

-20°C
+4°C

STT300

Compact Sample
Picking Line

- Small Footprint
- Removable Cassettes
- Supports all Industry Standard Tube and Plate Types
- High Density Tube Rack Compatible

BiO.Li.X!

STT300



Automated StoreX System for Robotic Integration and Stand-alone use

Compact, fast, and reliable storage solution for stand-alone and integrated applications. The STT300 is a fully automated random access tube storage system combined with an ultra-stable climate.

Climate conditions are precise and stable. The small StoreX STT300 transfer gate opening guarantees extremely stable and reproducible

environmental conditions for your samples. Excellent climate stability and fast recovery times allow frequent sample accesses while maintaining climate conditions.

The STT300 includes a powerful – yet simple to use – software interface. As a result, working with the STT300 is intuitive and easy.

Capacity				
Manufacturer	Volume	Thread	SD*	HD**
LVL	0.3ml	external	24000	34500
	0.5ml	external	18240	26220
	1.0ml	external	11520	16560
	2.0ml	external	6240	7800
Micronic	0.3ml	external	24960	35880
	0.75ml	external	17280	24840
	1.0ml	external	14400	20700
	1.4ml	external	11520	16560

Thermo™***	0.3ml	internal	22080	
	0.5ml	internal	13440	
	1.0ml	internal	10560	
Azenta®***	0.3ml	internal	18240	
	0.5ml	external	17280	
	1.0ml	external	11520	
	1.9ml	external	6240	

* Standard density
** High density
*** No HD-format available

Specifications				
		STT300-DC2		STT300-DF
Application		Dry Storage		Deep Freezer
Temperature Range (HT)	°C	4 – 25		-20 – 0
Temperature Stability	°C	+/- 1.5		+/- 0.3
Relative Humidity	%	4 – 50		02 – 45
Communication		Web-Interface, Standard REST API		
User Software	OS	Windows 11		
Facility Requirements		208V / 60Hz; 230V / 50Hz; Switchable		
Power Consumption	W	1200		1200

Application				
	Purged Gas	Measured Gas	Storage Temperature	Achievable Gas Level
Dry Storage	Dry Air	Water Vapor	+4°C to +25°C	Below 10% relative Humidity
			-20°C	Reduced Humidity****
Oxygen Reduced Storage	Nitrogen	Oxygen	+4°C to +25°C	> 95% N ₂ resulting in below 5% Oxygen level
			-20°C	> 95% N ₂ resulting in below 5% Oxygen level
CO ₂ Enriched Storage	CO ₂	CO ₂	+4°C to +25°C	Up to 20% CO ₂
			-20°C	Up to 20% CO ₂

**** For storage temperature of -20°C: Loading and unloading samples causes air exchange. As an effect, humidity will rise. Frequent loading of samples may therefore result in higher humidity.

Tube Picker Configurations		
Features	Basic Single Head; 1 Format	Multifunctional Dual Head; 2 Formats
Pick 96 Format Tubes	✓ *****	✓ *****
Pick 48 Format Tubes	✓ *****	✓ *****
Pick 24 Format Tubes	✓ *****	✓ *****
Pick Multiple Formats with same diameter	✓	✓
Change Format in the Future	✓	✓
1D Side Code Scanner with rotatable head	✓ *****	

***** Selected on Order
***** Any two combined
***** Optional Feature

Options & Accessories

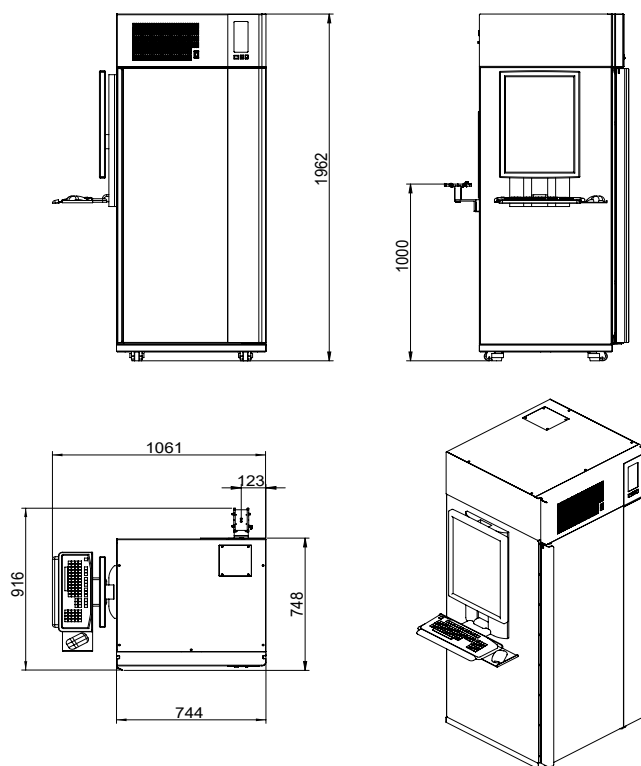
- 2D Rack Tube Scanner
- 1D Rack Code Reader
- Vision System (Camera)
- Various Types Transfer Stations
- Web-Interface
- Standard REST API
- Remote Control
- Customized Solutions available

Rack Loading and Unloading Speed

Up to 240 racks can be loaded or unloaded per hour

Dimensions

length x depth x height (mm)	744 x 748 x 1962 (29.3 in x 29.45 in x 77.25 in)
Weight (kg)	~ 340 (~ 750 lbs)



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