

LYODRY BENCHTOP PRO FREEZE DRYER

TOUCH SCREEN, DATA LOGGING, TRENDS
PRESSURE CONTROL, -55°C OR -85°C CONDENSER



[LyoDry Benchtop Pro Freeze Dryer](#) features all of the advantages of our entry level model, the [LyoDry Compact Benchtop Freeze Dryer](#), but is designed for more closely controlled freeze drying applications, with touch screen control and enhanced functionality including data logging, pressure control, real time and historical temperature and pressure trends, ethernet comms and USB.

A modular freeze dryer, it can be used with a choice of drying chambers and accessories for bulk or flask drying. If used with the LSAD6H Heated Tray Accessory, then complex pressure/temperature profiles can be controlled accurately and reproducibly without operator intervention.

LyoDry Freeze Dryers are UK designed, manufactured and supported by MechaTech Systems Ltd, used and endorsed by universities, government research institutes, pharma and food manufacturers, in the UK and globally.

The LyoDry Benchtop Pro Freeze Dryer incorporates all features of the standard LyoDry Compact Benchtop Freeze Dryer...

CONDENSER TEMPERATURE -55°C OR -85°C	CFC FREE ICE CONDENSER, ICE CAPACITY 5Kg
MODULAR - CHOOSE YOUR PREFERRED DRYING CHAMBER / MANIFOLD	FULLY STAINLESS STEEL CABINET
HOT GAS DEFROST	DIRECT REPLACEMENT FOR MODULYO FREEZE DRYER

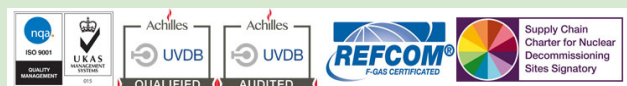


...occupying the same footprint, with enhanced functionality:

WIDE SCREEN TOUCH OPERATOR INTERFACE WITH ICONS FOR EASY NAVIGATION	REAL TIME AND HISTORICAL TRENDRING OF TEMPERATURE AND PRESSURE VALUES
DATA-LOGGING	PRESSURE CONTROL
PASSWORD PROTECTION	ALARMS HISTORY
ETHERNET COMMS AND USB	MULTIPLE PROFILE CREATION IF USED WITH HEATED TRAY ACCESSORY

MechaTech Systems Ltd, Unit 9 Brunel Way,
Thornbury Industrial Estate, Thornbury, Bristol, UK. BS35 3UR.
Registered in England and Wales No. 6469333

www.mechatechsystems.co.uk



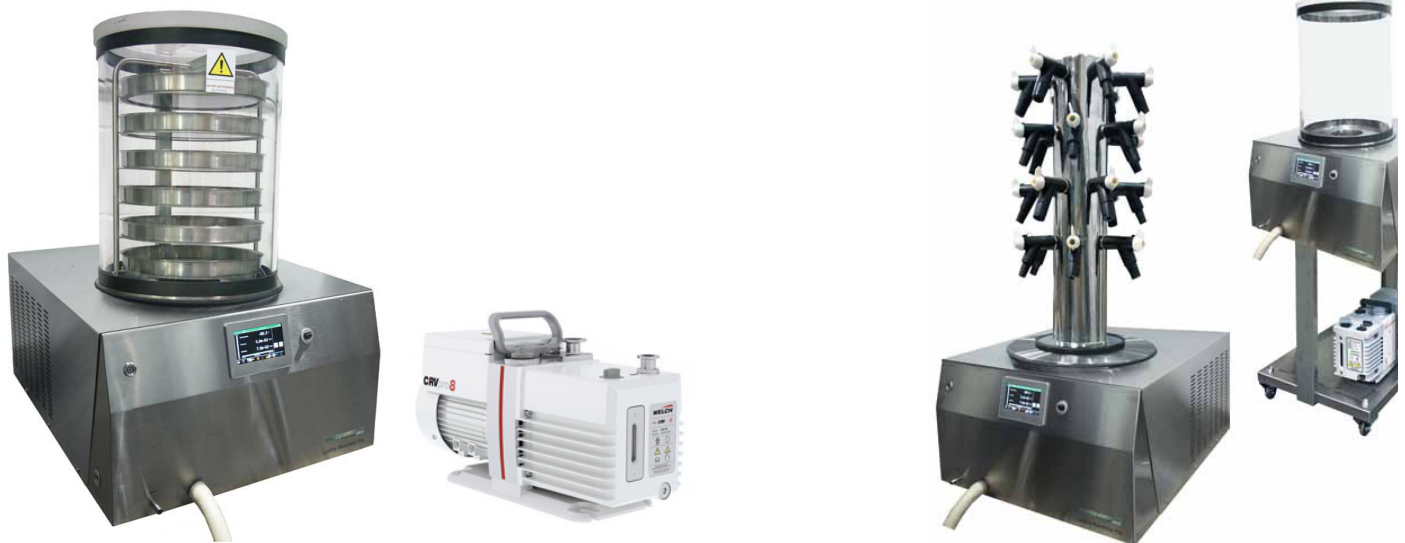
© MechaTech Systems 2022 - All rights reserved

LYODRY BENCHTOP PRO FREEZE DRYER

TECHNICAL SPECIFICATION



Part number and model	LSB55P LyoDry Benchtop Pro	LSB85P LyoDry Benchtop Pro
Maximum condenser chamber volume	7.2 litres	7.2 litres
Ice removal capacity (in 12 hours)	1.2kg (2.6 lbs)	1.2kg (2.6 lbs)
Ice removal capacity (in 24 hours)	2.3kg (5.1 lbs)	2.3kg (5.1 lbs)
Maximum ice capacity	5kg (11 lbs)	5kg (11 lbs)
Operating temperature (based on tests in well vented room at 20°C ambient; condenser under vacuum with no load)	-55 °C	-85 °C
Temperature display range	Ambient to -60 °C	Ambient to -90 °C
Pressure display range	0.01 mbar to 1000 mbar	0.01 mbar to 1000 mbar
Pressure control range	0.05 - 1 mbar	0.05 - 1 mbar
Data transfer port	USB	USB
Refrigeration compressor type	2/3 hp hermetic unit - CFC free	1/2 / 1/3 hp hermetic unit CFC free
Dimensions (H x W x D)	332 x 455 x 600 mm	332 x 555 x 685 mm
Weight	55kg (121 lbs)	77kg (170 lbs)
Power requirements	230VAC/50 Hz, 1.9 kW	230VAC/50 Hz, 2.3 kW
	115VAC/60 Hz	115VAC/60 Hz



Add a drying accessory, such as the Acrylic Chamber and Tray Accessory, vacuum pump, and optional, purpose built SS trolley for a complete, freeze drying solution.

VIEW THE FULL RANGE OF LYODRY / MODULYO FREEZE DRYER ACCESSORIES AND SPARES [ONLINE](#), OR CONTACT OUR SALES TEAM FOR FURTHER INFORMATION

CONTACT US FOR A QUOTATION AND/OR FURTHER INFORMATION:
enquiries@mechatechsystems.co.uk | +44 (0) 1454 414723

MechaTech Systems Ltd, Units 9 Brunel Way,
Thornbury Industrial Estate, Thornbury, Bristol, UK. BS35 3UR.
Registered in England and Wales No. 6469333

www.mechatechsystems.co.uk



© MechaTech Systems 2022 - All rights reserved