

## Bespoke Custom Design Roll and Reel Handling Equipment



We manufacture a lot of bespoke roll handling equipment because there are so many variables relating to roll size, material and customers sites. Here are a few examples of custom designed roll lifters and handlers we have designed for safe manual handling of rolls and reels.

We can offer lots of different power options such as battery electric models, manual units and pneumatic air powered units for use in hazardous areas. We also build full stainless steel pharmaceutical units and ATEX certified equipment for Zoned areas. SINOLIFT bespoke real & roll handling equipment is designed and manufactured in China allowing compliance with the Manual Handling Regulations.

SINOLIFT are experts in solving roll and reel handling problems. We have a wealth of experience working with all types of rolls and reels. If a customer tells us of a problem we can work with them until we provide them with a solution, we will even send a technical design engineer to your site to assess your requirements.



## Real & Roll Lifting Trolley

ISO9001  
CE



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### CTY1000-M700 Manual Hydraulic Reel Handling Trolley

- Roll Lifters are ideal equipment for lifting & shifting Paper, Plastics, Cloth or film rolls etc. for variety of industries where material in roll forms are handled. They lift the object with most delicately and transport these items.
- The Roll Lifters are compact in design and are hand operated where lifting is effected by hydraulic hand pump.
- The fork, mast and carriage made from high quality steel profile provides durability and sturdiness of the lifter.
- The inner mast forks and carriage assembly are fitted with sealed ball bearing rollers and side thrust rollers to prevent lateral play.
- The Roll Lifters are provided with a hydraulic system, in these lifters stackers forks are raised or lowered by hydraulic hand pump with a lift of 15 mm per stroke, and the pump is with in-built screw type release valve which facilitates smooth and stepless lowering of forks. Moreover, the Hydraulic cylinder is made from seamless tube and hard chrome plated piston rod.
- All materials and hardware items confirms ISI specification.



#### Structure

Simplex telescopic design single/two mast structure made from 'C' channel section, Supported by heavy-duty deep grooved guide rollers. Forks lifted by means of 2 Nos. Duplex/simplex chain & pulley design.



#### Hydraulic Unit

No. vertical mounted, single acting, Honed hydraulic cylinder with hard-chrome plated piston which is actuated by 1 No. hydraulic single acting hand pump.



#### Wheels

Nos. 150x50 mm. size white virgin nylon wheels at front (Handle) side & 2 Nos. 78x70 mm. size load roller wheels at rear side. All wheel contains double ball bearings for easy movement of stacker.



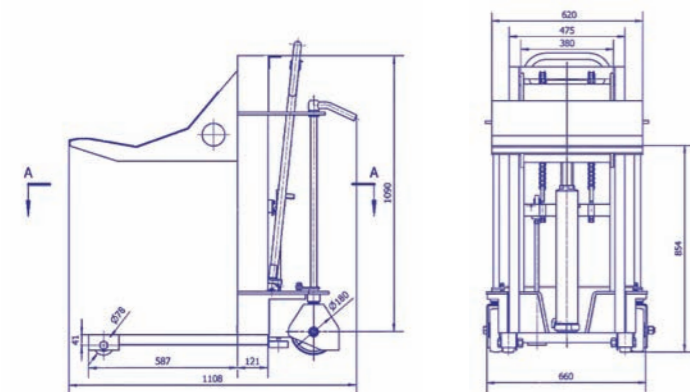
#### Handle

Inverted double 'U' shape handle for Push-Pull action of stacker.



#### Paint

One coat of primer & Two coats of auto-finish paint.



Model		CTY1000-M700
Load Capacity	kg	1000
Frame Length	mm	1108
Frame Height	mm	1090
Frame Width	mm	660
Real Max. Width	mm	Φ1400
Real Max. Diameter	mm	Φ800
Nos. of Stroke	times	1~75
Platform Max. Elevation	mm	854
Min. Steering Angle.	mm	880
Service Weight	kg	165

● Special lifting height and variety reel (bobbin) size are available.



### CTD1000-M700 Semi-electric Reel Handling Trolley

- The semi-electric roll stacker is typically used to stack and transport casing film rolls. Using a simple acting hydraulic lift and proportional hydraulic control.
- Reel cradle with hydraulic front retention.
- Loading platform for spool or reel equipped with an anchor plate operated by a hydraulic control which allows the spool to be locked in place during transport.
- Safety device system with push-button control.
- For safety there is an operator anti-crushing system, driving wheel protection and the engine lock acts as a parking brake.



#### V-pan cradles

V-Pan and/or roll post per customer specifications. The V-Pan cradles have a pivoting lip, which is lifted up automatically by a small hydraulic cylinder when the cradle is raised, helping to secure the reel. The lip lowers down to allow easy loading and unloading of the reel.



#### Hydraulic Unit

Hydraulic lifting unit through closed 1300W 12V engine, coupled by means of flange to the high pressure geared pump. The lifting/lowering control of the cylinder/post unit is activated through a lever distributor that adjusts the speed in a very sensitive way.



#### Wheels

Ergonomic casters : (2 Nos.) swivel at rear size and (2 Nos.) rigid at front side, all casters contains double ball bearings for easy movement of stacker.



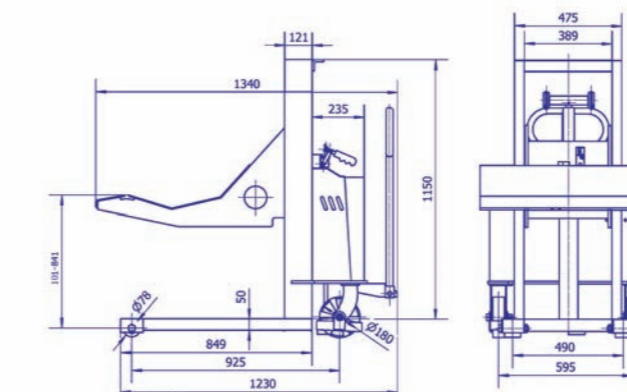
#### Foot brake

Step-down foot floor lock for added safety



#### Paint

Safety blue polyester powder coating or FDA Approved epoxy powder coating for Durability



Model		CTD1000-M700
Load Capacity	kg	1000
Max. Lift of The Plate	mm	841
Bary Load Centre	mm	500
Min. Steering Range	mm	1160
Max. Diam. of Bobbin	mm	Φ800~1400
Max. Width of Bobbin	mm	1500
Frame Height	mm	1310
Frame Width	mm	720
Frame Length	mm	1230
Wheelbase	mm	925
Front Wheels	mm	Φ78x70
Rear Wheels	mm	Φ180x50
Weight	kg	285

● Special lifting height and variety reel (bobbin) size are available.