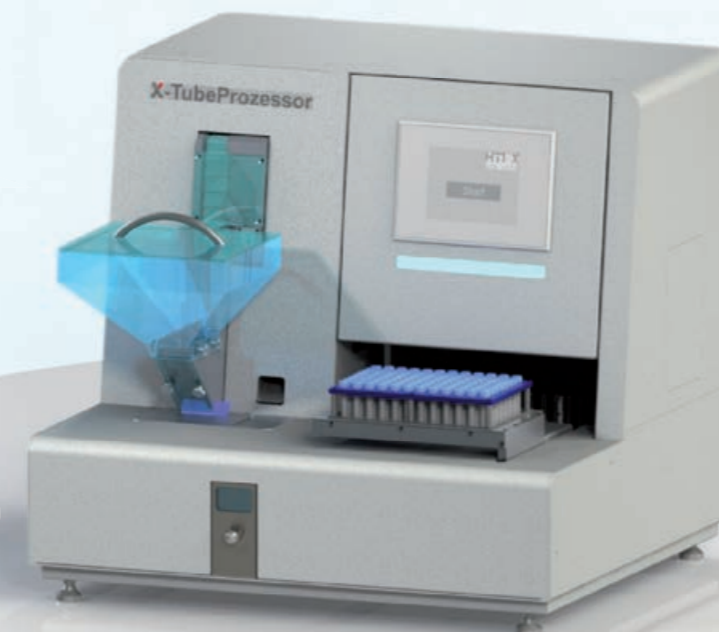- Powders from 1 to 100 mg per tube

X-Fill_M
Fill
- Accessory module for individual tube filling
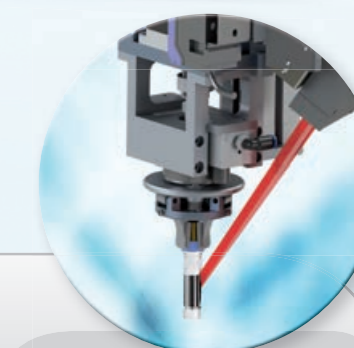- For small reagent volumes from 5 to 100 µl per tube

X-Label_M
Label
- Accessory module for printing and labelling
- Applies labels to tubes
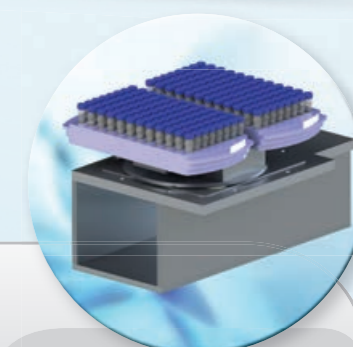- User-defined label designs
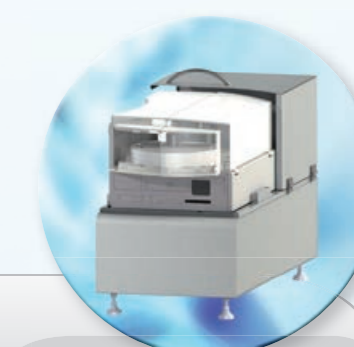
X-Read_M
Scan
- Accessory module for scanning tubes and / or racks
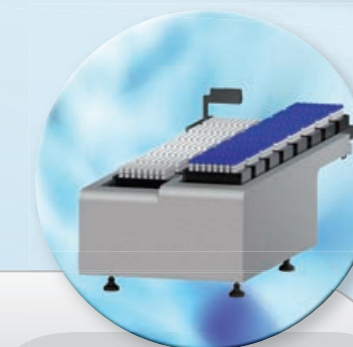- Scans 1D or 2D codes

X-Twin-Rack-Feeder_M
Transfer
- Accessory module for feeding two racks to the capper
- Racks are placed on a turntable and returned to the turntable on output

X-Rack-Feeder_M
Transfer
- Feeder for processing several tube racks in the capper