

# SF-500 LIFT

Robust lift with high lifting capacity, optimized for food and beverage production

Ready for the future with eMobility?

Can be adapted for self-propelled driving with Power Drive

DESIGNED FOR SAFETY  
**BUILT TO LAST**  
OHS COMPLIANT + MADE IN DENMARK

This is the most powerful piece of ergonomic lifting equipment in the SF-line. Designed for prolonged daily use in demanding corrosive environments, this vertical lifter is capable of lifting up to 500 kg and able to utilise all of our lifting tools, both simple, manual and electric.

## Lift Construction

- Full stainless steel (AISI 304); glass bead blasted surface; 1.6 Ra
- Dust and water protection class IP65, hygienic - easy to clean
- 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

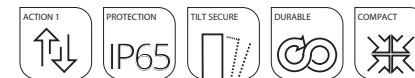
## Power Supply

- 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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## Technical Specifications

✓ Adaptable

| Standard & Customised | Low   | Medium | High  | Customised  |
|-----------------------|-------|--------|-------|-------------|
| Totalhøjde mm         | 1.500 | 1.974  | 2.350 | 1.300-3.500 |
| Slaglængde mm         | 848   | 1.333  | 1.727 | 805-3.005   |

|                            |   |   |
|----------------------------|---|---|
| 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)            | 1252x780 mm                                 |   |
| Rear Wheels                | ø125 mm - with central break                | ✓ |
| Front Wheels               | Fixed ø90 mm                                | ✓ |
| Length of legs*            | 700 mm                                      | ✓ |
| Height of legs*            | 90 mm                                       | ✓ |
| Width of legs (outside)*   | 560 mm                                      | ✓ |
| Width of legs (inside)*    | 440 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>ERU-MLC</b> | Manual linear clamping unit for barrels with electric 180° rotation in both directions                           |
| <b>AM</b>      | Adjustable mandrel for lifting rolls with a horizontal core direction  | <b>ERU-MP</b>  | Barrel gripper with protective base plate for pressure-sensitive barrels/drums. Can rotate 90° in each direction |
| <b>BT</b>      | Electric box tipper  | <b>F</b>       | Fork for lifting a box of a given size   |
| <b>DG</b>      | Edge gripper with support for pressure-sensitive barrels   | <b>FN</b>      | Fork with notch for lifting rolls through the core   |
| <b>DL</b>      | Neck gripper for pressure-sensitive barrels/rolls  | <b>FTS</b>     | Fork with self-locking edge gripper, ideal for metal boxes   |
| <b>DM</b>      | Double mandrel for lifting rolls without passing through the core  | <b>M</b>       | Mandrel for lifting rolls with a horizontal core direction   |
| <b>EC</b>      | Electric scissor gripper with soft rubber for barrels/boxes of 300-600 mm diameter                               | <b>MC</b>      | Manual Clamp   |
| <b>ELC</b>     | Electric Linear Clamping Unit for Barrels/Rolls  | <b>MLC</b>     | Manual Linear Clamp  |
| <b>ELC-ETU</b> | Electric Linear Clamping Unit for Barrels/Rolls with electric 180° tipping unit                                  | <b>MLC-MTU</b> | Manual Linear Clamp with Manual Tipping Unit   |
| <b>ELC-MTU</b> | Electric Linear Clamping Unit for Barrels with manual 180° tipping unit  | <b>MP/R/E</b>  | Metal Platform without (MP)/with edge Rollers (MPR), with Edges (MPE)  |
| <b>ERM</b>     | Electric roll manipulator  | <b>MRM</b>     | Manual Roll Manipulator  |
| <b>ERU-DF</b>  | Electric double fork with electric 180° rotation in both directions  | <b>MRU-MLC</b> | Manual Rotation Unit with Manual Linear Clamp  |
| <b>ERU-DM</b>  | Electric double pin gripper with electric 180° rotation in both directions                                       | <b>NP</b>      | Nylon Platform   |
| <b>ERU-EC</b>  | Electric 360° rotation unit with electric scissor gripper with soft rubber for items between 300-600 mm diameter | <b>RM</b>      | Mandrel with Rollers and brake for lifting rolls with a horizontally remaining core                              |
| <b>ERU-F</b>   | Electric 360° rotation unit with fork gripper for alternative box dimensions                                     | <b>VB</b>      | V-block for rolling/tipping rolls. Can be manually rotated so the roll can be lifted via the core                |