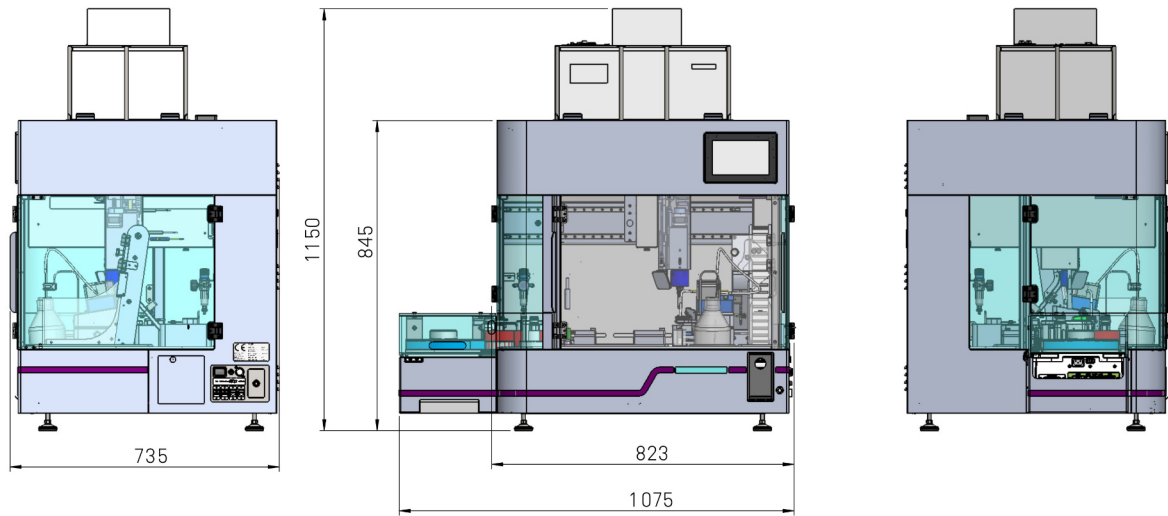


X-TubeProcessor®_Smart



BASIC DEVICE

Dimensions:

height:	84.50 cm standard size / 115.00 cm with HEPA-Filter
depth:	73.50 cm
width:	82.30 cm standard size / 107.50 cm with labeller

Weight:

without labeller	approx. 72 kg
with labeller:	approx. 85 kg
with labeller and HEPA-filter:	approx. 95 kg

Electrical Supply:

operating voltage:	100–240 VAC/50–60 Hz
power:	280 W

Pneumatic Supply:

50 l/min dry air @ min. 6 bar

Connections:

electrical inlet, pneumatic inlet, USB connection, ethernet connection

Ambient Conditions:

room temperature:	15 °C to 35 °C
humidity:	10 % to 80 %

Modules:

robotic arm:	Universal-Turning-Gripper [patent pending]
rack holding plate:	6 SBS racks with 48 tubes each [customer specific racks after technical evaluation]
cap feeder:	capacity of 1000 caps, with Quick-Empty function
touchpanel:	5 : 3 screenformat 800 × 480 pixels 7 inch
housing:	aluminium, cleanable with regular detergents

Software:

integrated Linux based control software

ADDITIONAL UNITS

Label Printer:

type:	Cab Axon thermotransfer printer
max. label height:	25 mm
resolution:	600 dpi
labeldesign software:	Cablable S3 [other software after individual clarification]
operating voltage:	100–240 VAC/50–60 Hz
power:	100 W

Liquid Handling Module:

type:	Watson Marlow peristaltic pump
dispensing volumes:	> 50µl
calibration:	calibration software tool
accuracy:	from 1–5 % depending on amount, density and tubing diameter
available tubing:	ID Ø 0.5 mm, ID Ø 0.8 mm, ID Ø 1.6 mm
source vessel:	500 ml, 1 l
suction-/dispensing-canula:	available per each size of tubing stainless steel autoclavable
additional options:	Wall-Touch unit Empty-Bottle Detection unit

HEPA-Filter System:

sterility class:	DIN EN ISO 14644 Class 5
filter type:	filter class H 14
operating voltage:	100–240 VAC/50–60 Hz
power:	85 W

APPLICABLE TUBES & CAPS

Caps:

sealing:	screw cap
height:	approx. 6 mm
manufacturer:	Sarstedt SSI Biozym Greiner VWR [other caps after technical evaluation]

Tubes:

size:	0.5, 1.5 and 2ml
manufacturer:	Sarstedt SSI Biozym Greiner VWR [other tubes after technical evaluation]

SPEED [depending on procedure]

Capping Filling Labelling	Capping Filling	Capping Labelling	Capping	Labelling
200 tubes/hour	310 tubes/hour	220 tubes/hour	310 tubes/hour	370 tubes/hour