Pneumatic Jib Cranes

FullSharp Pneumatic Jib Cranes – Optimal Lifting for Any Production Space

In modern factories, especially in electronics, food, pharmaceuticals and precision industries, demand for safe lifting with no sparks and no dust keeps growing. **FullSharp pneumatic jib cranes** are a leading choice for these requirements.

1. Air-Powered Operation – Maximum Safety

Running on compressed air instead of electricity, the equipment produces no electrical sparks, making it well suited for:

- Cleanroom environments
- Explosive or flammable areas
- Plants with strict safety standards

2. Wide Range of Load Capacities

- FullSharp pneumatic jib cranes are designed for loads from **80kg to 200kg**, covering needs from light production lines to medium-duty industrial applications.

See also vacuum sheet lifters – the optimal solution for safe and efficient lifting

3. High Durability, Low Maintenance

The aluminum structure and high-quality pneumatic cylinder system provide:

- Stable operation with minimal wear
- No lubrication required, unlike conventional mechanical equipment
- Long service life and lower maintenance costs

4. Flexible Configuration Options

FullSharp pneumatic jib cranes can be combined with:

- **Clamping systems and vacuum fixtures**
- **Custom suction grippers** designed for your product

5. Applications

- Electronic component factories
- Food, pharmaceutical and cosmetics plants
- Sheet metal fabrication and handling of easily deformed materials
- Areas requiring precise, safe lifting

Pneumatic Jib Crane







The pneumatic jib crane is designed around **ergonomics** and high efficiency, letting operators move loads **safely and quickly** while **minimizing physical effort**. A dual-wire balancing structure, pneumatically controlled lifting and precise rotation allow loads to be handled **steadily and accurately**. Because the load weight is self-balanced, lifting and lowering is light and precise.

The unit can be fitted with various end effectors such as **vacuum, mechanical grippers and magnets**, or customized tooling, for use across many industries.

General features

- **Load capacity:** up to 200 kg
- **Maximum reach:** 4,000 mm
- **Maximum rotation:** 360°
- **Vertical lifting stroke:** 2,000 mm
- **Operating principle:** dry, oil-free compressed air, minimum pressure 6 – 7 kg/cm²

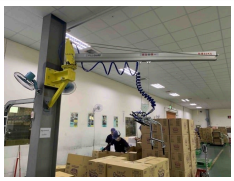
Mounting options



Floor base Column mounted



Ceiling mounted Overhead mounted



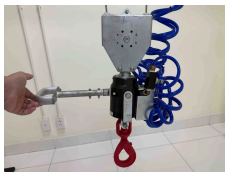
Pillar mounted Wall mounted

Control handles



Up/down push button

Simple connection; the handle can be detached to hold separately during operation or used with other equipment.



Force-sensing handle

Lifting and lowering speed follows the downward and upward force of your hand, so light that one finger is enough to operate it.

Construction and components



360° pivot

Adjustable rotation stop. A 270° setting is recommended to keep the jib from over-rotating and twisting the air hose.



Aluminum housing

Aluminum housing and pneumatic operation suit environments that must stay clean, free of falling dust and sparks.



Aluminum rail

Combined with the pneumatic crane, it gives light, precise movement when pushing heavy loads by hand.



Air filter regulator

Removes water, dust and contaminants from compressed air, protecting pneumatic equipment from damage caused by pressure and impurities.



Pneumatic check valve

Protects pneumatic components such as the filter, hoist and solenoid valves, and maintains pressure at the load end while lifting.



Fabric-reinforced PU air hose

Withstands higher pressure than standard PU hose and does not crack when extended. Stable air delivery and long service life.

About the pneumatic jib crane

Specifications

Model	Capacity	Arm length	Lifting height
FL80	80 kg	3 – 4 m	2 m
FL200	200 kg	3 m	2 m

Key advantages

- **High safety:** the dual-wire mechanism keeps the load balanced, reducing the risk of tipping or dropping.

- **Versatile environments:** usable in explosive atmospheres, suited to chemicals, pharmaceuticals, oil and gas, paint and ink.
- **Aluminum housing:** rugged and suited to heavy industrial operation.
- **Precise movement:** easy, accurate handling.
- **Operator friendly:** ergonomic design reduces fatigue and increases productivity.
- **Low operating cost:** energy-saving, low maintenance, optimized running costs.
- **Modular design:** easy to add specialized end effectors.
- **High productivity:** shorter cycle times and less downtime.

Rail-Mounted Pneumatic Hoist











The pneumatic hoist is designed around **ergonomics** and high efficiency, letting operators move loads **safely and quickly** while **minimizing physical effort**. A dual-wire balancing structure, pneumatically controlled lifting and precise rotation allow loads to be handled **steadily and accurately**. Because the load weight is self-balanced, lifting and lowering is light and precise.

The unit can be fitted with various end effectors such as **vacuum, mechanical grippers and magnets**, or customized tooling, for use across many industries.

General features

- **Load capacity:** Up to 200 kg
- **Maximum length:** 4,000 mm
- **Vertical lifting stroke:** 2,000 mm
- **Operating principle:** Dry, oil-free compressed air, minimum pressure 7kg/cm²

Mounting options



Gantry mounted



Longitudinal rail mounted



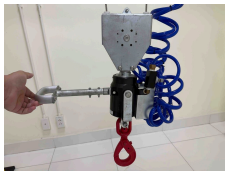
Cross rail mounted

Control handles



Up/down push button

Simple connection; the handle can be detached to hold separately during operation or used with other equipment.



Force-sensing handle

Lifting and lowering speed follows the downward and upward force of your hand, so light that one finger is enough to operate it.

Construction and components



Aluminum housing

Aluminum housing and pneumatic operation suit environments that must stay clean, free of falling dust and sparks.



Aluminum rail

Pairs with the pneumatic hoist to give light, precise movement when pushing heavy loads by hand.



Air filter regulator

Removes water, dust and contaminants from compressed air, protecting pneumatic equipment from damage caused by pressure and impurities.



Pneumatic check valve

Protects pneumatic components such as the filter, hoist and solenoid valves, and maintains pressure at the load end while lifting.

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About the pneumatic hoist

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- **Aluminum exterior:** Rugged aluminum housing suited to heavy industrial operation.
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- **High productivity:** Shorter cycle times and less downtime.

Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.