

KINOCRANES

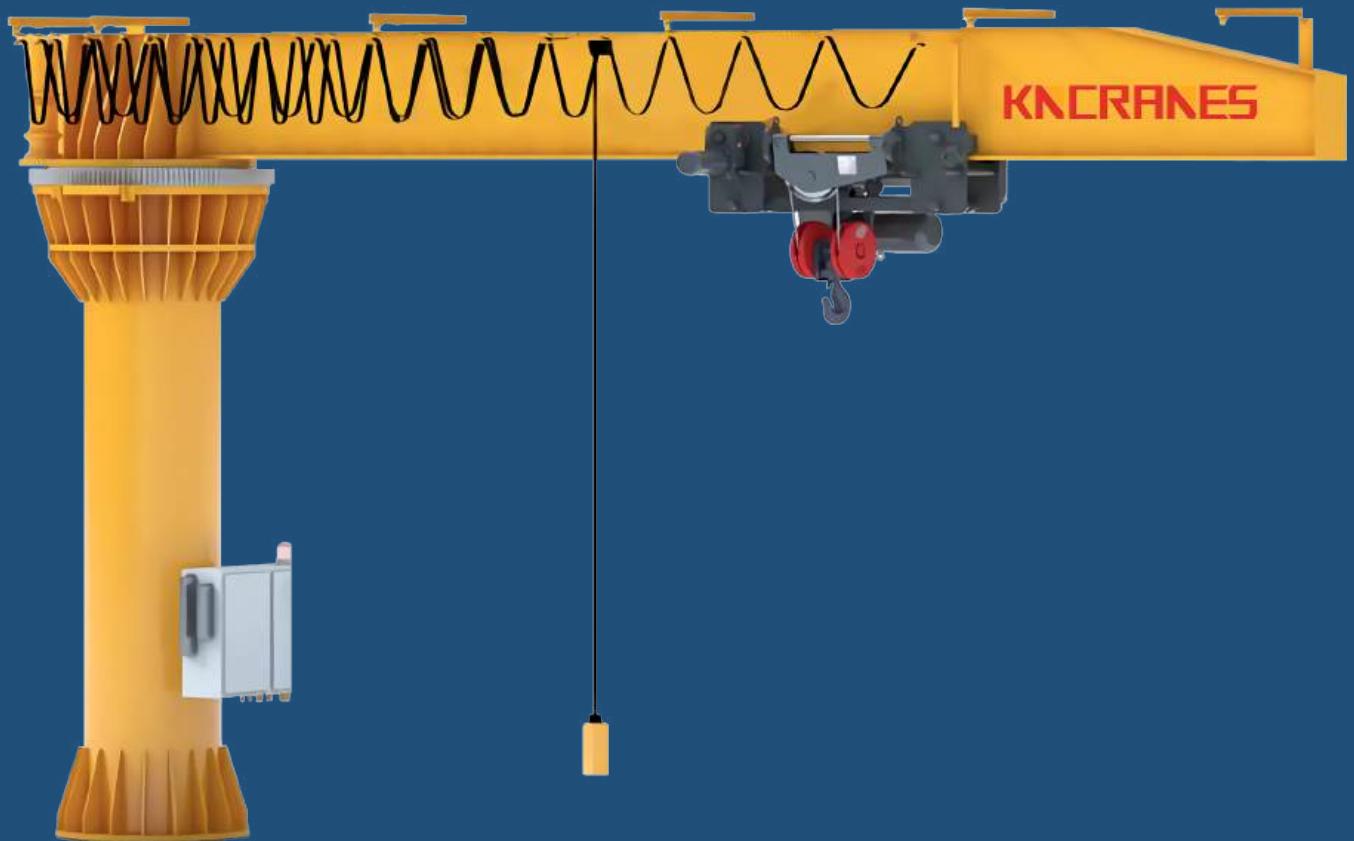
European Crane Technology | [kinocranes.com](https://www.kinocranes.com)



Jib Cranes for Every Workstation

Knuckle · Pillar · Wall-Mounted · Mobile · Wall-Travelling · 100 kg - 10 t

Product Guide - Technical Overview & Specifications



100 kg-10 t

capacity range,
all mounting types

up to 10 m

outreach,
per load class

CE · FEM · DIN · ISO

certification &
design codes

360°

slewing, end stops
lock at any angle

WHY A JIB CRANE

Precise lifting, right at the workstation.

A jib crane puts lifting power exactly where the work happens - at the machine, the assembly bench, the loading point - without tying up an overhead crane for point tasks. The family runs from 100 kg ergonomic knuckle jibs to 10 t pillar cranes, CE certified and engineered to FEM 1001 and DIN codes.

■ The right crane per station

Ten workstation models - knuckle, aluminium rail, C-rail, I-beam, wall-mounted and mobile - plus pillar jibs to 10 t and wall-travelling cranes: matched to task time, headroom, floor space and budget.

■ Moves by hand, lands precisely

Anodized aluminium and KBK C-rail arms keep travel friction minimal; knuckle joints carry adjustable damping for smooth, rebound-free slewing. Float-mode intelligent lifters make loads weightless for one-hand positioning.

■ Installed in days, not weeks

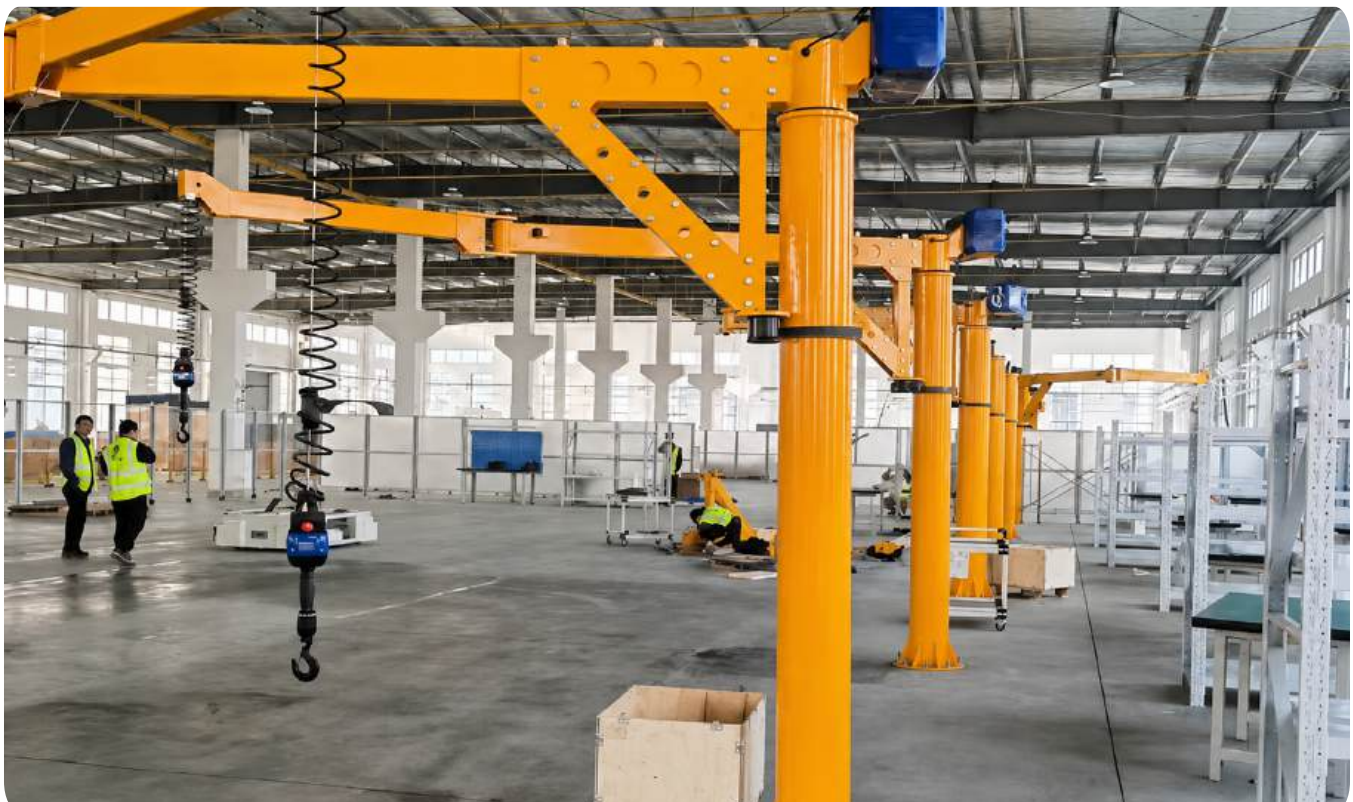
Pillars anchor to existing concrete floors with chemical bolts; heavy units ship with full embedded-foundation data (up to 4,150 mm square, 1,200 mm deep). Everything arrives pre-assembled - site work is bolt torquing, no welding.

■ One proven hoist platform

Pillar jibs run the same K-series wire-rope hoists as our overhead cranes: dual overload protection at 2 %, 22 protection functions, patented safety monitor - and one spare-parts pool shipped in 1-7 days.

The jib crane family at a glance

Product line	Capacity	Outreach	Slewing	Mounting
Workstation jibs (10 models)	100 kg - 5 t	2 - 10 m per load class	270° / 360° / N x 360°	Floor, wall or mobile base
Pillar jib cranes JIB	0.5 - 10 t	radius 3 - 7 m	360°, any-angle end stops	Concrete foundation
Wall-travelling TJ cranes	2 / 3 / 5 t	arms 4 / 7 / 10 m	travels along the wall	Double wall rail

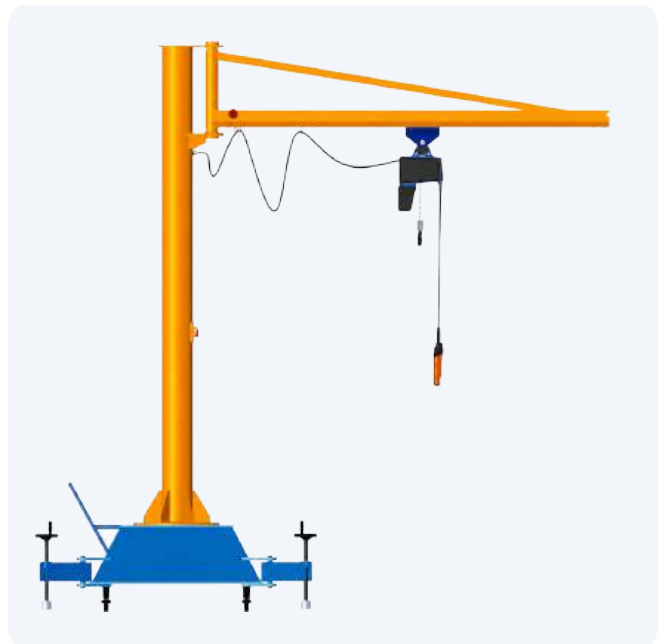
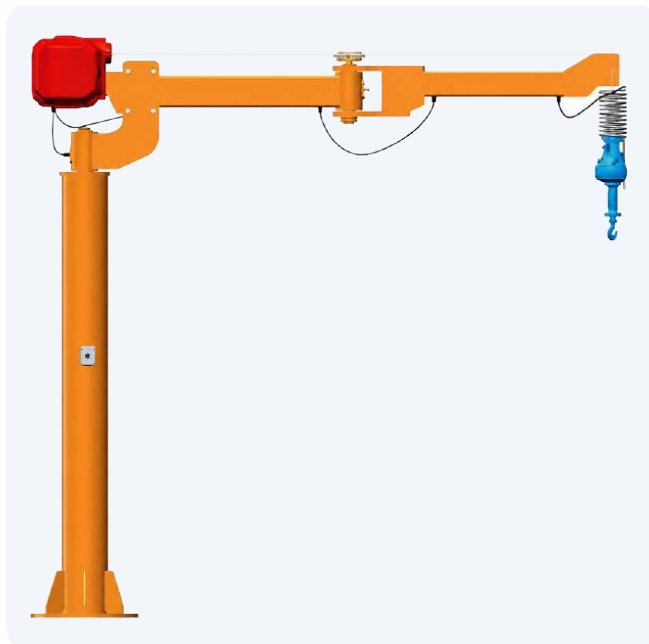


THE LINEUP

Ten workstation models

Model	Type	Max SWL	Max outreach*	Slewing	Mounting
DJB-IZB	Intelligent knuckle crane	500 kg	arms 2+2 m	360° / 270°	Floor pillar
DJB-ZB	Hoist knuckle crane	1,000 kg	arms 2+2 m	360° / 270°	Floor pillar
LV-HNN	Aluminium rail slewing jib	1,000 kg	2 - 10 m	270° (wall 180°)	Pillar or wall
KJB-HNN	C-rail suspension jib	1,000 kg	8 m below 500 kg	270° (wall 180°)	Pillar or wall
KJB-CNN	C-rail low-headroom jib	1,000 kg	6 m below 250 kg	270° (wall 180°)	Pillar or wall
DJB-HNN	Suspension I-beam jib	2,000 kg	8 m below 1,000 kg	270° (wall 180°)	Pillar or wall
DJB-CNN	Manual slewing jib	2,000 kg	10 m below 500 kg	270°	Floor pillar
DJB-PNN-S	Electric slewing jib	5,000 kg	10 m below 1,000 kg	N x 360° unlimited	Floor pillar / foundation
DJB-WNN-D	Wall-mounted slewing jib	3,000 kg	10 m below 1,000 kg	180°	Wall or building column
DJB-PV-MV	Mobile pillar jib	1,000 kg	4 m below 125 kg	N x 360°	Movable counterweight base

* Maximum outreach applies below the stated load; full capacity/outreach matrices per model are in the selection catalog. Other sizes on request. Lifting devices to suit: intelligent lifters (float mode), electric chain hoists, air hoists and balancers, vacuum handling.



ENGINEERING DETAILS

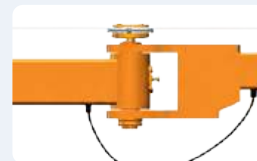
Float-mode intelligent lifters

Wire-rope or chain intelligent lifting units switch between float and hand-guided modes: the load goes weightless and one hand fine-positions it - fixture adapters included for repeat parts.



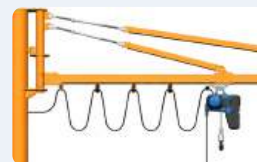
Adjustable slewing damping

Knuckle joints carry adjustable damping blocks, so slewing is smooth and rebound-free - friction tuned to the workpiece and the takt.



Aluminium & KBK C-rail arms

Anodized aluminium track sheds no particles - naturally suited to cleanroom and explosion-protection requirements (Ex configurations on request). KBK hollow C-rail keeps travel forces very low.



K-series hoist platform

Pillar jibs run the same wire-rope hoists as our overhead cranes: 4-in-1 hoisting module, full-circle rope guide, $D/d \geq 40$ drum, 2,160 N/mm² rope, DIN 15400 forged hook.



Any-angle 360° end stops

JIB pillar cranes slew a full 360° with end stops lockable at any position - define the safe working sector station by station. Flexible rotating end frames above 3 t relieve structural stress.



Foundations, fully specified

Light pillars: chemical anchor bolts straight into existing floors. Heavy pillars: embedded-bolt foundations from 1,700 to 4,150 mm square, 1,200 mm deep, with cast-in power conduit - data ready for your designer.



Pre-assembled delivery

Arm, pillar and slewing end carriage are pre-assembled at the works; site work is torque-tightening bolts - no welding, no hot-work permits. Wall brackets ship as one ready-to-fit unit.



Layered safety

Dual overload protection at 2% (alarm at 100%, hoisting blocked at 110%, stop at 125%), four-step hoisting limits, travel and slewing limits, buffers on every motion - plus the patented monitor watching 30+ conditions.



TECHNICAL DATA

Pillar jib cranes JIB

Full 360° slewing, radius 3-7 m, lifting height 3-7 m, duty class A3. Electric or manual slewing and trolley drive to 2 t; electric from 3 t.

Capacity	Hoisting speed (m/min)	Hoist motor (kW)	Slewing	Total power (kW)	Crane weight (t)	Foundation (mm square)
0.5 t	4 / 1	0.8/0.2	0.5 r/min or manual	max 1.6	1.2 - 1.9	1,700 - 2,200
1 t	4 / 1	0.8/0.2	0.5 r/min or manual	max 1.6	1.3 - 2.3	2,000 - 2,700
2 t	4 / 1	1.7/0.4	0.5 r/min or manual	max 3.1	1.5 - 3.6	2,500 - 3,200
3 t	4 / 1	3.5/0.9	0.5 r/min electric	max 4.9	2.3 - 3.6	2,800 - 3,450
5 t	5 / 0.83	4.5/0.7	0.5 r/min electric	max 6	3.8 - 5.7	3,250 - 4,150

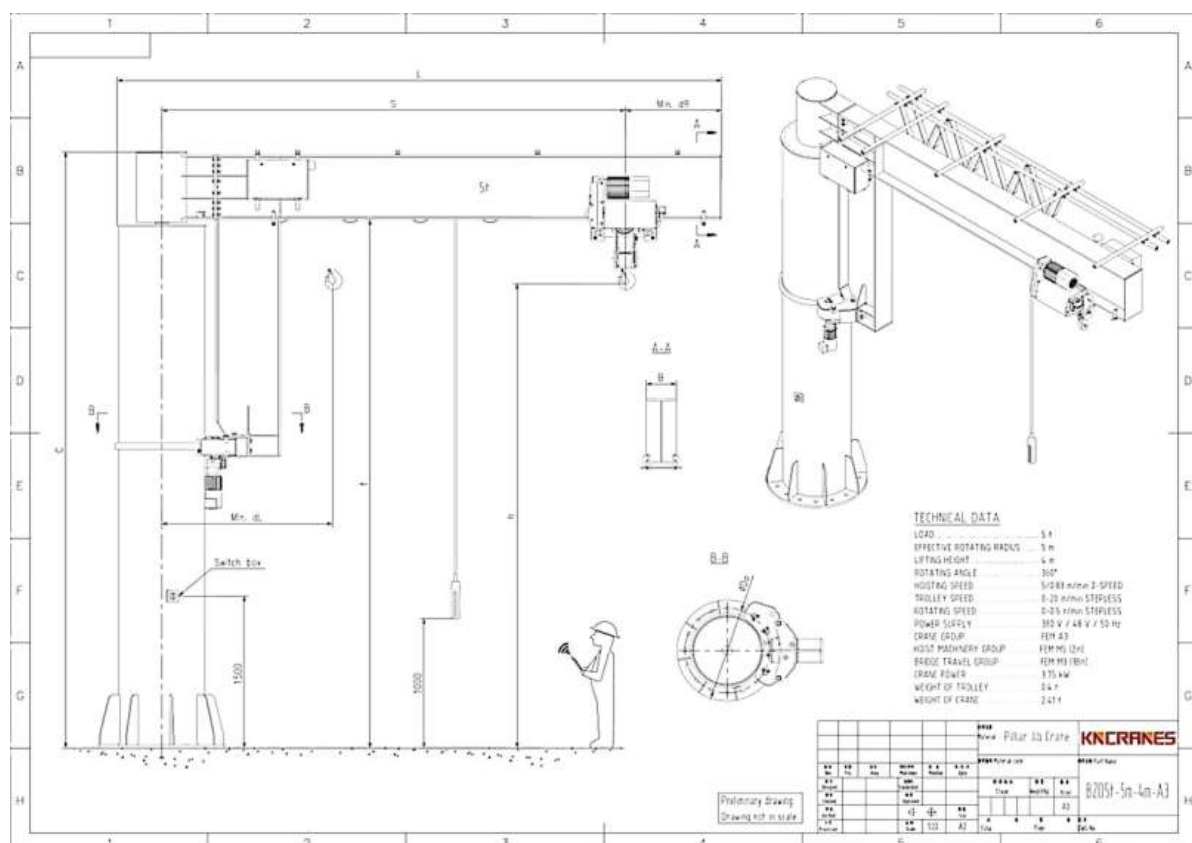
Crane weight and foundation size vary with radius (3-7 m) and lifting height (3-7 m); foundations are 1,200 mm deep with cast-in power conduit. Trolley speed 0-20 m/min or manual on all sizes. Pillar jibs to 10 t on request.

Wall-travelling TJ cranes

Class A5, travelling on a double wall rail at 5 m rail height, lifting height 6 m; hook path along the full runway length.

Capacity	Arm length	Crane weight (t)	Wheel load V/H (kN)	Rail (mm)	Hoist motor (kW)	Total power (kW)
2 t	4 / 7 / 10 m	2.25 / 3.15 / 4.4	to 38 / 87	50x30 - 60x40	1.8/0.25	2.7 - 3.0
3 t	4 / 7 / 10 m	3.3 / 4.3 / 5.4	to 45 / 129.3	50x30 - 60x40	3.6/0.5	4.5 - 5.0
5 t	4 / 7 / 10 m	4.5 / 5.9 / 6.6	to 61 / 150.3	60x40	4.5/0.7	6.25

Hoisting 5/0.83 m/min, trolley and travel 0-20 m/min on all sizes; vertical/horizontal wheel-load tables per arm length available for structural design. Power: TN-S 3-phase AC 380 V, 50 Hz; control voltage 48 V.



QUALITY YOU CAN AUDIT

Manufacturing & certification

Jib cranes are built in the same audited plant, on the same processes and test rigs, as our European overhead and gantry cranes.

Fabrication and delivery

Box girders and arms are welded from ultrasonic-tested plate, shot-blasted to Sa2.5 and finished with a dual-layer epoxy system ($\geq 120 \mu\text{m}$, 10-year service life). Every unit is pre-assembled and function-tested before dispatch, then delivered with certificates: structural inspection, material traceability, hook and rope certificates, NDT records and wiring diagrams.

Certified and audited

Products carry CE certification, with current certificates available to customers on request. Cranes are produced in Changyuan, Henan Province — China's renowned "Crane Hometown" — at a manufacturing base of roughly 280 acres with 150,000 m² of production space, running Baosteel plate and Schneider Electric components as standard. The plant was assessed by independent auditor V-Trust in a full supplier assessment covering production flow, quality system and R&D. Products are exported to the EU, North and South America and Southeast Asia.


10+2

workstation models
plus JIB & TJ lines

±2 %

overload sensing
accuracy

360°

slewing, any-angle
end stops

1-7 days

spare parts
dispatch

Ready to equip your workstations?

Tell us the load, outreach, headroom and cycle of each station - we will return model selections with foundation or wall-load data ready for your building designer.

inquire@kinocranes.com · Tel/Fax +86-373-3809044

www.kinocranes.com

Specifications subject to change with product development. Values in this guide are drawn from the manufacturer's technical documentation; configuration-specific data is confirmed at quotation.