LiCONiC
INSTRUMENTS

200°C
70°C
-20°C

LiCotel

Automated Plate Hotels for Robotic Integration

Initially designed on customer request, LiCONiC Plate Hotels have become the most popular workhorses in thousands of applications requiring automated open storage space. Back in the early 90's LiCONiC for the first time introduced fully automated storage with single plate random access capability.

Today LiCONiC offers the most complete selection of plate hotels that cover all needs of modern laboratory automation. All LiCONiC Plate Hotels support full-random access. Unique flexibility is built into the design. Various options and a huge selection of accessories make each plate hotel configurable to best meet the specific needs of any integration.

Designed and built especially for automation, LiCONiC's Plate Hotels provide full remote operation while maintaining extremely simple integration. Many years of experience and close focus on highly specialized technology made LiCONiC's LiCotel-Series plate hotels the market's most trusted choice for automated plate storage solutions.

Main Features

- Capacity - from 44 to 880 MTP-equivalent size plates and beyond
- Compact - the smallest footprints in the industry
- Fast - loading times down to 3 seconds
- Multiple configurations – bench-top, stand-alone, under-bench or movable
- Easy integration - 100% software compatible
- LiCONiC's unique True Orbital Shaking from 1-6mm

Plate Hotel Series and Product Overview

LPX Series

LPX Plate Hotels are the classic series of open storage applications. Capacity ranges from 44 to 880 MTP-equivalent locations. These instruments consist of removable cassettes that hold plates during storage and a stationary lift mechanism that handles one plate between cassettes and transfer station. The ability to handle labware from shallow high density plates to tall tip boxes, combined with great configuration flexibility and a huge variety of accessories and options, make the LPX-Series instruments a true all-rounder for open storage applications.

**LPX110**   **LPX44**

LPR Series

The LPR series is designed to make compact workstations without compromise to the functionality of the LPX series. The LPR44 and the LPR240 deliver the sample through the top surface so it can fit under any liquid handler deck or workstation. This will leave ample room on the upper surface for additional equipment and increases the capacity of any automated workflow. In addition, the star-like concept will save thousands of dollars by eliminating the need for special transfer-stations or special extended robotic arms. These unique features are achieved by adding a second vertical axis that extends the lift above the top of the instrument. With the periscope delivery system, extended grippers or complicated robotic arms become obsolete. The implementation of multiple transfer stations to greatly increase workflow by reducing bottlenecks at the transfer-location has become straightforward by this unique design.


LPR44   **LPR240**

OEM Series

LiCotel OEM plate hotels make LiCONiC's LiCotel technology available to customers who have need for larger numbers of instruments over longer periods of time. OEM versions seamlessly match into specific applications by adopting any given design, color and / or features. OEM Plate Hotel Series are manufactured in large volumes over long periods with frozen design and competitive pricing.
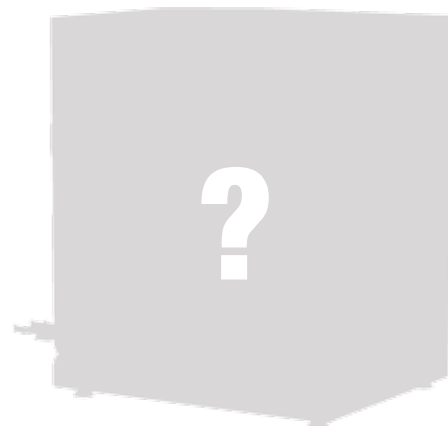
Capacities

Because of the instrument's extreme flexibility, capacity-specifications are normalized to MTP-equivalent size plates assuming 17mm height that includes the plate plus its lid. Capacities of LiCotel-Series instruments range from tiny 44 to massive 880 MTP-equivalent plates.

LPX740
LPX440
LPX880
LPX280
LPR240
LPX56
LPX220
LPX44
LPR44
LPX110
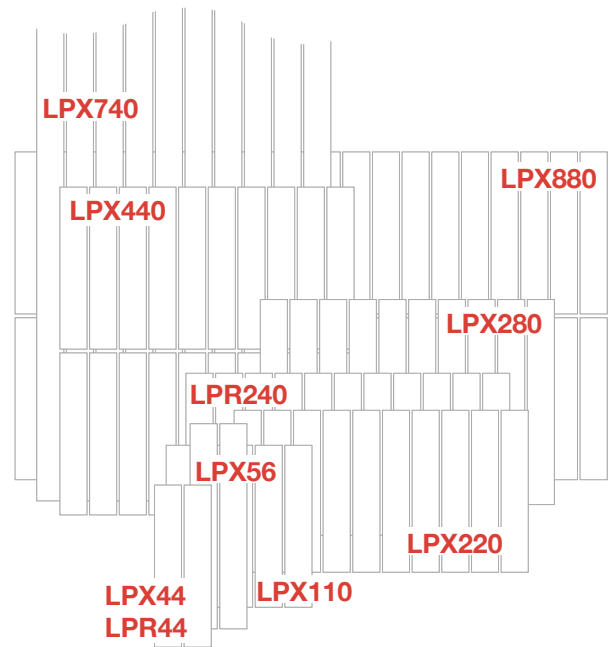
The LiCotel Series instruments are incredibly fast. In addition to high speed plate transfer where applicable, intelligence has been added in order to guarantee safe and gentle plate motion. As a unique feature, speed can be adjusted to specific application's needs.

PlateReady Times Distribution
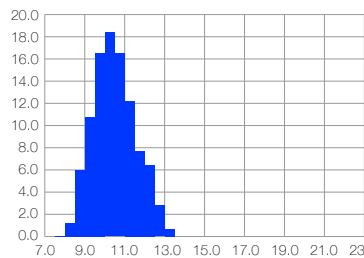
Access Times Distribution
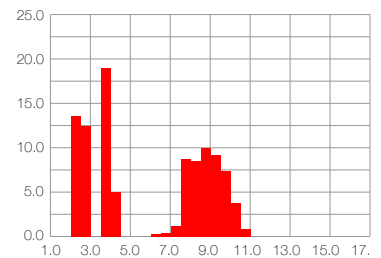
Above plots show typical access times for a LPX110. LiCONiC's PlateReady information allows for even further increase of throughput.

Configurations

LiCotel Plate Hotels have been designed for integration into fully automated laboratory applications. For seamless integration, maximum flexibility has been implemented in the instrument's system design. Next to the classic bench-top integration, integrations where the instrument stands on the floor or even integrations where the instrument is located under the platform (LPR-Series) become possible. Great flexibility is added by allowing to freely chose the locations of the operator panel, connector panel and – of course – the transfer station. Even multiple transfer location are possible.


BT
SA
IT
Case B
Case C
*Standard
Case A.2
Case A
Case D
Case A.1
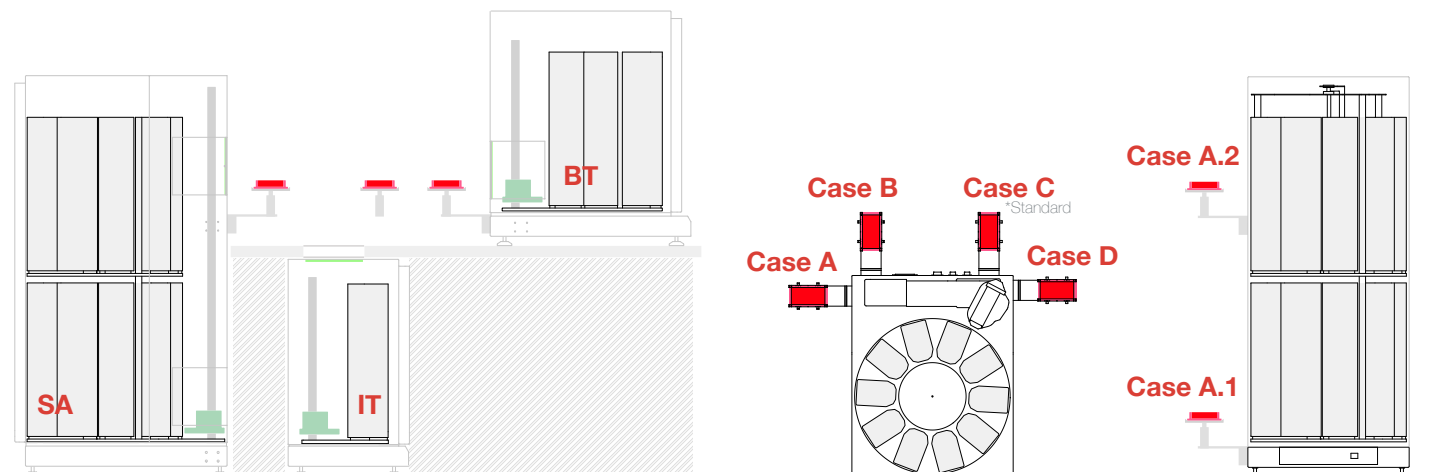
Options

	Series	
	LPX	**LPR**
Barcode Reader	✓	✓
Shaking	✓	✓
Side Gate	✓	✓
Docking Shuttle	✓	
Plate Presence Sensor	✓	✓
Petri Dish Capability	✓	✓
Bioreactor Tube Handling	✓	✓
iMotion Intelligent Speed Management	✓	✓
Configurable User Panel Location	✓	✓
Configurable User Port Location	✓	✓
Configurable Transfer Height	✓	✓
Configurable Number of Transfer Ports	✓	✓
Dual Transfer Station	✓	✓
OEM System Design		✓

Accessories

Series		
LPX	**LPR**	
✓	✓	Cassettes
✓		Standard Transfer Station
✓	✓	Swap Station
✓	✓	Active Alignment Transfer Station
✓	✓	Slide Station
✓	✓	Parallel Transfer Station
✓		Lift Station
✓		Turn Transfer Station
✓	✓	Shuttle Transfer Station
✓	✓	Petri Dish Transfer Station
✓	✓	Side Access Slide
✓	✓	Gripper Station
✓	✓	GUI Sample Management Software
✓		Table Interface
✓	✓	Bioreactor Tube Rack
✓		Modular Cascading System

Dimensions

LPX740
LPX440
LPX880
LPX56
LPX280
LPX220
LPX110
LPX44

200mm
100mm

LPR240
LPR44
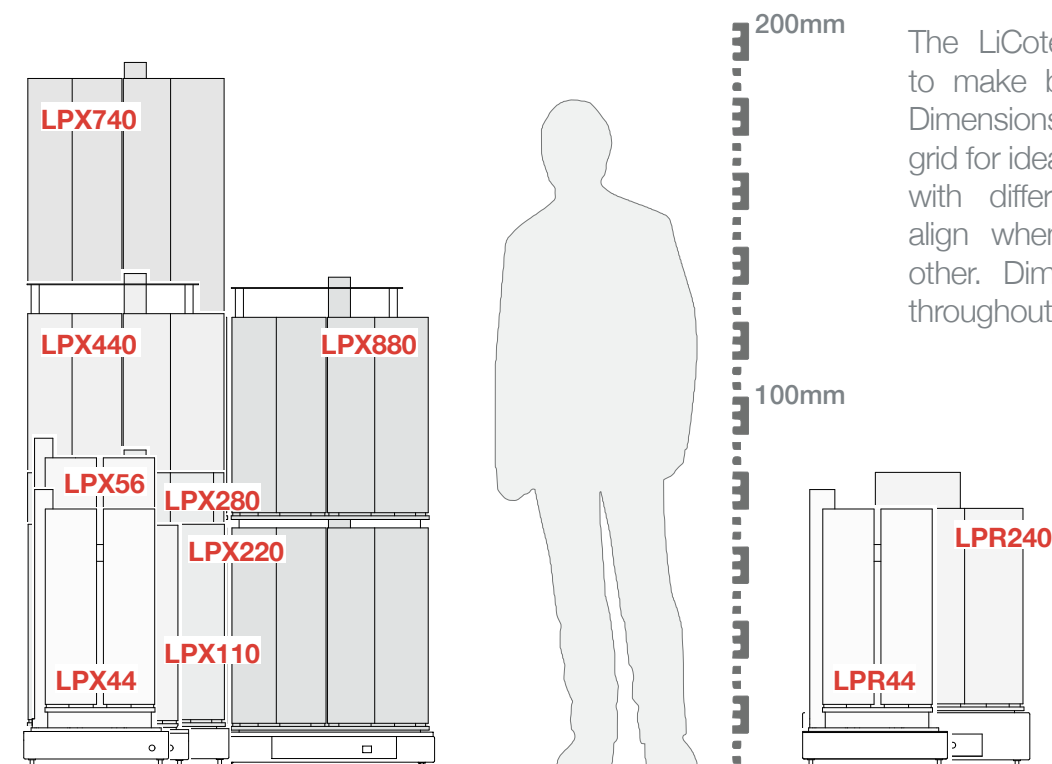
The LiCotel Plate Hotels are built to make best use of given room. Dimensions are kept in a consistent grid for ideal mix&match. Instruments with different capacity perfectly align when set up next to each other. Dimensions remain identical throughout different configurations.

LiCONiC
INSTRUMENTS

Worldwide Presence
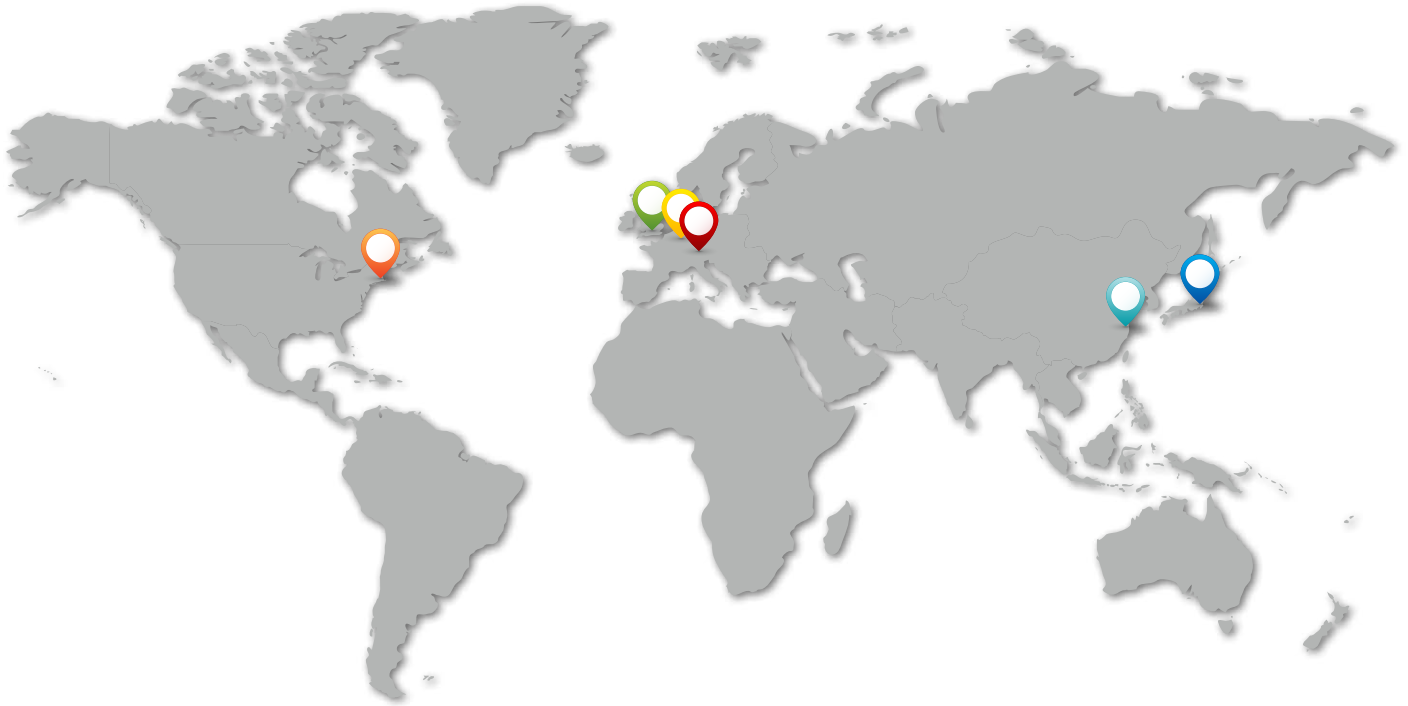
CORPORATE
LiCONiC AG

LiCONiC AG
Industriestrasse 8-12
9493 Mauren
Principality of Liechtenstein

Phone:	+423 37 36 33 9
Fax:	+423 37 35 35 9
E-Mail:	info@liconic.com
	sales@liconic.com
	service@liconic.com

LiCONiC Services
Deutschland GmbH

Bahnhofsplatz 3
D-56410 Montabaur
Germany

Phone:	+49 2602 997 4557
Fax:	+49 2602 997 4559
E-Mail:	info.de@liconic.com
	sales.de@liconic.com
	service.de@liconic.com

LiCONiC UK Ltd

BioHub
Alderley Park
Macclesfield
Cheshire, SK10 4TG
United Kingdom

Phone:	+44 (0) 1618 752 542
	+44 (0) 1618 752 543
Fax:	+44 (0) 1618 752 540
E-Mail:	info.uk@liconic.com
	sales.uk@liconic.com
	service.uk@liconic.com

LiCONiC US, Inc.

21-F Olympia Ave
Woburn, MA 01801
USA

Phone:	+1 (781) 309-3340
Fax:	+1 (781) 537-6173
E-Mail:	info.usa@liconic.com
	sales.usa@liconic.com
	service.usa@liconic.com

LiCONiC Japan K.K.

2-2-15 Daiya Bldg 2F
Hamamatsu-cho, Minato-ku
Tokyo Japan 105-0013

Phone:	+81 3 6841 0707
E-Mail:	info.japan@liconic.com
	sales.japan@liconic.com
	service.japan@liconic.com

LiCONiC China Co. Ltd

1-B102, No.3891, Jinxiu Rd
Shanghai (201204),
R.P.China

Phone:	+86 186-2156-0603
E-Mail:	info.china@liconic.com
	sales.china@liconic.com
	service.china@liconic.com

Asia:

Phone:	+1 (760) 522-2455
E-Mail:	info.asia@liconic.com
	sales.asia@liconic.com
	service.asia@liconic.com

www.liconic.com