

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:	di-soric 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**

	<b>Sign ST22*</b>	<b>Sign BT35*</b>
<b>Tube Diameter*</b>	7 mm – 22 mm [0.3 – 0.86"]	16 mm – 35 mm [0.6 – 1.37"]
<b>Tube Height*</b>	15 mm – 120 mm [0,59 - 4,72"]	50 mm – 120 mm [1,96- 4,72"]
<b>Tube conicity</b>	Change in diameter max. 0.8 %	
<b>Typical applicable tube types†</b>	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]**

<b>Labeling:</b>	Up to 360 tube/hour‡
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\* 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