2Lift
LIFTING INNOVATION

Robust lift with high lifting capacity, optimized for pharmaceutical production

Ready for the future with eMobility?
Can be adapted for self-propelled driving with **Power Drive**

DESIGNED FOR SAFETY
BUILT TO LAST
GMP COMPLIANT + MADE IN DENMARK

SP-500 LIFT

Robust and reliable pharma lift with high lifting capacity, optimized to handle sensitive and precise processes in industrial production. The lift is designed to meet high hygiene standards, ensuring easy cleaning and maximum hygiene.

Lift Construction

- Full stainless steel (AISI 304); glass bead blasted surface; 1.6 Ra
- Dust and water protection class IP65, hygienic - easy to clean
- Lift column sealed with a band for dust and particle protection
- Motor enclosed in stainless steel cover
- Dimensions customizable to your needs

Safety

- Self-locking gear system (worm gear): in the event of an electrical failure, the mechanical system automatically brings the lifter to an immediate stop
- Safety slip clutch (one-way safety clutch): prevents the lifter from lifting itself and tipping backwards during downward movement

Handling

- Electric lifting process controlled via a toggle switch; lifting speed can be adjusted via the adjustment knob
- Two lifting speeds: Normal (approx. 130 mm/s) and reduced speed, pre-set to e.g. 30%. The reduced speed can be adjusted in the control box on the lift
- Lightweight and compact dimensions well suited for use in spatially demanding work areas
- Robust remote control (full metal body; high quality PU spiral cable) allows easy one-hand operation
- Ergonomic handle that allows the user different gripping positions

Power Supply

- Battery-operated
- Can be permanently connected to power (Power supply: 110-230 V AC)
- Intelligent internal battery charger - 24V 3.5A. Ensures long battery life through on-demand charging. You are always informed about the battery charge state by the integrated LED display

Maintenance

- Low maintenance AT-10 timing belt
- Very durable Solid-State PLC
- Wear-resistant parts (Wheels and maintenance-free standard batteries without memory effect)

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ACTION 1 | PROTECTION IP65 | TILT SECURE | DURABLE | COMPACT

CE

Technical Specifications

✓ Adaptable

Standard & Customised	Low	Medium	High	Customised
Totalhøjde mm	1.490	1.980	2.351	1.300-3.500
Slaglængde mm	848	1.333	1.709	639-2.839

Max. load without tool	500 kg	
IP Safety	65	
Min. - Max. lifting height	Depending on the tool	✓
Surface	AISI 304 Glass Bead Blasted	
Lifting speed	130 mm/s	✓
Control Unit	Solid State PLC	
User Control System	Remote control with E-stop for manipulators	
Overload Protection	Current monitor with cut-off	
Battery Charger	Built in – 24V 3.5A	
Battery Capacity	24 V - 45 Ah	
Power Supply	110-230V AC	
Time to charge	Max. 8 hrs.	
Number of lifts 500 kg/1m	55 per full charge	
Footprint (LxW)	1252×780 mm	
Rear Wheels	ø125 mm – with break	✓
Front Wheels	ø80 mm	✓
Length of legs*	700 mm	✓
Height of legs*	90 mm	✓
Width of legs (outside)*	560 mm	✓
Width of legs (inside)*	500 mm	✓

* Standard dimensions; customization of dimensions may be necessary depending on the mounted lifting tool.

Tool Modules

AF	Adjustable fork for handling different box sizes
AM	Adjustable mandrel for lifting rolls with a horizontal core direction
BT	Electric box tipper
DG	Edge gripper with support for pressure-sensitive barrels
DL	Neck gripper for pressure-sensitive barrels/rolls
DM	Double mandrel for lifting rolls without passing through the core
EC	Electric scissor gripper with soft rubber for barrels/boxes of 300-600 mm diameter
ELC	Electric Linear Clamping Unit for Barrels/ Rolls
ELC-ETU	Electric Linear Clamping Unit for Barrels/ Rolls with electric 180º tipping unit
ELC-MTU	Electric Linear Clamping Unit for Barrels with manuel 180º tipping unit
ERM	Electric roll manipulator
ERU-DF	Electric double fork with electric 180º rotation in both directions
ERU-DM	Electric double pin gripper with electric 180º rotation in both directions
DRU-EC	Electric 360º rotation unit with electric scissor gripper with soft rubber for items between 300-600 mm diameter
ERU-F	Electric 360º rotation unit with fork gripper for alternative box dimensions
ERU-MLC	Manual linear clamping unit for barrels with electric 180º rotation in both directions
ERU-MP	Barrel gripper with protective base plate for pressure-sensitive barrels/drums. Can rotate 90º in each direction
F	Fork for lifting a box of a given size
FN	Fork with notch for lifting rolls through the core
FTS	Fork with self-locking edge gripper, ideal for metal boxes
M	Mandrel for lifting rolls with a horizontal core direction
MC	Manual Clamp
MLC	Manual Linear Clamp
MLC-MTU	Manual Linear Clamp with Manual Tipping Unit
MP/R/E	Metal Platform without (MP)/with edge Rollers (MPR), with Edges (MPE)
MRM	Manual Roll Manipulator
MRU-MLC	Manual Rotation Unit with Manual Linear Clamp
NP	Nylon Platform
RM	Mandrel with Rollers and brake for lifting rolls with a horizontally remaining core
VB	V-block for rolling/tipping rolls. Can be manually rotated so the roll can be lifted via the core

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