

# Jib Cranes

## Description

Jib cranes are overhead type lifting device which is used for material handling & lifting operations. These are mainly used for handling of materials on the assembly line. It smoothens the lifting operation and optimizes the overall speed of the production process.



Jib cranes are simple in design yet more effective and flexible to handle wide range of components.

## It mainly consists following components:

- Boom
- Pillar
- Movable Hoist
- Trolley
- Pneumatic/ Electric parts
- Rotation mechanism with braking system
- Control Panel

## Types of Jib Crane:

### Wall Mounted Jib Crane

- 270° rotation
- Horizontal beam adjustment
- Cost effective

### Control Panel

- 360° rotation
- Higher lifting Capacity
- Adjustable Rotation Stop

Jaycee develops jib cranes of lifting capacity ranges from 20 - 2000 kg and sometimes even more as per requirement of applications. Jib cranes are perfect material handling solution for many small to medium scale industries, as it acquires very compact space and allow efficient handling and lifting of material. JIB CRANES are broken down into two main categories Floor-mounted and Wall-mounted jib cranes, with the floor-mounted cranes being attached to a fixed support base and wall-mounted cranes being attached to a structural support or wall.

Pillar Type Jib Cranes offer a low cost alternative to achieve 360° rotation without a large mounting foundation as is required by free standing models. Wall Mounted Jib Cranes are capable of 200° rotation. Their design can be either cantilever or tie rod supported.

Jib Cranes are a practical and cost effective option for providing localized, small to medium capacity lifting solutions. It can be fitted with all manner of lifting devices including electric chain hoists, air hoists, wire rope hoists, spring balancers and manual chain blocks.

While being easy in designing jib cranes, they are valuable pieces of equipment simply because of their flexibility and strength. Jib cranes help to increase the productivity, provide safer ergonomic solutions, and improvise the working efficiency of both worker and workplace.