



# Suryoday Technologies

An ISO 9001:2015 Co.

**Suryoday Technologies** is one of the most promising contenders for Hydraulic Tank Jacking Equipment. Keeping the amazing pace of growth in liquid storage industries, refineries and tank farms in mind, which is happening all across the globe, we introduce our Hydraulic Tank Jacking Equipment.

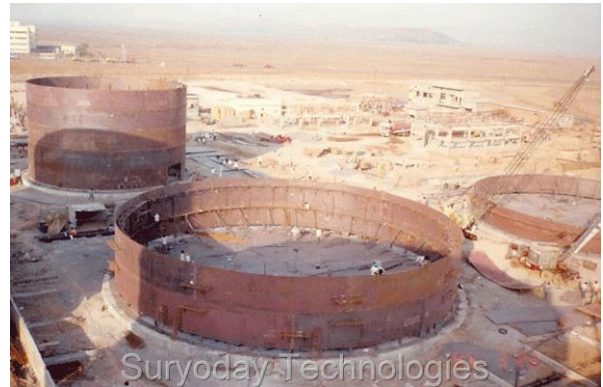


## Suryoday Technologies' Advantage:

- Experience
- Committed Delivery
- Promptness in attending clients
- Single Source Responsibility
- Reputed After-Sales Service

## Suryoday Technologies Hydraulic Tank Jacking Equipment is *suitable* for:

- Fabrication of tanks
- Dismantling of tanks
- Increase the height of the tank
- Decrease the height of the tank
- Increase the diameter of the tank
- Decrease the diameter of the tank
- Relocate tanks
- Replace tank bottom
- Repair tank bottom



## Suryoday Technologies Hydraulic Tank Jacking Equipment can be *used for erecting*:



- Floating Roof Tanks
- Cone Roof Tanks
- Double Walled Tanks
- Column Support Tanks
- Storage Silos
- Tanks at Elevation



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## **Advantages over conventional method of Tank Erection:**

- Shell erection is faster, reducing the time factor
- Lower risks of Accidents & high Safety achievement
- Easy access for inspection at all stages of erection
- Improved quality of work
- Special scaffolding arrangement not required
- Eliminates requirement of high capacity cranes
- Welding process is unaffected by weather conditions
- As jacks are connected to the tank load by fail-safe slip-grip mechanism, the tank cannot sink even if the pump or hose breaks down



## **Suryoday Technologies - Manufacturing Unit:**

- Area – 2,300 sq. m.
- Separate office block and security cabin
- Separate working shed
- Fully equipped and functional office
- Stand-by power back-up using DG set
- Testing Rig setup for Load and Pressure test of jacks
- Easy to and from National Highway 222
- Pulley-block System for loading & unloading trucks
- Nearest port Jawaharlal Nehru Port Trust (JNPT) is approximately 92 kms

## **Suryoday Technologies also deals in Tank Construction Accessories:**

- Vacuum Pump
- Tank Jack Elevators
- Fend – Off Lugs
- Lifting Lugs
- High Pressure Hydraulic Hoses
- Manifolds
- Tank Construction Accessories like Deck Scaffolding Leg, Shim Plates, Wedges, etc.



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## HYDRAULIC TANK JACKS

	<b>12MT Hydraulic Tank Jacks</b>	<b>18MT Hydraulic Tank Jacks</b>
<i>Effective Max. Lifting Height</i>		Upto 3000mm / 3m / 118.110 in.
<i>Effective Stroke Length</i>		110mm ± 3 mm
<i>Max. Lifting / Lowering Capacity</i>	12MT	18MT
<i>Testing Pressure</i>	165 bar or 169 kg/cm <sup>2</sup>	195 bar or 200 kg/cm <sup>2</sup>



## POWER PACKS

	<b>10HP</b>	<b>15HP</b>	<b>20HP</b>
<i>Rating</i>	10HP Model	15HP Model	20HP Model
<i>Power</i>	415V, 50Hz, 3P	415V, 50Hz, 3P	415V, 50Hz, 3P
<i>Enclosure</i>	General Purpose, Weather Proof	General Purpose, Weather Proof	General Purpose, Weather Proof
<i>Motor RPM</i>	1455 RPM	1455 RPM	1455 RPM
<i>Tank Capacity</i>	200 Liters	250 Liters	300 Liters
<i>Pressure</i>	20 lpm @ 175 bar	26 lpm @ 175 bar	39 lpm @ 175 bar
<i>Accumulator</i>	2.5 liters	2.5 liters	2.5 liters
<i>Starter</i>	DOL Starter	DOL Starter	DOL Starter



## Technical Specifications for Vacuum Box (for tank bottom testing using Soap-Bubble method)

Item	Dimensions	Quantity (in nos.)
1. MS Vacuum Box	1000mm lg x 200mm 1500mm lg x 200mm	01
<i>Items fitted in each Vacuum Box:</i>		
a. Acrylic Sheet		01
b. Rubber Lining	1¼" x 1½"	01
c. Gasket Sheet		02
d. ½" Ball Valve		01
e. ½" Nipple		02
f. Vacuum Gauge		01



### Vacuum Pump

Particulars	Specifications
Vacuum Pump	2 Stage
Power	½ HP
Voltage	220V ~ 50Hz
Vacuum	3.75 x 10 <sup>-4</sup> mm HG / 0.04995 Pa /
Free Air Displacement	0.001044 m <sup>3</sup> /s 4 CFM
Oil Capacity	250ml

#### Note:

We have two standard lengths of vacuum box, 1000mm and 1500mm long, though they can be made as per client's specific requirement (Min 250mm & Max 2000mm)

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