

JIB CRANES

AT A GLANCE

WHAT IS A JIB CRANE?

Jibs are a smaller type of overhead crane that can be used indoors or outdoors. They do not utilize a runway or track system as they are permanently attached to the ground or nearby structure. They are used to lift and move objects along a circumference of up to 360°.

TYPES

Jib cranes can be freestanding or column or wall-mounted. Freestanding jib cranes usually require some sort of foundation to remain supported - typically made from concrete. Wall-mounted jib cranes are mounted in two different ways: cantilever or tie-rod supported. Freestanding jib cranes can rotate up to 360°, while a wall/column mounted jib crane can rotate up to 200°.

Articulating jib cranes, which can be freestanding or mounted, have two swivel arms to lift loads around corners or obstacles.

COMPONENTS

These cranes consist of one mast (built into the ground or supporting column) and a single boom and hoist extending from the top of the mast. This allows the crane to lift items and rotate around the base.

APPLICATIONS

These cranes lift rather light loads and usually serve a specific, repetitive function. They can be used outdoors at marinas or loading docks, and indoors for machining and assembly operations where multiple jibs can be used in conjunction for staged operation.



Freestanding Jib



Wall-mounted Cantilever Jib



Articulating Jib



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