



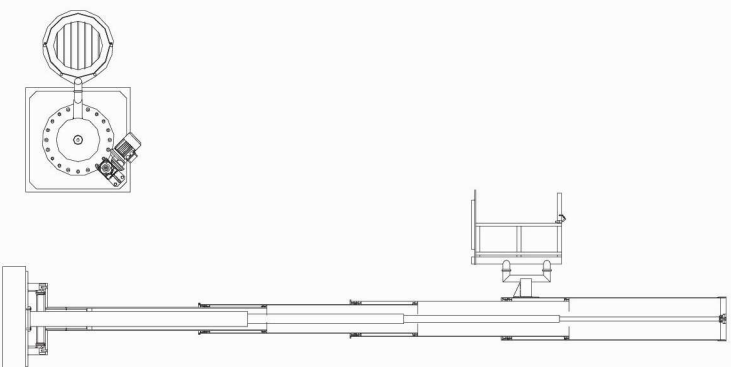
PROFILE

The **DRUM LIFT** is an elevator designed and realised to carry out the following operations:

- Elevation of cylindrical vessels of varying sizes for powders;
- Rotation of the vessels by means of electric motor (optional) which allows vessels to be rotated from +90° to -90°;
- Rotation of 270° around the vertical axis;



Drum Lift



Engineering data	u.m.	Dimension	Notes
Description			
Height	mm	min 1800 max 5000	
Width	mm	850	
Depth	mm	1280	Including drum
Vessel size	mm	700*100	Alternative sizes available upon request.
Vessel rotation	gradi	180°	Manual or motorized
Elevation column rotation	gradi	270°	Manual or motorized

DESCRIPTION

Parts

The **DRUM LIFT** is entirely realised in 304 stainless steel and it seems like a telescopic vertical structure with cylindrical shape where, inside, is positioned a hydraulic telescopic cylinder. A gearmotor, connected to a fifth wheel, permits the rotation of the column around its vertical axis.

The drum's loading station is realised in 304 stainless steel.

Operational cycle

The **DRUM LIFT** is designed to raise cylindrical vessels of max 300 kg, although vessels of greater size and weight that are suitable for the elevation column are available upon request.

The elevation of loads is performed by a hydraulic system which assures an optimal working reliability. The elevator is equipped with a control board in stainless steel for the management of the various machine parameters.

The rotation of the load bearing column around the vertical axis of 270° and the rotation of the vessel of 180° is performed by means of electric motors (optional).

Alarms and controls

The emergency button causes, upon activation, immediate halt of the machine.

During the ascent or descent of the drum the rotation of the drum to the intermediate position is compulsory. If the drum is not rotated, the system does not respond to any command. During the rotation of the column the machine does not respond to commands for the ascent or descent of the drum.

Three proximity sensors, placed at the base of the structure, indicate the rotation of the column and the presence of the drum at the base thus avoiding any erroneous manoeuvres in handling.

A locking valve assures, in the case of malfunctioning of the oil-pressure unit, the halt of the sudden descent of the column.

Accessories

- Gravimetric cells for load weighing
- Annual maintenance contract
- Base unit with wheels
- Rotation of loading station



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