

LSSP SPIN FREEZER

MECHATECH
SYSTEMS

TECHNICAL VACUUM EXCELLENCE SINCE 2008

**INCLUDES 5 INTERCHANGEABLE CARRIERS INSIDE VACUUM
CHAMBER TO FACILITATE FREEZING AND PRIMARY DRYING**

enquiries@mechatechsystems.co.uk
+44 (0) 1454 414723

The LSSP Spin Freezer is a self-contained vacuum chamber which is designed to facilitate both the freezing and primary drying of samples in glass ampoules.

The LSSP is designed to operate as a low speed centrifuge. It utilizes evaporative cooling and centrifugation to freeze samples in a thin layer on one side of each ampoule for faster drying.

A simple timer can be set to automatically stop rotation when samples are fully frozen. Primary drying (sublimation of ice) then proceeds under vacuum.

For maximum versatility, LSSP is supplied complete with 5 interchangeable carriers constructed of aluminium, each capable of handling different sized ampoules (ampoules not supplied).

The LSSP Spin Freezer speed is 500 RPM at 50Hz. Time ranges can be set from 9 seconds to 999 hours. 230V, 50Hz supply (alternative supply available upon request).

The carriers will accommodate ampoules as follows:

Quantity:	Capacity:	Max OD:
96	0.5 ml ampoules	8.0 mm
64	1.0 / 2.0 ml ampoules	10.9 mm
36	3.0 ml ampoules	12.9 mm
24	5.0 ml ampoules	14.9 mm
14	10 ml ampoules	17.95 mm

Other sizes can be quoted upon request.

The LSSP Spin Freezer is compatible with the following freeze dryer condensers:

[LyoDry Compact Benchtop](#)

[LyoDry Benchtop Pro](#)

[LyoDry Midi](#)

[LyoDry Midi Pro](#)

Modulyo

Supermodulyo



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MechaTech Systems Ltd,
Unit 9 Brunel Way,
Thornbury Industrial Estate,
Thornbury, Bristol, UK. BS35 3UR
Registered in England and Wales No. 06469333

www.mechatechsystems.co.uk

