



Product Range

Cold Storage

Clean Air

Lyo

Laboratory Division

Product Range

Laminar Flow & Biosafety cabinets

Operator, product & environment protection

- Microbiological safety cabinets (EN 12469 Class II, NSF 49 Class II Type A2)
- Microbiological safety cabinets (NSF 49 Class II Type B2)
- Microbiological safety cabinets (EN 12469 Class III)
- Isolators

Product protection

- Vertical laminar flow benches
- Horizontal laminar flow benches

Operator protection

- Extraction cabinets

Cold Storage

- Ultra low temperature freezers
- Portable freezers
- Laboratory freezers
- Laboratory refrigerators
- Laboratory freezer/refrigerator combinations
- Bloodbank refrigerators
- Ice flake machines

Freeze Dryers

- Laboratory freeze dryers

Wireless monitoring & alarm system

- Wireless Lab

Microbiological Safety Cabinets - EN 12469 Class II, NSF 49 Class II Type A2

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
Bio II Advance Series Bio II Advance 3 Bio II Advance 4 Bio II Advance 6	1049 x 759 x 1260 1354 x 759 x 1260 1964 x 759 x 1260 	954 x 605 x 587 1259 x 605 x 587 1869 x 605 x 587	295 m³/h 402 m³/h 620 m³/h ---- 0,35 m/s	• Microprocessor control with alarms and parameters • Ergonomic sloped sliding/hinged window (laminated safety glass) • Two splash-proof power sockets • UV germicidal kit • Two HEPA filter stages	• Support frame (fixed or electrical) • Formalin vaporiser • Taps (gas, vacuum, nitrogen, etc.) • Activated charcoal filter • Anti blow-back valve • Thimble • FAT / SAT / IQ / OQ
BioVanguard Series BioVanguard 3 BioVanguard 4 BioVanguard 5 BioVanguard 6	1068 x 794 x 1602 1373 x 794 x 1602 1678 x 794 x 1602 1983 x 794 x 1602 	875 x 550 x 744 1180 x 550 x 744 1485 x 550 x 744 1790 x 550 x 744	300 m³/h 400 m³/h 540 m³/h 650 m³/h ---- 0,36 - 0,45 m/s	• Energy saving EC fans • Low sound level • GMP and PIC's compliant • Microprocessor control with alarms and parameters • User-friendly control • Ergonomic sloped sliding/hinged window (laminated safety glass) • Pre-filter & drip tray • 2 x electrical socket • Two HEPA filter stages	• Support frame (fixed or electrical) • Electrical window • Additional electrical sockets • UV light • Taps (natural gas, vacuum, N₂, O₂ etc) • Anti-blow back valve • Decontamination connection • Exhaust transition • Thimble • FAT / SAT / IQ / OQ
BioVanguard B 4 BioVanguard B 6	1373 x 794 x 2262 1983 x 794 x 2262 	1180 x 550 x 744 1790 x 550 x 744	400 m³/h 650 m³/h ---- 0,36 - 0,45 m/s	BioVanguard B additionally equipped with: • 1st HEPA filter section (three HEPA filter stages in total)	
EuroFlow Series EF 4 EF 5 EF 6	1333 x 844 x 1552 1638 x 844 x 1552 1943 x 844 x 1552 	1190 x 605 x 725 1495 x 605 x 725 1800 x 605 x 725	300 m³/h 400 m³/h 500 m³/h ---- 0,36 m/s	• Microprocessor control with alarms and parameters • User-friendly control • Sliding/hinged window (laminated safety glass) • Two HEPA filter stages	• Support frame (fixed or electrical) • Electrical socket(s) • UV light • Taps (natural gas, vacuum, N₂, O₂ etc) • Anti-blow back valve • Decontamination connection • Exhaust transition • Thimble • Pre-filter & drip tray (optional for EF)
EF/B 4 EF/B 6	1333 x 844 x 2202 1943 x 844 x 2202 	1190 x 605 x 725 1800 x 605 x 725	400 m³/h 600 m³/h ---- 0,36 m/s	EF/B additionally equipped with: • 1st HEPA filter section (three HEPA filter stages in total)	• FAT / SAT / IQ / OQ • Special requests such as: • microscope • heating plate • etc

Total Exhaust Cabinet - Microbiological Safety Cabinets - NSF 49 Class II Type B2

Note: Dedicated exhaust system required

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
EF/B TE 4 EF/B TE 6	1333 x 844 x 2262 1943 x 844 x 2408 	1190 x 605 x 725 1800 x 605 x 725	1350 - 1580 m³/h 2025 - 2375 m³/h ---- 0,36 - 0,45 m/s	• Microprocessor control with alarms and parameters • Sliding/hinged window (laminated safety glass) • Pre-filter & drip tray • Total exhaust • Duct connection • One (downflow) HEPA filter stage • 1st HEPA filter section (two HEPA filter stages in total)	• Support frame (fixed or electrical) • UV light • Taps (natural gas, vacuum, N₂, O₂ etc) • Decontamination connection • FAT / SAT / IQ / OQ

Total Exhaust Cabinet

Note: Dedicated exhaust system required

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
EF TE 4 EF TE 6	1333 x 844 x 1612 1943 x 844 x 1766 	1190 x 605 x 725 1800 x 605 x 725	1350 - 1580 m³/h 2025 - 2375 m³/h ---- 0,36 - 0,45 m/s	• Microprocessor control with alarms and parameters • Sliding/hinged window (laminated safety glass) • Pre-filter & drip tray • Total exhaust • Duct connection • One (downflow) HEPA filter stage	• Support frame (fixed or electrical) • UV light • Taps (natural gas, vacuum, N₂, O₂ etc) • Decontamination connection • FAT / SAT / IQ / OQ

Microbiological Safety Cabinets - EN 12469 Class III

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
MSC III Series MSC III 1200 MSC III 1500 MSC III 1800 Hatch	1757 x 791 x 1240 2057 x 791 x 1240 2357 x 791 x 1240 	1194 x 614 x 870 1494 x 614 x 870 1794 x 614 x 870	300 m³/h 300 m³/h 300 m³/h Exhaust connection Ø 250 mm	• Microprocessor control with alarms and parameters • User-friendly control • Sloped hinged window (laminated safety glass) • 1,5 – 2 mm Stainless Steel • One hatch • Two HEPA filter stages	• Positive or negative pressure • Zero, one or two hatches • Advanced PLC control • Decontamination connection • Dunk tank • UV light • Alcohol shower • Storage shelf • FAT / SAT / IQ / OQ

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
IsoFlow Series Isoflow 4 Isoflow 6 Hatch	1250 x 755 x 2500 1860 x 755 x 2500 485 x 755 x 1610	1208 x 550 x 750 1805 x 550 x 750	250 m³/h 450 m³/h 225 m³/h ---- 0,36 - 0,45 m/s Exhaust connection Ø 250 mm	• Microprocessor control with alarms and parameters • Sloped window (laminated safety glass) • Stainless Steel in- and exterior • Laminar air flow • Fast recovery time within hatch • Inflatable gaskets • Interlock system • Sliding tray in hatch • User-friendly control • Ergonomic and adjustable arm- and feet rests • Two HEPA filter stages • One HEPA filter stage in hatch	• Positive or negative pressure • Zero, one or two hatches • Advanced PLC control • Decontamination connection • Dunk tank • UV light • Alcohol shower • Storage shelf • FAT / SAT / IQ / OQ
		 1 st HEPA filter	250 m³/h 450 m³/h ---- 0,36 - 0,45 m/s Exhaust connection Ø 250 mm	IsoFlow B additionally equipped with: • 1st HEPA filter section (three HEPA filter stages in total)	
CS Series CS 1201 CS 1801 Hatch	1300 x 835 x 1760 1900 x 835 x 1760 465 x 360 x 356	1200 x 580 x 685 1820 x 580 x 685	250 m³/h 450 m³/h ---- 0,35 - 0,45 m/s	• Microprocessor control with alarms and parameters • Laminated safety glass window • Stainless Steel in- and exterior (304) • Sliding tray in hatch • Two HEPA filter stages • One HEPA filter stage in hatch	• Positive or negative pressure • One or two hatches • Stainless Steel 316 • UV light • Alcohol shower • Storage shelf • FAT / SAT / IQ / OQ
			250 m³/h 450 m³/h ---- 0,35 - 0,45 m/s	CS ..02 additionally equipped with: • 1st HEPA filter section (three HEPA filter stages) • Second HEPA filter stage in hatch	

Vertical Laminar Flow Benches

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & DOWNFLOW VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
V-100 Series PV-100 AV-100 BV-100 CV-100	802 x 845 x 1290 1260 x 845 x 1290 1565 x 845 x 1290 1870 x 845 x 1290	722 x 580 x 700 1230 x 580 x 700 1535 x 580 x 700 1840 x 580 x 700	605 m³/h 1028 m³/h 1282 m³/h 1537 m³/h ---- 0,40 m/s	- Digital control panel: Monitoring elapsed time of fan, UV, alarms, lighting, (normal or UV) and UV irradiation programmable time - HEPA filter H14 - Power socket in working area - Stand by air speed	- Support frame - UV germicide kit - Taps (gas, vacuum, nitrogen, etc.) - Alarm system to indicate clogging of HEPA/ULPA filter
V-30/70 Series PV-30/70 AV-30/70 BV-30/70 CV-30/70	802 x 845 x 1290 1260 x 845 x 1450 1565 x 845 x 1450 1870 x 845 x 1450	722 x 580 x 700 1230 x 580 x 700 1535 x 580 x 700 1840 x 580 x 700	605 m³/h 1028 m³/h 1282 m³/h 1537 m³/h ---- 0,40 m/s	V-30/70 additionally equipped with: Double HEPA filter (in impulsion and exhaust)	V-30/70 additional option: Activated charcoal filter
Mini V/PCR	670 x 520 x 1125	630 x 500 x 570	454 m³/h ---- 0,40 m/s	Mini V/PCR additionally equipped with: UV germicide kit	- Support frame - Tap (gas, vacuum, nitrogen) (max. one) - Front window
DLF Series DLF 360 DLF 460 DLF 560 DLF 660	985 x 740 x 1360 1290 x 740 x 1360 1595 x 740 x 1360 1900 x 740 x 1360	885 x 600 x 685 1190 x 600 x 685 1495 x 600 x 685 1800 x 600 x 685	0,36 m/s	- Microprocessor control with alarms and parameters - Low sound level - Sliding window (safety glass) 1,5 - 2 mm epoxy coated steel - Stainless Steel 304 worktop - One HEPA filter stage	- Support frame - Taps (natural gas, vacuum, N₂, O₂ etc) - Electrical socket(s) - Stainless Steel bar with (6 or 8) hooks - FAT / SAT / IQ / OQ - Stainless Steel 304 interior * - UV light * - Aperture cover *
DLF PCR Series DLF PCR 360 DLF PCR 460 DLF PCR 560 DLF PCR 660	985 x 740 x 1360 1290 x 740 x 1360 1595 x 740 x 1360 1900 x 740 x 1360	885 x 600 x 685 1190 x 600 x 685 1495 x 600 x 685 1800 x 600 x 685	0,36 m/s	DLF PCR additionally equipped with: - Stainless Steel 304 interior - UV light - Aperture cover	* Standard included in DLF PCR Series

Horizontal Laminar Flow Benches

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	EXHAUST VOLUME & HORIZONTAL VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
H-100 Series AH-100 MH-100 BH-100	1260 x 845 x 1290 1565 x 845 x 1290 1870 x 845 x 1290 	1200 x 600 x 770 1505 x 600 x 770 1810 x 600 x 770	1260 m³/h 1580 m³/h 1900 m³/h ---- 0,40 m/s	- Digital control panel: Monitoring elapsed time of fan, UV, alarms, lighting (normal or UV) and UV irradiation programmable time - Power socket in working area - Stand by air speed	- Support frame - UV germicidal kit - Gas, vacuum and nitrogen tab - Stainless steel bar with 4 hooks - Alarm system to indicate clogging of HEPA/ULPA filter - Class 10, particle counting certification - IQ OQ certifications
Mini H	798 x 795 x 1157 	745 x 625 x 800	860 m³/h ---- 0,40 m/s		
CLF Series CLF 475 CLF 575 CLF 675	1290 x 890 x 1350 1595 x 890 x 1350 1900 x 890 x 1350 	1190 x 580 x 730 1495 x 580 x 730 1800 x 580 x 730	0,45 m/s	- Microprocessor control with alarms and parameters - Low sound level - Sloped side windows (safety glass) 1,5 - 2 mm epoxy coated steel - White laminated worktop	- Support frame - Taps (natural gas, vacuum, N₂, O₂ etc) - Stainless Steel 304 worktop - Electrical socket(s) - UV light - Stainless Steel bar with (6 or 8) hooks - FAT / SAT / IQ / OQ

Extraction Cabinets

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	AIR VELOCITY	STANDARD EQUIPPED WITH	OPTIONS
NEG GreenLine NEG 2 NEG 3 NEG 4 NEG 5 NEG 6	680 x 750 x 1000 985 x 750 x 1000 1290 x 750 x 1000 1595 x 750 x 1000 1900 x 750 x 1000 	580 x 450 x 605 885 x 450 x 605 1190 x 450 x 605 1495 x 450 x 605 1800 x 450 x 605	0,45 m/s *	- Energy saving EC fans - Low sound level - Ergonomically sloped side window (safety glass) - User-friendly control - Easy replaceable HEPA- and pre-filter - Fan free of contamination - Waterproof coated plywood body - Manufactured according standards of L.N.A. (Laboratory of Dutch Pharmacists)	- With or without worktop - Support frame - FL light - FAT / SAT / IQ / OQ
NEG 2 AP NEG 3 AP	690 x 620 x 800 995 x 620 x 800 	627 x 370 x 470 957 x 370 x 470	* adjustable by operator		

Cold Storage

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	RANGE	STORAGE CAPACITY	STANDARD SPECS	OPTIONS
Igloo ULT Upright freezers U445 U570 U830 U445-45 U570-45 U830-45	705 x 901 x 1991	490 x 608 x 1500	-86 °C	445 l	- VIP insulation - Standard Stainless Steel interior - Insulated Stainless Steel inner doors - Ecological refrigeration - Low power consumption - Low sound level - Microprocessor control on eye level	- Storage racks & boxes - Chart Recorder - Water cooled condenser - CO₂ and LN₂ backup system - IQ/OQ - Wireless monitoring & alarm
	845 x 901 x 1991	630 x 608 x 1500	-86 °C	570 l		
	1135 x 901 x 1991	920 x 608 x 1500	-86 °C	830 l		
	705 x 901 x 1991	490 x 608 x 1500	-45 °C	445 l		
	845 x 901 x 1991	630 x 608 x 1500	-45 °C	570 l		
	1135 x 901 x 1991	920 x 608 x 1500	-45 °C	830 l		
						
Igloo ULT Chest freezers C370 C620 C820 C370-45 C620-45 C820-45	1267 x 872 x 1073	725 x 660 x 784	-86 °C	370 l	- VIP insulation - Standard Stainless Steel interior - Ecological refrigeration - Low power consumption - Low sound level - Microprocessor control on sloped panel	- Storage racks & boxes - Chart Recorder - Water cooled condenser - CO₂ and LN₂ backup system - IQ/OQ - Wireless monitoring & alarm
	1742 x 872 x 1073	1200 x 660 x 784	-86 °C	620 l		
	2142 x 872 x 1073	1600 x 660 x 784	-86 °C	820 l		
	1267 x 872 x 1073	725 x 660 x 784	-45 °C	370 l		
	1742 x 872 x 1073	1200 x 660 x 784	-45 °C	620 l		
	2142 x 872 x 1073	1600 x 660 x 784	-45 °C	820 l		
						
Portable freezers SF8025 SF4025	695 x 350 x 460	335 x 225 x 340	-86 °C	25 l	- Stirling cooling system - True portability (18 Kg empty) 12 V or 230 V - Low power consumption - Low sound level - Microprocessor control	- Storage basket - Trolley - UPS power backup - Car cigarette plug - IQ/OQ
	695 x 350 x 460	335 x 225 x 340	-45 °C	25 l		
			-20 °C +4 °C			
Slimline Laboratory freezers LF130 LDF130 LF700 LDF700 LF1400	630 x 567 x 850	540 x 415 x 460	-20 °C	130 l	- Highest temperature uniformity and recovery - Standard Stainless Steel interior - Ultra safe temperature control and alarm - Low power consumption - Low sound level - Microprocessor control on sloped panel	- Sliding drawers or shelves boxes - Chart Recorder - Lexan inner doors - Natural refrigerants - IQ/OQ - Wireless monitoring & alarm
	630 x 567 x 850	540 x 415 x 460	-30 °C	130 l		
	710 x 800 x 1985	590 x 675 x 1380	-20 °C	610 l		
	710 x 800 x 1985	590 x 675 x 1380	-30 °C	610 l		
	1420 x 800 x 1985	1300 x 675 x 1380	-20 °C	1325 l		
						

MODEL	EXTERNAL DIMENSIONS mm (WxDxH)	INTERNAL DIMENSIONS mm (WxDxH)	RANGE	STORAGE CAPACITY	STANDARD SPECS	OPTIONS
Slimline Laboratory refrigerators						
LR130	630 x 567 x 850	540 x 415 x 460	+4 °C	130 l	• Highest temperature uniformity and recovery	• Sliding drawers or shelves boxes
LR130G	630 x 567 x 850	540 x 415 x 460	+4 °C	130 l		• Chart Recorder
LR700	710 x 800 x 1985	590 x 675 x 1380	+4 °C	610 l	• Standard Stainless Steel interior with drawers	• Lexan inner doors
LR700G	710 x 800 x 1985	590 x 675 x 1380	+4 °C	610 l		• Natural refrigerants
LR1400	1420 x 800 x 1985	1300 x 675 x 1380	+4 °C	1325 l	• Ultra safe temperature control and alarm	• IQ/OQ
LR1400G	1420 x 800 x 1985	1300 x 675 x 1380	+4 °C	1325 l		• Wireless monitoring & alarm
LRF300	710 x 800 x 1985	590 x 675 x 590 (x2 compartments)	-35 °C/+4 °C	2 x 286 l	• Low power consumption • Low sound level • Microprocessor control on sloped panel	
						

Wireless monitoring & alarm system

	PLUG & PLAY DATA CONTROL	SENSORS
	Wireless Lab is the plug & play solution for easy monitoring and safe storage of (temperature) data. Monitor your laboratory equipment without using any paper, installation time or software. Just check your equipment performance on every PC with internet access. Additionally you can receive temperature alarms on your mobile phone or e-mail address. Data transfer with Ethernet and or GPRS. Data accessible on www.wirelesslab.eu	-200 to +200 °C 0 to 20 % CO₂ 0 to 100 % RH other sensor inputs possible: 0-10 V 4-20 mA digital inputs

Laboratory Freeze Dryers

MODEL	CONDENSER CAPACITY	CONDENSER TEMPERATURE	STANDARD EQUIPPED WITH	OPTIONS
LyoQuest Series LyoQuest -55 LyoQuest -85 LyoQuest Plus Series LyoQuest Plus -55 LyoQuest Plus -85	8 l 8 l 	- 55 °C - 85 °C - 55 °C - 85 °C	• PLC controlled • Touch screen interface • Automatic or semi-automatic working mode	• Chamber with 3 thermostated shelves with manifold (optional) for vials or bulk freeze drying • 8 tube manifold 18 mm Ø for flasks (connection 29/32) • 40 tube manifold 13 mm Ø for ampoules
LyoAlfa 10/15 Plus Series LyoAlfa 10 -55 Plus LyoAlfa 10 -85 Plus LyoAlfa 15 -55 Plus LyoAlfa 15 -85 Plus	16,5 l 16,5 l 22 l 22 l 	- 55 °C - 85 °C - 55 °C - 85 °C	• PLC controlled • Touch screen interface • Automatic or semi-automatic working mode	• Chamber with 4 thermostated shelves for vials or bulk freeze drying • 12 tube manifold 18 mm Ø (connection 29 / 32) for flasks
LyoBeta Series LyoBeta 3PS LyoBeta 4PS LyoBeta 5PS LyoBeta 6PL	30 l 30 l 30 l 30 l 	- 80 °C - 80 °C - 80 °C - 80 °C	• PLC controlled • Touch screen interface • Fully programmable • Stoppering device • Valve chamber condenser • Microsuite monitoring software • Shelves temperature range: -60 to 80 °C LyoBeta 3PS: 3+1 shelves, 0.45 m² of useful surface LyoBeta 4PS: 4+1 shelves, 0.60 m² of useful surface LyoBeta 5PS: 5+1 shelves, 0.75 m² of useful surface LyoBeta 6PL: 6+1 shelves, 0.90 m² of useful surface	• Cleanroom configuration • Product trays • Spacing devices for shelf clearance adjustment • Vent filter • Vacuum control system • Sampling thief device • Side manifold • Eutectimeter • Humidity sensor • LyoSuite software

Telstar *LyoBeta Mini*

Laboratory Benchtop Freeze Dryer

NEWLY BORN

LyoBeta Mini delivers industrial freeze-dryer capabilities to your benchtop Freeze-dryer: high performance, small size.



Advanced performance

The LyoBeta range of laboratory and R&D freeze-dryers offers high specifications and advanced performance for optimum freeze-drying results throughout all stages of freeze-drying process development.

LyoBeta Mini facilitates understanding of the key parameters of a freeze-drying process and provides a very valuable tool for process scale-up at stages approaching production. LyoBeta Mini offers similar features to larger units while occupying less space in research laboratories.

A small-scale unit

Capabilities of an industrial freeze-dryer have been designed into the new compact LyoBeta Mini Freeze-dryer; enabling optimization of industrial-scale recipes on a small-scale unit.

Design features

- Highest freeze-drying performance with minimum footprint
- Standard configuration includes:
 - Touch screen for unit control with PLC
 - Shelf temperature control from -55°C to +70°C
 - 5.5 l condenser capacity
 - <-85°C condenser temperature
 - Vacuum monitoring and control
 - Temperature sensors for product and shelf monitoring
 - Aeration valve
 - Flexible shelf area
 - Automatic defrosting
- User friendly and intuitive interface for easy operation





Telstar[®] LyoBeta Mini

Laboratory Benchtop Freeze Dryer

Technical data

	LB Mini	Unit
Number of Shelves (max.)	2	-
Shelf dimensions (W x D)	386 x 224	mm
Usable shelf area (max)	0.18	m ²
Shelf temperature range	-55 to +70	°C
Condenser capacity	5.5	kg
Final condenser temperature	<-85	°C
Weight	200	kg
Dimensions (W x H x D)	941 x 755 x 630	mm



Options and accessories

- Automatic stoppering device
- Chamber-condenser isolation valve
- Venting Filter – for aeration of chamber with filtered air or Nitrogen
- Capacitance vacuum gauge (helps determine the end of primary drying)
- Microbleed vacuum control system to enable precise vacuum control
- Eutectimeter
- Sample thief for sample extraction during drying
- Moisture analyzer determines end point of primary and secondary drying
- Pressure control during stoppering process
- LyoSuite[™] SCADA software
- Product Trays



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