



Think Performance  
Think of Us



High Performance Solution For  
MATERIAL HANDLING EQUIPMENT

Over Head Cranes | Flame Proof Cranes & Hoist | Jib Cranes | Wire Rope Hoist



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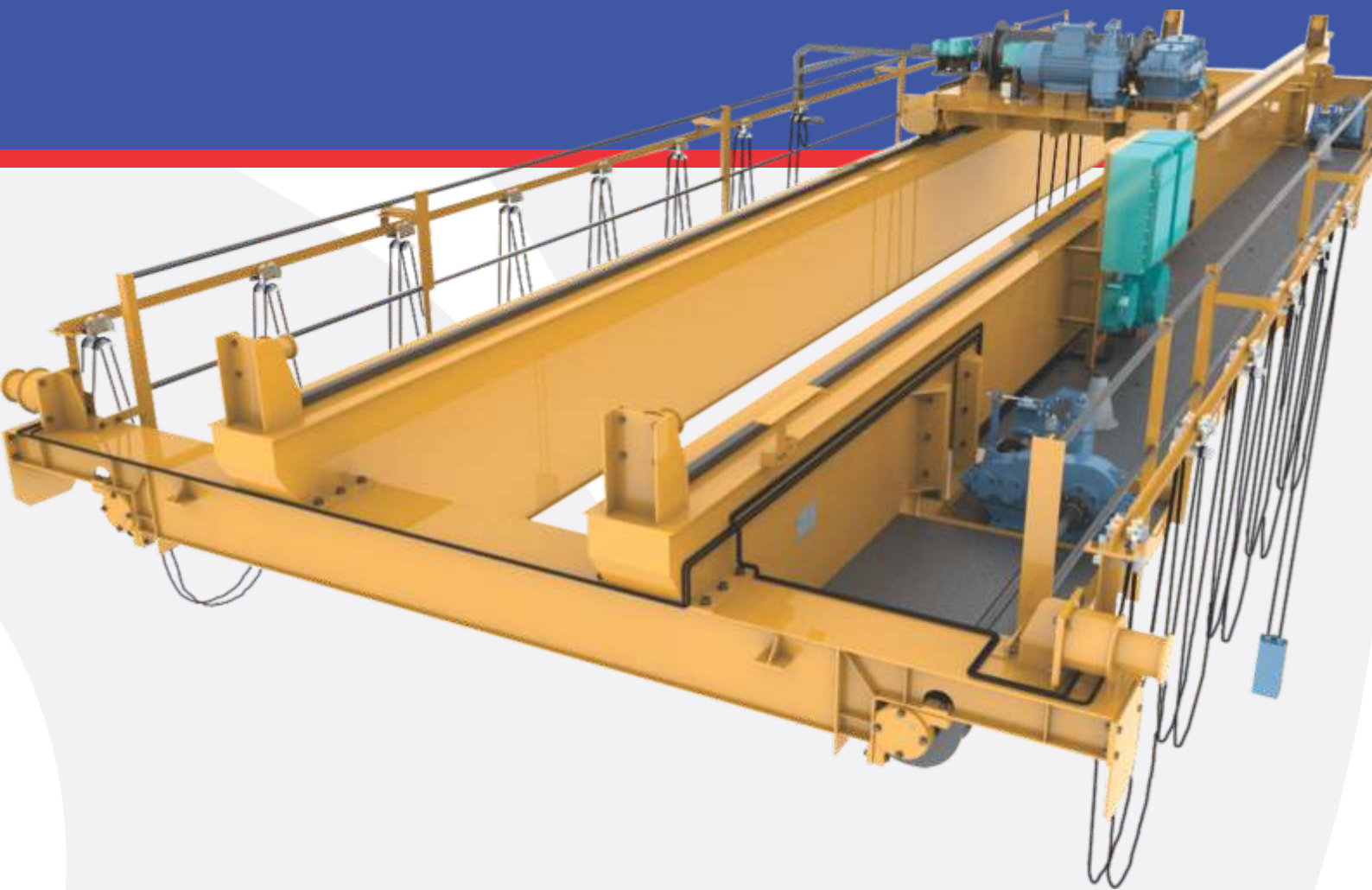
MEEKA IS ONE OF THE LEADING MANUFACTURER AND  
EXPORTER OF MATERIAL HANDLING EQUIPMENT



## ABOUT US

MEEKA is one of the leading manufacturers and exporters of Material Handling Equipment since 1983, and as may be seen from the list of our valued clients, we have served many Government Organizations, Public and Private Limited Companies with our quality products. We take pride in saying that the quality of our products has been very widely accepted in domestic as well as international markets. In a decade and half of our existence as independent manufacturing units, we have developed an efficient infrastructure to manufacture different range of Material Handling Equipment.

MEEKA is an ISO 9001-2000 company, we have a well-established workshop and office building with a facility to manufacture various Types of cranes & wire rope hoist. The company has in-house computer-aided design facility to meet the challenges of this highly competitive field.



## MISSION

Meeka is committed to provide the highest quality product possible through new technologies and with our highly skilled and dedicated employees, to pursue an aggressive research and development program thus insuring its future as a leader in material handling equipment industries. We will demonstrate the highest standard of services across the globe through highly trained representatives.



## VISION

“ We Give Industrial Mobility Solutions  
Which Saves TIME, MONEY, EFFORTS.”



# VALUE

► Respect

► People

► Customer

► Quality

► Performance

► Innovation





# ADVANTAGES DESIGN

Our Drawing & Design office is headed by a qualified Mechanical Engineer who not only keeps strict watch over quality of each component but also constantly interacts with our valued customers to improve design to suit their requirements. All designs have been of 3D Solid Modeler with Finite Element Analysis. We also have in-house design development software. We can design and calculate all required parameters as per the standards, with the use of software.

Benefits of the same are:

- ▶ Virtual model for design analysis.
- ▶ Quality products can be manufactured in shortest period of time.
- ▶ Delivery time can be reduced.
- ▶ Lighter weight of equipment.
- ▶ Saving on runway structure.
- ▶ Accurate and faster designing.

# GEAR BOX

We manufacture our own gear boxes, which are described further here. All the gear boxes which are used in Hoisting, L.T. and C.T. are horizontal shaft helical gear type with robust and sturdy M.S. fabricated housing. The entire gear assembly is running on anti-friction bearing. The pinions which are used in the gearbox are integral and solid one piece pinion. The gear box housings are duly stress relieved after the fabrication. The gearbox bearing sizes are machined on horizontal boring machine to ensure proper accuracy. All gears and pinions are duly hardened to withstand the heavy loads for the life span depending upon the class of application. Provision is kept for filling the lubricating oil with level indicator.

## Benefits of our gear boxes

- ▶ In house Manufacturing Process makes after sales and service easy.
- ▶ Better strength and silent running
- ▶ Longer life, no misalignment
- ▶ Minimal wear
- ▶ Properly hardened
- ▶ Profile ground gear and pinion  
as and when required





# QUALITY ASSURANCE

We use strict quality plan for manufacturing our product by using various types of inspections:



- ▶ Design verification.
- ▶ Chemical & Physical testing of raw materials.
- ▶ Ultrasonic testing of raw materials.
- ▶ Inspection of Gears & Pinions on Gear Testers.
- ▶ Dimensional Controls.
- ▶ Load and Overload Testing at works, with in-house testing facility and at client site as well.
- ▶ X-ray test for welding joints.

We have also offered our product for third party inspection for various well known third party inspection agencies in India like.



# ENGINEERING AND MANUFACTURING CAPABILITIES

- ▶ We have our own Software Company, Meeka Software Pvt. Ltd. With the help of a sister Concern, we have made an integrated ERP software system for all departments. With its use, we can track down supplied parts with our equipment, can track down past orders and inquiries. It maintains inventory to reduce delivery time.
- ▶ In-house developed software for designing of complete cranes and components.
- ▶ Solid Edge for design analysis & new designing.
- ▶ AutoCAD for drawings.
- ▶ MEEKA has a team of highly experienced and qualified engineers who work with perfection to achieve this aim. We have our own R & D department which is consistently improving on the product.
- ▶ MEEKA is using CO2 MIG welding machines for different joints for cranes and their parts. We have automated welding machine to weld box girder simultaneously.
- ▶ Strength Calculation of GEARS are preformed by software.



## SHOP FLOOR

Meeka has two different Manufacturing Units:

- UNIT - 1 has 4000 square meters area.
- UNIT - 2 has 10033 square meters area.

Some of our In house machinery are:

- ▶ AUTOMATIC CO2 MIG WELDING MACHINE
- ▶ HYDRAULIC MACHINE
- ▶ BANDSAW MACHINE FOR CUTTING
- ▶ WELDING MACHINES
- ▶ PORTABLE CNC CUTTING MACHINE



UNIT-1

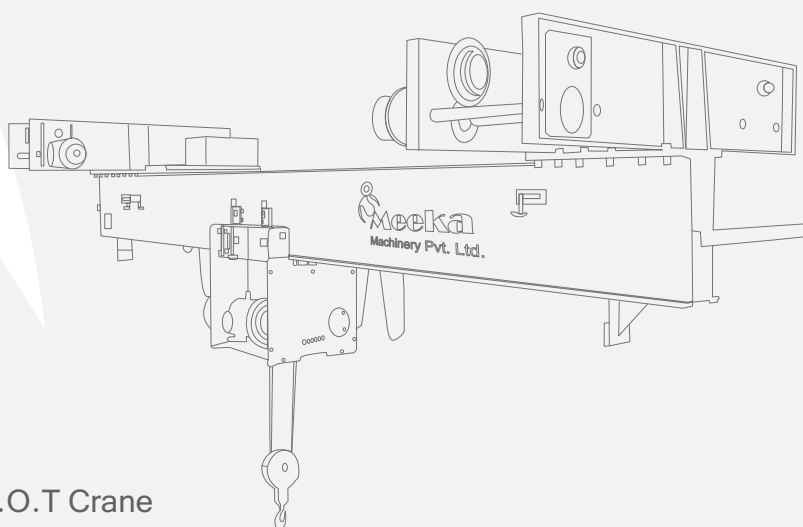


UNIT-2

# OUR PRODUCTS

## 1. OVER HEAD CRANES

- Single Girder E.O.T Crane
- Double Girder E.O.T Crane
- Goliath / Gantry E.O.T Crane
- Steel Mill Duty Crane
- Under Slung E.O.T Crane
- Semi Gantry E.O.T Crane
- Single Girder H.O.T Crane
- Double Girder H.O.T Crane
- M.E Crab Type Double Girder E.O.T Crane
- Double Rail Type Double Girder E.O.T Crane



## 2. FLAME PROOF CRANES

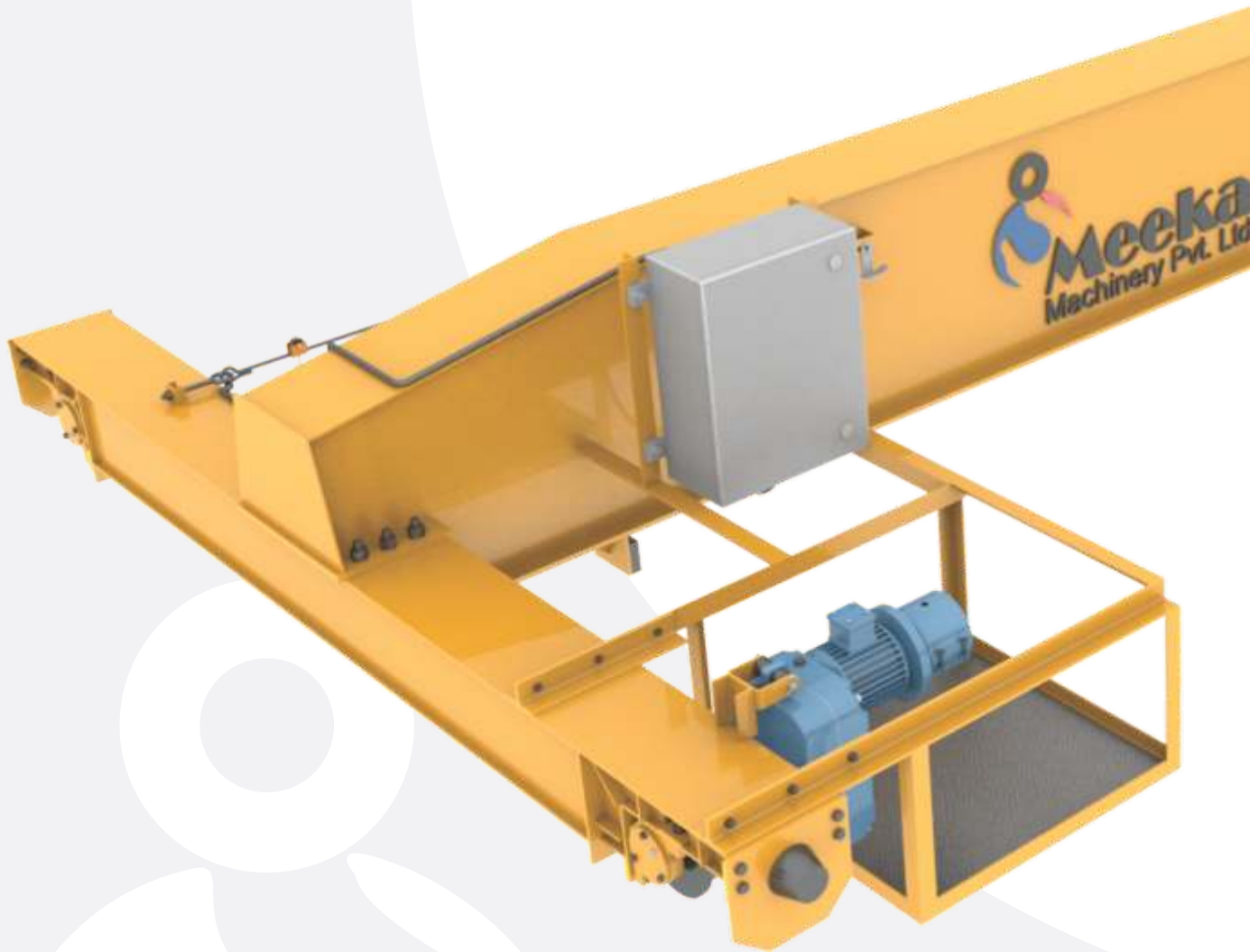
- Flame Proof Single Girder
- Flame Proof Double Girder

## 3. JIB CRANES

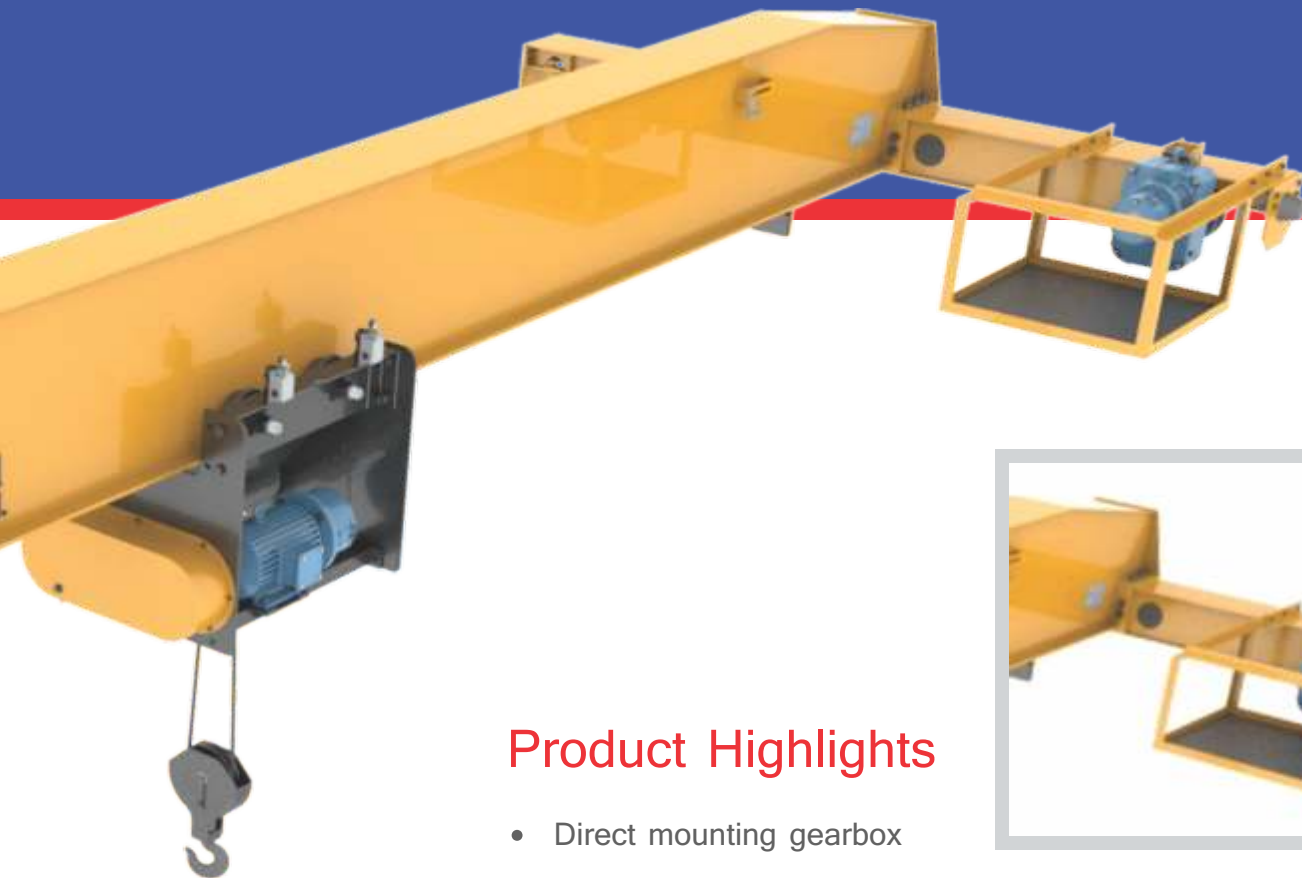
- Pillar Mounted JIB Crane
- Column Mounted JIB Crane
- Wall Mounted JIB Crane
- Self Supported JIB Crane



## SINGLE GIRDER E.O.T CRANE



The Cranes which are having one main Bridge girder are known as Single girder Cranes. Main feature of this crane are Main Bridge girder, End carriages and hoisting unit either electrically operated Hoist or manual operated Chain pulley Block as the case may be. Being light in structure, it is most ideally suited for light industrial application. For higher capacity, normally industries prefer use of single girder cranes. Being cost-effective, Single girder Crane is most favorite in Small and Medium scale Industries.



## Product Highlights

- Direct mounting gearbox
- Light structure
- Longer life
- Cost effective
- Easy in maintenance
- Pendant & radio remote control operation



## Application

- Ware house
- Stock yard
- Machine shop
- Assembly shop
- Store rooms





# DOUBLE GIRDER E.O.T CRANE



## Product Highlights

- Longer life
- Less maintenance
- Sturdy in design
- Favorite for special applications
- Wider span

## Applications

- Wire mill
- Mold handling
- Metal storage
- Fabrication
- Stamping
- Handling coils

The overhead crane having two main bridge girders is known as double girder EOT/HOT Cranes. By virtue of its structural design it is sturdy and robust in construction. Double Girder construction offers aesthetic look and also gives feel of safety while handling heavy loads. Normally it is used to handle heavy load or heavy duty (continuous) applications in foundry and steel plants. The double girder overhead cranes are manufactured low medium and high capacity ranging from 2/3 T to 250 T capacity depending on type of application.

# GOLIATH / GANTRY E.O.T CRANE

## Product Highlights

- Suitable for open areas
- Extensive cover of the floor area
- Master controller/remote/pendant
- Cable reeling drum
- Favorite in Marble Industries

## Applications

- Ship yard
- Open yard storage
- Steel yard
- Pipe Industries
- Granite & Marble Industries



Gantry Crane or Goliath Crane or Portal Crane, name by which it is generally known, is the most ideal material handling equipment to handle heavy loads in Open Yards. It is generally desired for Outdoor application. The name Goliath indicates its Huge Load Capacity and giant structural built up. However, it sometimes finds its place in assembly shop of engineering unit Specifically in Automobile Unit.





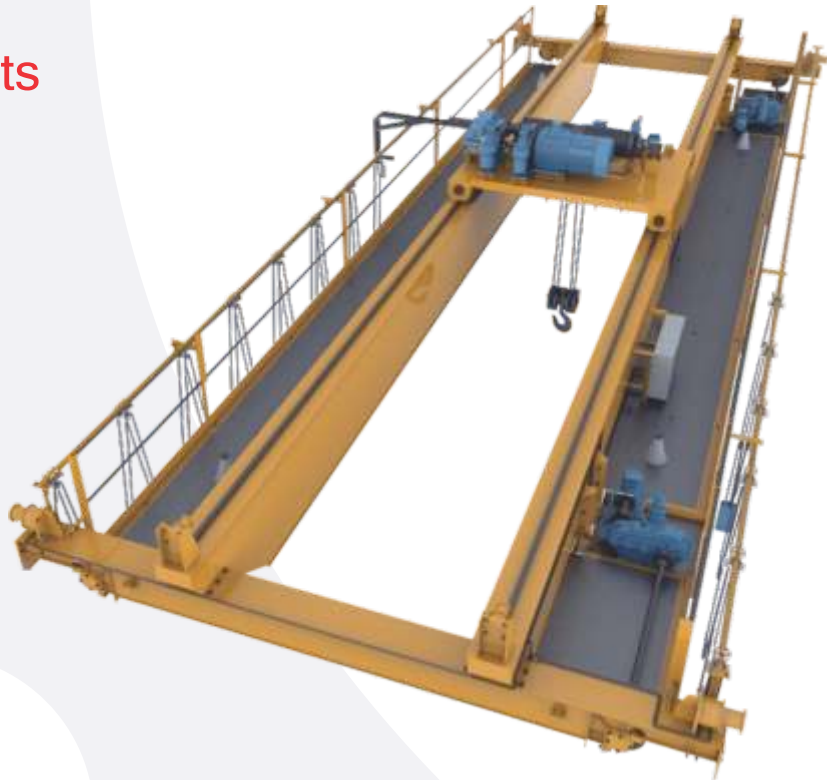
# STEEL MILL DUTY CRANE

## Product Highlights

- Centralized lubrication
- Heavy duty gearbox
- Fail safe brakes
- Safety limit switches
- Longer life

## Applications

- Rolling mills
- Liquid metal handling
- Forging industries
- Billet metal industries
- Casting industries



Steel Mill Duty Crane is extensively used for lifting applications in various steel mill and rolling mill industries where requirement is for high-speed, high-capacity ladle, metal charging. These cranes are designed under different Indian standard (IS) as per IS-4137 standard. This crane is fabricated under the strict supervision of experienced and diligent professionals in order to meet the Indian and international quality standards. Our offered crane is stringently checked on criteria like performance. In order to meet the exact requirements of clients, this Steel Mill Duty Crane is fabricated in various models and specifications.



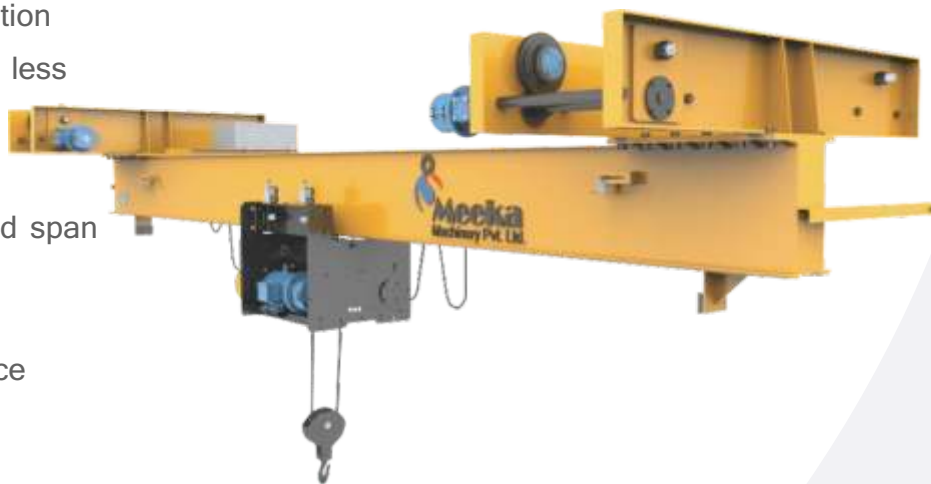
# UNDER SLUNG E.O.T CRANE

## Product Highlights

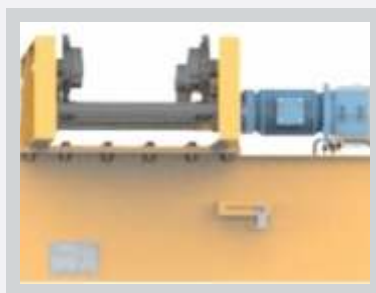
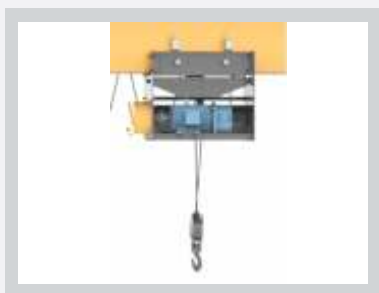
- Special for store application
- Where height of shop is less
- Less maintenance
- Cost effective
- Effective in reach beyond span

## Applications

- Pump house maintenance
- Stock yard
- Fabrication shop
- Small factory units
- Building construction

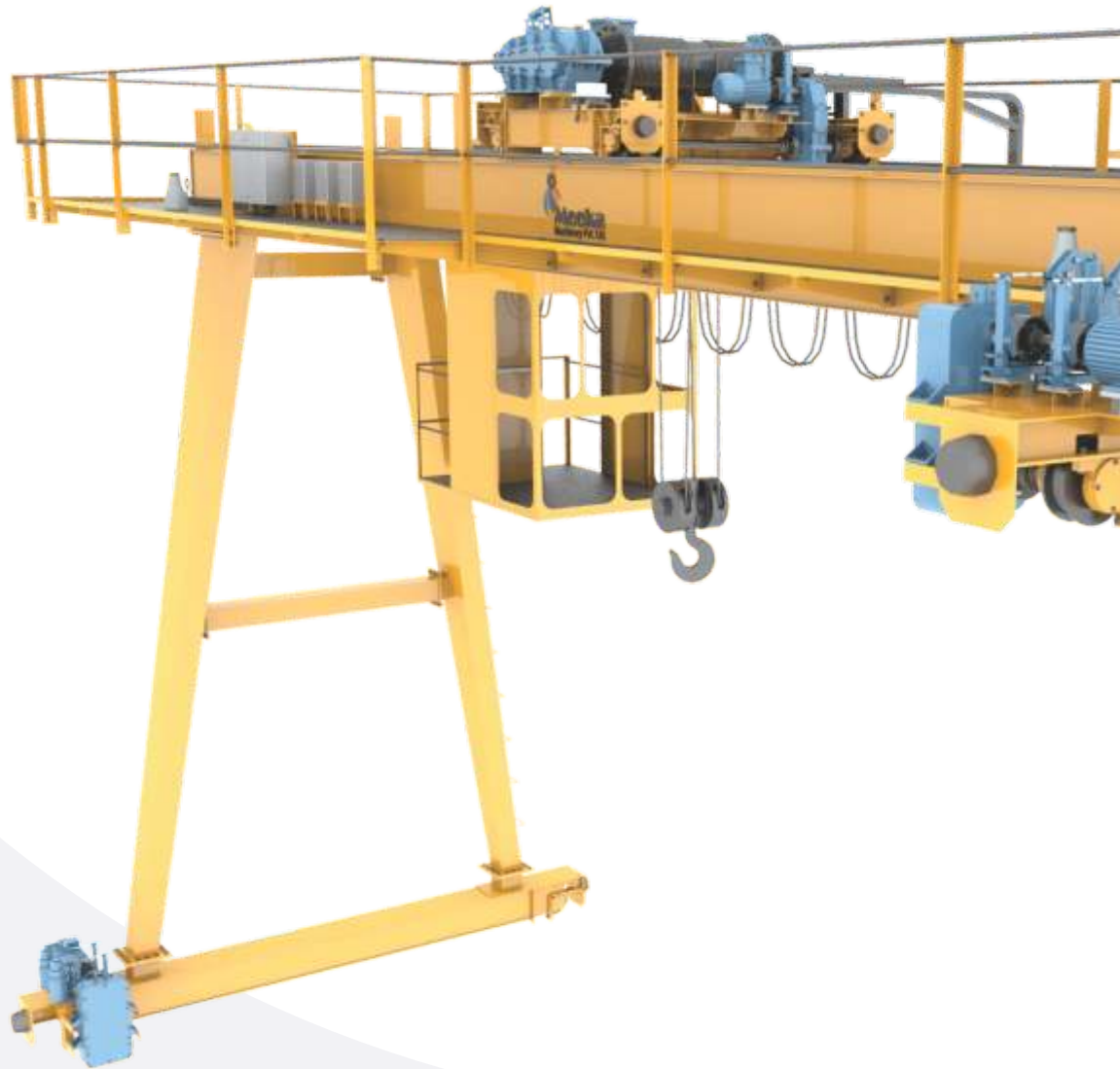


The main features of this crane are Main Bridge girder, End carriages and hoisting unit either electrically operated Hoist or manual operated Chain pulley Block, as the case may be. Being light in structure, it is most ideally suited for light industrial application. Under Slung Cranes are having Single Flange wheel for long Travel Drive, whereas Over Head Cranes will have Double Flange Wheels. Rest of the features are same. Generally, Under Slung Cranes are more useful for assembly Line for shifting of stage-wise assembly of the equipment.

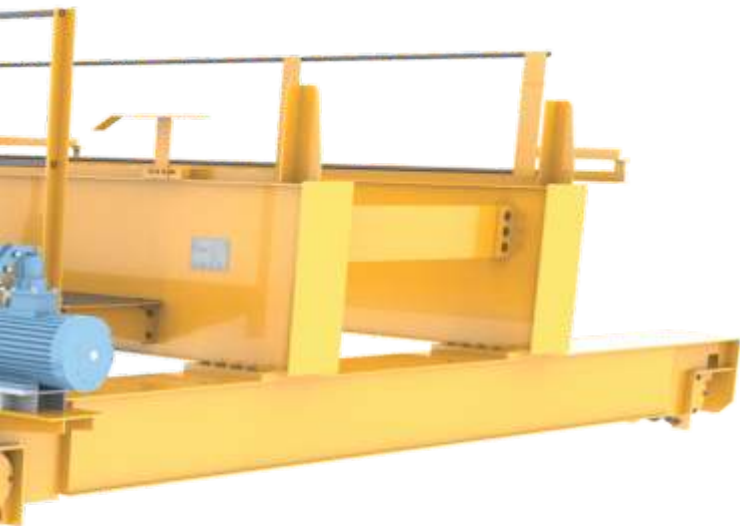




## SEMI GANTRY E.O.T CRANE



Semi-gantry cranes are a cost-effective alternative wherever the installation of bridge cranes is impractical due to a need for a raised runway structure. They are also an ideal supplement to bridge cranes at the workstation level. This crane can be used for indoor or outdoor application. Single girder semi gantry cranes generally used for load up to 15 TON and double girder semi gantry cranes can be used for load up to 50 TON capacity cranes. This crane can be controlled by pendent traveling stations or radio remote controls.



## Product Highlights

- Indoor or outdoor operation
- Pendant or remote control operations
- Extensive cover of the floor area
- Wider span
- Fail safe brake

## Applications

- Outdoor workshop
- Outdoor stock yard
- Warehouses
- Fabrication shop
- Marble & stone industries





# SINGLE GIRDER H.O.T CRANE



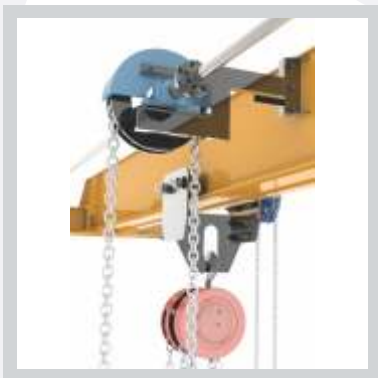
## Product Highlights

- Favorite in flame proof application
- Less maintenance
- Lighter in weight
- Where use of crane is lesser
- Cost effective

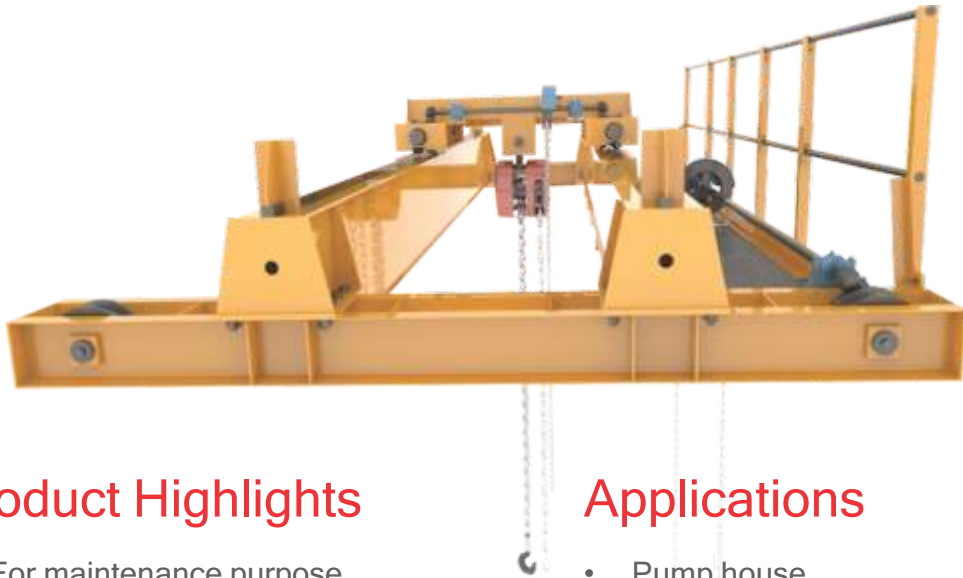
## Applications

- Pump house
- Refineries
- Chemical industries
- Water treatment plants
- Pesticides industries

These cranes are basically hand operated overhead traveling cranes that can lift load of up to 10 ton capacity. They are widely used in pump house, flame proof area, less maintenance area, cement industries, engineering unit,. Our entire range of HOT Crane is offered to our clients at market leading quality and price.



# DOUBLE GIRDER H.O.T CRANE



## Product Highlights

- For maintenance purpose
- Favorite in flame proof application
- Higher tonnage
- High performance
- Great durability

## Applications

- Pump house
- Refineries
- Chemical industries
- Water treatment plants
- Pesticides industries

These cranes are basically hand operated overhead traveling cranes that can lift load of up to 20 ton capacity. They are widely used in pump house, flame proof area, less maintenance area, cement industries, engineering unit. Our entire range of HOT Crane is offered to our clients at market leading quality and price.





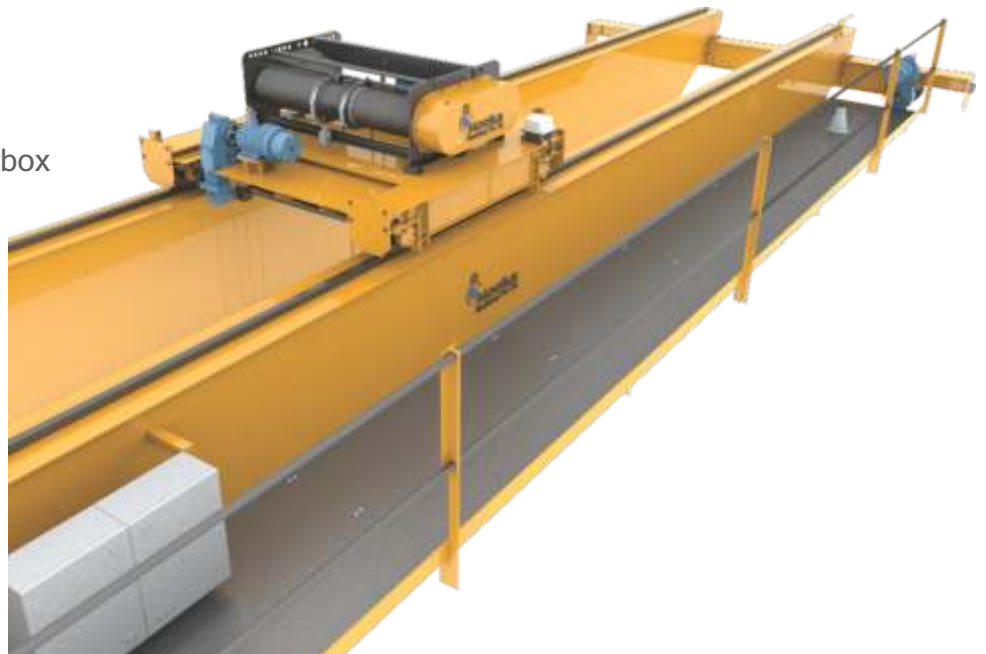
# M.E CRAB TYPE DOUBLE GIRDER E.O.T CRANE

## Product Highlights

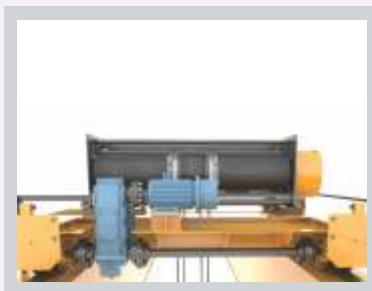
- Easy to maintain
- Lighter in weight
- Sturdy in design
- Direct mounted gearbox
- Cost effective

## Applications

- Fabrication shop
- General workshop
- Maintenance shop
- Assembly shop
- Stockyard



Main feature of this crane is power travel wire rope hoist, instead of conventional design of crab, we use hoist as crab to reduce the weight of the main box girder. It is also a cost effective product, easy in installation and commissioning, Being light in structure, it is most ideally suited for light industrial application. This crane can be used for indoor or outdoor application.



# DOUBLE RAIL TYPE DOUBLE GIRDER E.O.T CRANE



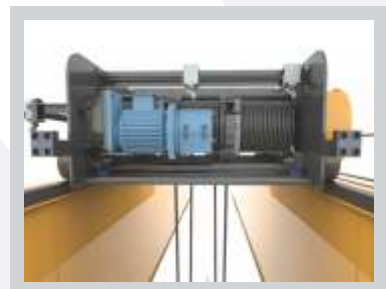
## Product Highlights

- Cost effective
- Lighter weight
- Save structural cost
- Easy handling
- Optimized design

## Applications

- Pump house maintenance
- Light duty engineering workshop
- Repair shop
- Stock yard
- Fabrication shop

The double girder double rail type crane is a cost-effective alternative wherever the distance between top of rail and rooftop is lesser. These cranes are used in general engineering industries and fabrication shop mostly. Meeka manufactures this crane as per IS-3177 & IS-3938. This unique design gives less maintenance and downtime.





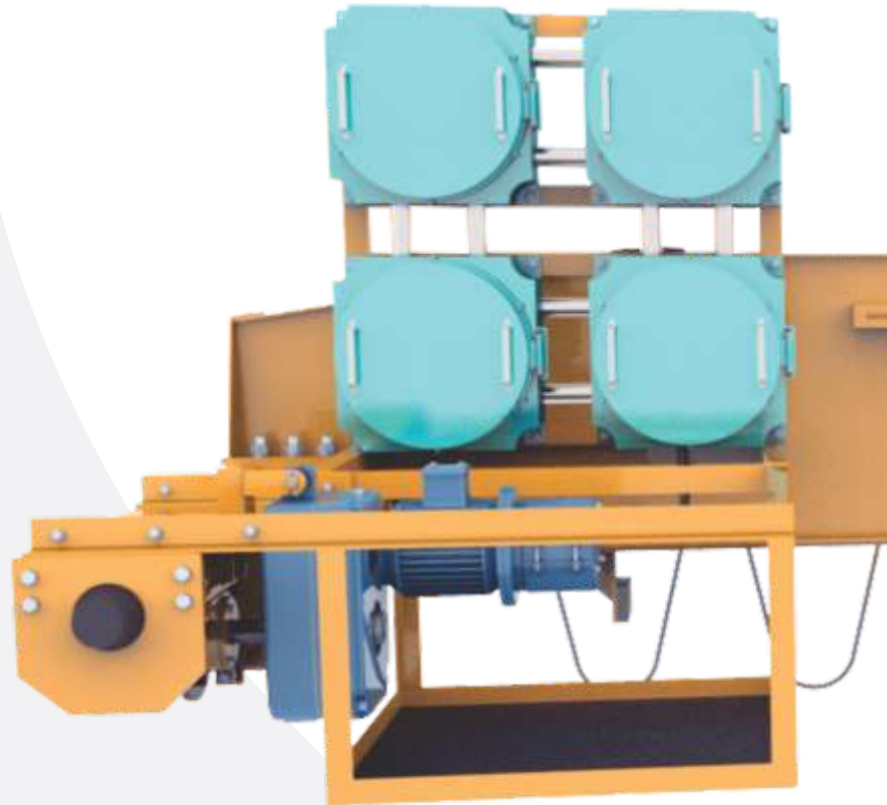
# FLAME PROOF SINGLE GIRDER CRANE

## Product Highlights

- Flame proof enclosures
- Spark proof materials
- Sturdy design
- Lighter in weight
- Box fabricated girder

## Applications

- Refineries
- Chemical industries
- Gas handling industries
- Pump house
- Hazardous area industries

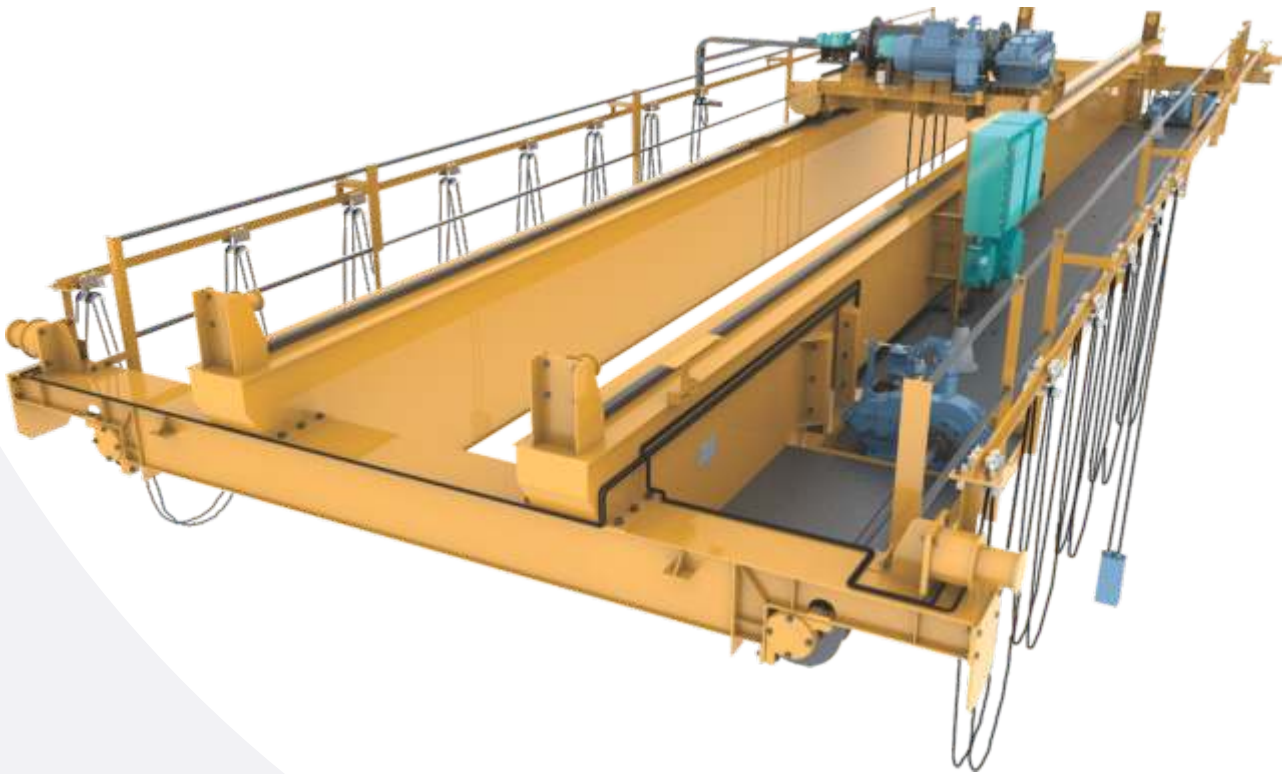


Flame proof single girder EOT Cranes are suitable for Gas Group -II A, IIB & II-C which are fitted with Hazardous enclosures approved by CMRS & C.C.E., conforming to IS: 2148. We have developed specialization in manufacturing of Hazardous material handling equipment suitable for Gas Group-II A, IIB & II-C, MEEKA flame proof cranes are widely used in major petrochemicals, chemicals, fertilizers project across India & other countries. Companies like Indian Oil Corporation, Engineers India LTD, GNFC, GSFC, Technip India, Toyo engineering India Ltd and many more are our clients. We are an approved vendor for almost every refinery in India.





# FLAME PROOF DOUBLE GIRDER CRANE



Flame proof double girder EOT Cranes are suitable for Gas Group -II A, IIB & II-C. The Double girder over head cranes are manufactured low medium and high capacity ranging from 2/3 T to 250 T Capacity depending on type of application.

We have developed specialization in manufacturing of Hazardous material handling equipments suitable for Gas Group-II A, IIB & II-C, MEEKA flame proof cranes are widely used in major petrochemicals, chemicals, Fertilizers project across India & other countries. companies like Indian Oil corporation, Engineers India LTD, GNFC, GSFC, Technip India, Toyo engineering India ltd and too many more companies, we are approved vendor for almost every refineries in India.

## Product Highlights

- Favorite in refineries
- Spark proof materials
- L type wheel block
- Less maintenance
- Flame proof enclosures

## Applications

- Refineries
- Chemical industries
- Gas handling industries
- Pump house
- Hazardous area industries





# JIB CRANES



## Product Highlights

- Lighter in weight
- Less maintenance
- Suitable for critical shifting
- Rotation up to 360° degree
- Easy mobility

## Applications

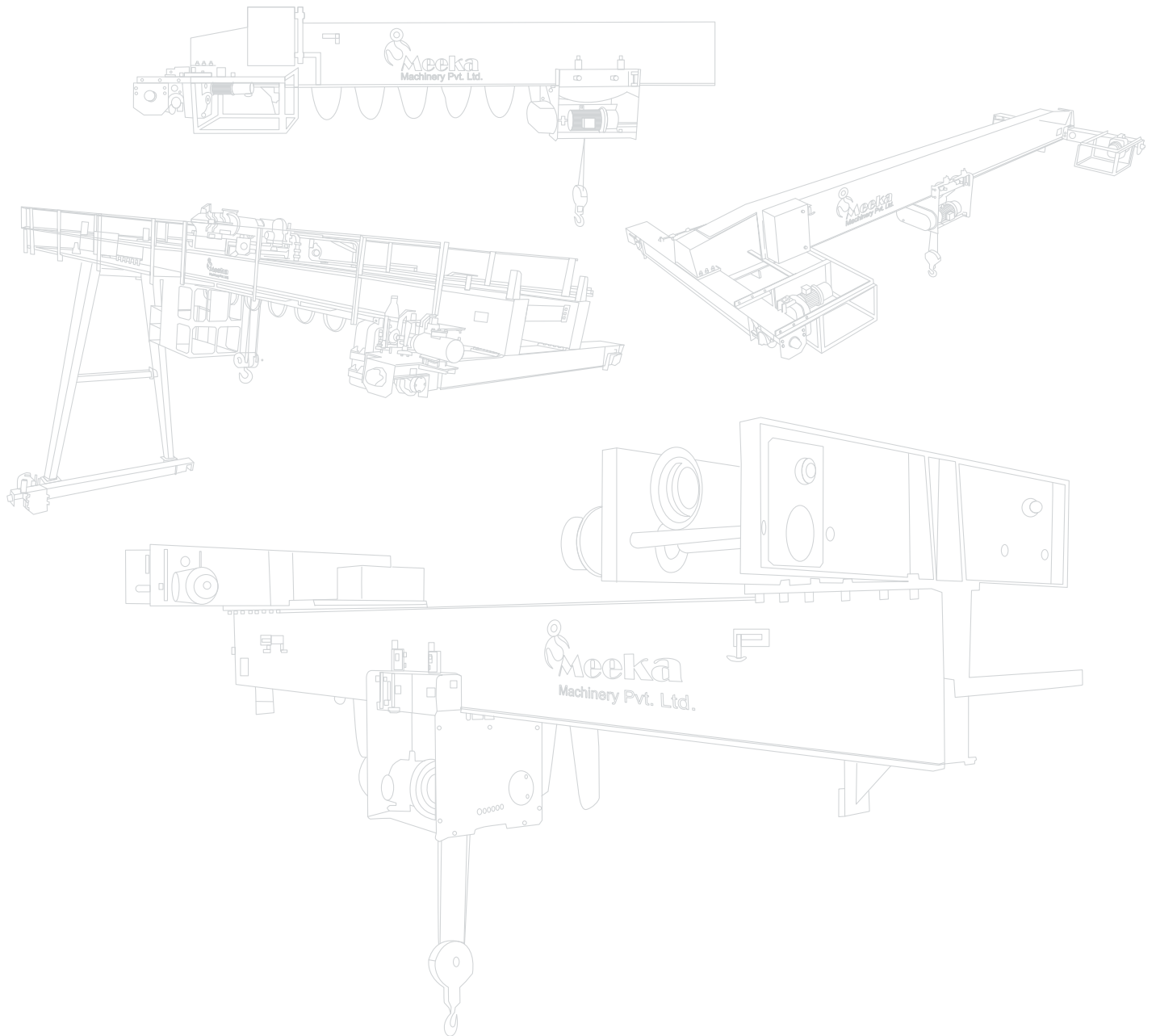
- Unloaders
- Building construction
- Repair shop
- Stock yard
- Tool rooms

A jib crane is a type of crane where a horizontal member (jib or boom), supporting moveable hoist, is fixed to a wall or to a floor-mounted pillar. Jib cranes are used in industrial premises. The jib may swing through an arc, to give additional lateral movement or be fixed. Jib Cranes are designed and manufactured for specific applications, though it has limitation of working area for particular applications. It proves most useful in assembly area of small size machines like pumps, electric motor, vehicle assembly etc. For example loading and unloading facility for material in open yard for loading and unloading of special purpose machine on material handling unit for C.N.C. machine kept in clean room.



# PRESTIGIOUS CLIENT LIST





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## MEEKA MACHINERY PVT LTD

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