

TECHNICAL DATASHEET

X-TubeProcessor[®]_Sign



DEVICE

Dimensions

Height: 85 cm [33.5"] standard size / 130 cm [51.2"] with open door
 Depth: 73 cm [28.86"]
 Width: 90 cm [35.4"] standard size

Weight

approx. 85 kg [187.4 lbs]

Operating Data

Operating voltage: 100-240 VAC, 50/60 Hz (1ph)
 Power consumption: max. 820 W
 Room temperature: 15°C to 30 °C
 Humidity: 20 % to 80%, not condensing

Interfaces

1 Ethernet port for connecting the device to the laptop/external network
 1 Ethernet port for service access
 1 USB A port for service access

Housing

Powder coated aluminum, anodized aluminum & Plexiglas,
 Cleanable with regular detergents (housing only)

Software

Integrated based control software (compatible with Windows, Linux or MacOS)

MODULES

Robotic Arm Module

Single robotic arm
 Cartesian coordinate robotic arm with a universal rotating gripper (patent pending)

Rack Module

Capacity of 12 SBS format racks
 Aluminum racks or PP racks, depending on the user requirements
 (customer specific racks after technical evaluation)

Labeling Module*

Printer types:	CAB Axon 1.1 thermal transfer printer (ST22) CAB Axon 1.2 thermal transfer printer (BT 35)
Printing resolution:	600 dpi (Axon 1.1 & Axon 1.2)
Label core diameter:	min. 76 mm
Label roll diameter:	max. 205 mm
Label height:	12 mm 25.4 mm* (ST22), 12 mm 56 mm* (BT 35)
Label design software:	Cablabeled S3 (other software after individual clarification)

Barcode Reader Module#

Reader:	disoric ID 600 reader
Supporting codes:	1D & 2D Codes Read the bottom/body barcode on the tube / compare with provided data / store the read barcodes (after individual clarification)

CONFIGURATION TUBES/VIALS & RACKS

	Sign ST22*	Sign BT35*
Tube Diameter*	7 mm 22 mm (0.3 0.86")	16 mm 35 mm (0.6 1.37")
Tube Height*	15 mm 120 mm (0,59 4,72")	50 mm 120 mm (1,96 4,72")
Tube conicity	Change in diameter max. 0.8 %	
Typical applicable tube types†	Micro screw tubes, cryo vials, HPLC vials, centrifuge tubes or similar up to 15 ml (and many more)	Centrifuge tubes from 15 ml up to 50ml (and many more)

THROUGHPUT [DEPENDING ON PROCEDURE]

Labeling:	Up to 360 tube/hour‡
------------------	----------------------

* Modules/Units might vary depending on the tubes/vial's configuration

† Technical verification always required

Optional Module

‡ Throughput might vary depending on the tubes/vials, racks & label configuration