

# SP-150 LIFT

Our lightest lifter in the SP line for use in cleanroom environments. With double the battery capacity of most comparable mini lifts, the SP-150 is designed for intensive workdays, every day.

Light, compact pharma lift with long battery capacity

## 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
- Dimensions customizable to your needs

## Safety

- Self-locking gear system (worm gear): In case of an electrical failure, the mechanical system will automatically bring the lift to an immediate stop
- Safety slip clutch (one-way safety clutch): Prevents the lift from lifting itself and tipping backward 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, preset to e.g. 30%. The slow speed can be adjusted in the control box on the lift

Lightweight and compact dimensions suitable for use where the working area is limited

- Robust 4-button remote control in metal with adjustable slow-remote function and high-quality PU spiral cable, making it easy to operate the lift with one hand
- Ergonomic handle that allows for various grip positions

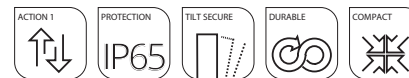
## Power Supply

- Battery-powered
- Can be permanently connected to power (Power supply: 110-230 V AC)
- Intelligent external battery charger - 24V 3.5A. Ensures long battery life through on-demand charging. Integrated LED display shows battery charge status

## Maintenance

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

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## Technical Specifications

✓ Adaptable

Standard & Customised	Low	Medium	High	Customised
Totalhøjde mm	1.500	1.974	2.350	1.300-3.500
Slaglængde mm	1.000	1.480	1.850	805-3.005

Max. load without tool	150 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 - 18 Ah	
Power Supply	230 V, 110 V	
Time to charge	Max. 6 hrs.	
Number of lifts 150 kg/1m	130 per full charge	
Footprint (LxW)	828x577 mm	
Rear Wheels	ø150 mm - Central Brake	✓
Front Wheels	Swiveling ø50 mm	✓
Length of legs*	600 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

<b>AF</b>	Adjustable fork for handling different box sizes
<b>AM</b>	Adjustable mandrel for lifting rolls with a horizontal core direction
<b>BT</b>	Electric box tipper
<b>DG</b>	Edge gripper with support for pressure-sensitive barrels
<b>DL</b>	Neck gripper for pressure-sensitive barrels/rolls
<b>DM</b>	Double mandrel for lifting rolls without passing through the core
<b>EC</b>	Electric scissor gripper with soft rubber for barrels/boxes of 300-600 mm diameter
<b>ERM</b>	Electric roll manipulator
<b>ERU-DF</b>	Electric double fork with electric 180° rotation in both directions
<b>ERU-DM</b>	Electric double pin gripper with electric 180° rotation in both directions
<b>DRU-EC</b>	Electric 360° rotation unit with electric scissor gripper with soft rubber for items between 300-600 mm diameter
<b>ERU-F</b>	Electric 360° rotation unit with fork gripper for alternative box dimensions
<b>ERU-MP</b>	Barrel gripper with protective base plate for pressure-sensitive barrels/drums. Can rotate 90° in each direction
<b>F</b>	Fork for lifting a box of a given size
<b>FN</b>	Fork with notch for lifting rolls through the core
<b>FTS</b>	Fork with self-locking edge gripper, ideal for metal boxes
<b>M</b>	Mandrel for lifting rolls with a horizontal core direction
<b>MC</b>	Manual clamp
<b>MP (-R/E)</b>	Metal platform without (MP)/with edge rollers (MPR), with edges (MPE)
<b>MRM</b>	Manual roll manipulator
<b>NP</b>	Nylon platform
<b>RM</b>	Mandrel with rollers and brake for lifting rolls with a horizontally remaining core
<b>SRU-MC</b>	Manual clamp with manual rotation
<b>VB</b>	V-block for rolling/tipping rolls. Can be manually rotated so the roll can be lifted via the core