Horizontal Roll Lifter



Aligns precisely with the shafts of coating, slitting and winding machines for loading, unloading, stacking and transporting material rolls.









Electric Horizontal Roll Lifter 300 kg – 1 ton

The horizontal roll lifter is a **fully electric**stand-on lift truck equipped with **U-shaped curved roll forks** with electric width adjustment and side shift. It is designed for loading, unloading and transporting rolls in the coating, film and paper industries, and is also known as a film roll transporter or roll lifter.

The U-forks adjust in width and shift sideways electrically, allowing **precise alignment with the shafts of coating, calendering and winding machines**. Five models are available with capacities of 300 kg, 600 kg and 1,000 kg and lifting heights of 1,600 mm or 2,500 mm.

U-Fork Roll Cradle, a Complete Solution



Horizontal Roll Lifter used in the roll, printing paper, and optical film industries

When handling cylindrical rolls, the shaft through the roll core sits securely in the inner groove of the curved U-fork. The curved surface spreads the roll weight evenly, so **the roll surface is not dented**, and the locking groove holds the shaft and roll so they **cannot slip or fall**.

With electric width adjustment and side shift, the lifter handles rolls of many widths and aligns precisely with the shafts of coating, slitting and winding machines for loading, unloading, stacking and transport. Used for optical film, printing paper, copper foil, aluminum foil and battery electrode rolls.

Specifications

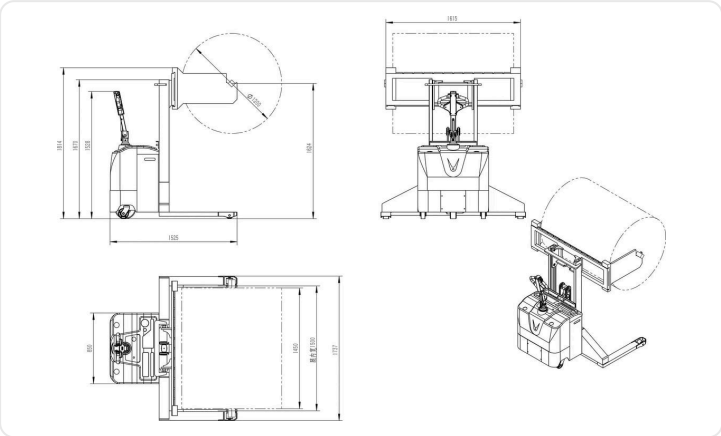
Model	FSCDD0316-CZ	FSCDD0616-CZ	FSCDD1016-CZ	FSCDD0325-CZ	FSCDD0625-CZ
Capacity (kg)	300	600	1.000	300	600
Lifting height (mm)	1.600	1.600	1.600	2.500	2.500
Truck weight (kg)	552	566	630	592	616
Dimensions L × W × H (mm)	1.247 × 1.624 × 1.941	1.850 × 860 × 1.780	1.850 × 880 × 2.100	1.850 × 880 × 2.050	1.850 × 880 × 2.050

Common specifications for all models

- **Fork width** 970 – 1,530 mm, electrically adjusted
- **Min. / max. fork height** 300 – 1,880 mm
- **Roll core** 50 mm
- **Battery** 24V / 200Ah
- **Charger** 24V / 30A
- **Lift motor** 2.5 kW
- **Rear wheels** Ø180 × 50 mm
- **Front wheels** Ø80 × 70 mm
- **Required aisle** Turning 2,100 mm, straight travel 900 mm
- **Lifting speed (laden / unladen)** 60 / 100 mm/s

- **Lowering speed (laden / unladen)** 90 / 70 mm/s
- **Brake** Electromagnetic
- **Certification** CE, ISO, TUV, GS
- **Packing** Wooden pallet 185 × 88 × 205 cm, 616 kg (model FSCDD0625-CZ)

Dimension drawing



Horizontal roll lifter dimension drawing

Industry applications



Lithium battery industry Coating shop: moving large cathode and anode electrode rolls and empty cores to and from the coater. Calendering, slitting and winding: short-distance transfer and roll changes between machines. Temporary stacking and storage of semi-finished rolls in clean rooms. Storage of copper and aluminum foil rolls and feeding to the line.



Film and optical materials industry Optical film, protective film and release film plants: loading and unloading finished and semi-finished film rolls on slitters and rewinders. Moving and high-stacking photovoltaic film, PVC and PE film rolls in film plants.



Paper and printing industry Moving and stacking large base paper and packaging paper rolls in paper mills. Loading and unloading print rolls at presses and slitting stations in color printing and packaging plants.



Other roll industries Textiles: fabric rolls and synthetic fiber rolls. Metal foil: moving small steel and aluminum coils in processing shops. Packaging: storing and feeding shrink film rolls and paper tube rolls to production.

Fork width, lifting height and capacity can be custom-designed. Contact FullSharp for advice on the right model for your material rolls and machines.

Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.