

Capability Deck

Overhead, gantry, jib cranes and electric hoists — 0.25 to 1,000 tons

FEM 1.001 · EN 15011 · GB/T 3811 · ISO 9001 / 14001 / 45001 · CE · EAC · ATEX

18

years manufacturing

120+

countries served

3,000+

cranes per year

449

patents held

Kino Cranes Pte. Ltd. — Global Export HQ, Singapore

Henan Kino Cranes Co., Ltd. — Manufacturing Base, Changyuan, Henan, China

www.kinocranes.com · info@kinocranes.com · WhatsApp +86 190 3730 3917

2026 Edition

COMPANY

Kino Cranes at a glance

Kino Cranes is a global crane manufacturer headquartered in Singapore, with its manufacturing base in Changyuan, Henan — known as China's “Crane Hometown.” Since 2008 we have focused on reliable, efficient, and customized lifting solutions.

Today we operate 150,000 m² of production space, deliver over 3,000 cranes each year, hold 449 patents, and serve 2,000+ clients across 120+ countries.

FOUNDED	2008 · Changyuan, Henan, China
GLOBAL EXPORT HQ	Kino Cranes Pte. Ltd., Singapore
FACTORY AREA	150,000 m² production space
ANNUAL OUTPUT	3,000+ cranes per year
PATENTS	449
CAPACITY RANGE	0.25 t – 1,000 t (tyre gantry & AGV)
CLIENTS	2,000+ in 120+ countries
GLOBAL OFFICES	SG · USA · MX · BD · PK · KE · CA · BH



Certified for every market

ISO 9001

Quality management

ISO 14001

Environmental management

ISO 45001

Occupational health & safety

CE

EU Machinery Directive 2006/42/EC

EAC

Eurasian conformity (CIS markets)

ATEX

Explosion-proof equipment (EU)

cCSAus & AWS

North American compliance

GB/T 3811

China national design rules

Crane duty classification — cross-reference

ISO / BS / DIN	M3	M4	M5	M6	M7	M8
GB	A3	A4	A5	A6	A7	A8
FEM	1Bm	1Am	2m	3m	4m	5m
CMAA	A	B	C	D	E	F
SWP (h)	400	800	1,600	3,200	6,300	12,500
Starts (s/h)	150	180	240	300	360	360
Run time (h)	3,200	6,300	12,500	25,000	50,000	100,000

One classification system, four naming conventions. Tell us your duty cycle in any standard — we design to the equivalent class.

DESIGN

European design: 58% power saving, 45% steel saving

Compared with traditional Soviet-type designs, Kino Cranes' European-type cranes use compact hoists, optimized girders, and direct-drive gearmotors. The result is measurable:

Lower building cost

Compact headroom allows a lower roof and smaller support pillars — the building itself costs less.

Larger lifting height

Low-headroom hoist design recovers usable hook height inside the same building.

Smaller non-working zone

Reduced hook approach distances put more of your floor under the hook.

Lighter wheel load

Lighter deadweight reduces runway beam and civil-works requirements.

58%

Power saving vs traditional design

45%

Steel saving vs traditional design

STANDARD FEATURES

Supreme performance

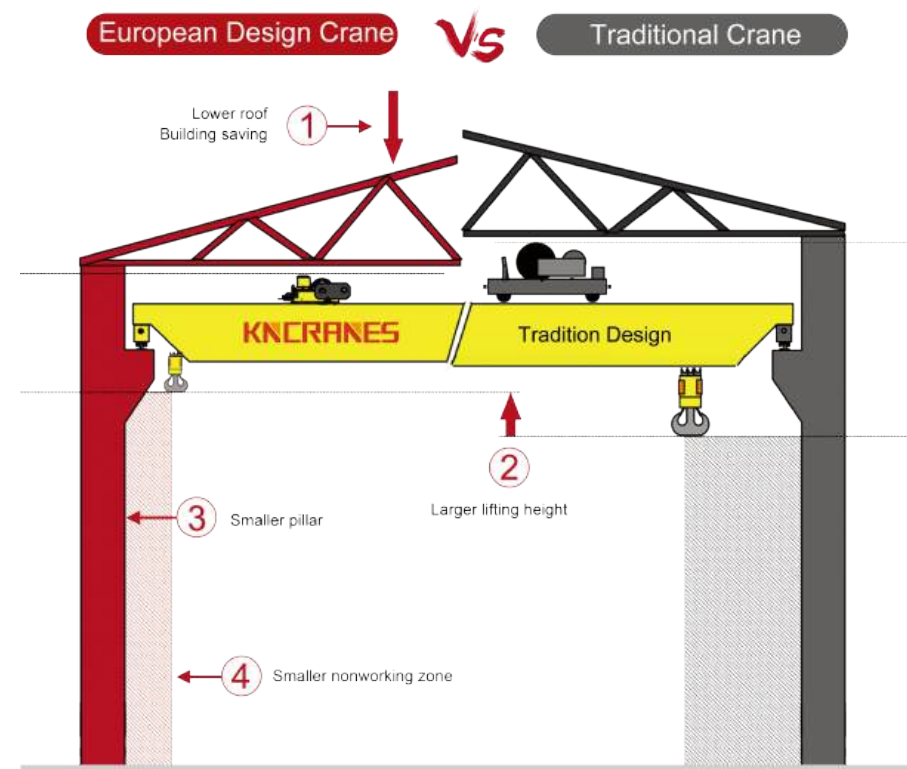
Low noise

Maintenance-free gears

Smart monitor (HMI + diagnostics)

3-in-1 gear motor

Building cost saving



12 series in three tiers

TIER A · CORE PRODUCTS

80% of output

Overhead Cranes

0.5–500 t · M3–M8

European hoist type & heavy-duty open winch; single & double girder

Gantry Cranes

1–500 t · M3–M8

European single girder, heavy duty, semi gantry; indoor & outdoor

Jib Cranes

0.5–20 t · M4–M6

Pillar, wall-mounted, wall travelling; slewing 180°–360°

Electric Hoists

0.5–80 t · M3–M6

European wire rope; dust-proof, explosion-proof, metallurgical

TIER B · SPECIALIZED

Tyre Gantry Cranes

5–1,000 t, customized width & height. Full-range mobility, no fixed infrastructure.

Automated Guided Vehicles

20–1,000 t, self-lifting 0–100 mm. Omnidirectional drive, multi-vehicle linkage.

Custom Special Cranes

Ladle, rotation-trolley magnet, billet handling, foundry, cold rolling mill, grab bucket.

TIER C · COMPONENTS & AUXILIARY

Auxiliary Equipment (magnets, grabs, tongs)

Integrated End Carriages

Control Systems & iSS

Crane Rail & Busbar Systems

Winch Trolleys (5–500 t)

European Type Wire Rope Hoists

SWL
0.5–80 t

HOL
0–60 m

DUTY
M3–M6

MAIN FEATURES

- Compact low-headroom design for space efficiency
- Heavy-duty motor with 60% ED rating; IP55 protection, Class F/H insulation
- Electromagnetic disc brake with 500,000+ cycle lifespan
- Stepless travel control; dual-speed hoisting
- 2160 N/mm² heavy-duty galvanized wire rope
- DIN 34CrMo4 forged hook, class T
- Hardened maintenance-free gears, low-noise design
- Overheat & overload protection with intelligent monitoring (iSS)
- Quick-connect aviation-grade plugs

SPECIAL HOIST VARIANTS

Dust-Proof

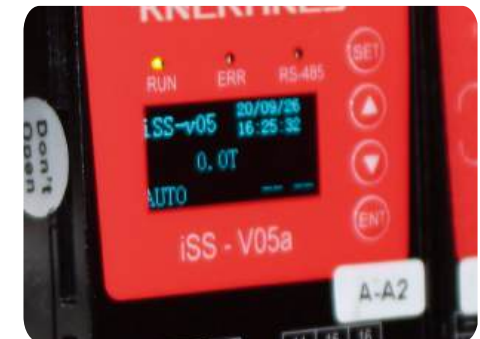
Sealed bellows construction for cement, grain, and woodworking environments

Explosion-Proof

ATEX-certified for oil & gas and chemical zones

Metallurgical

Heat-shielded, platform-mounted for high-temperature steel bays



European Hoist Overhead Cranes

SINGLE GIRDER

SWL
0.5–20 t

HOL
max 90 m

DUTY
M3–M6

- Low headroom; smart driving, higher efficiency
- Stepless control trolley; hardened gears
- IP55 / H insulation; heavy-duty motor 60% ED
- Overheat & overload protection; electromagnetic disc brake
- Super drum for longer rope lifetime
- DIN 34CrMo4 hook, class T; maintenance free



DOUBLE GIRDER

SWL
0.5–80 t

HOL
max 90 m

DUTY
M3–M6

- Dual-rail hoist trolley with anti-drop protection
- Safety monitoring system with LCD display
- Rotation lifting limit switch, 4-step adjustable
- Maintenance platform and festoon cable system
- Flexible end beams; 2160 N/mm² galvanized wire rope
- Free service: girder fabrication drawings, online technical support, free components in warranty



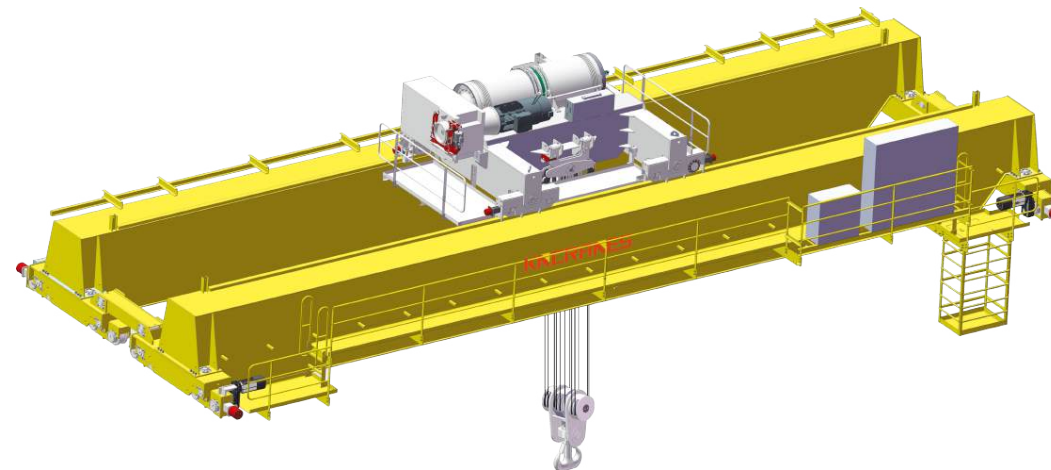
Heavy Duty Overhead Cranes — Open Winch

SWL
5–500 t

HOL
max 160 m

DUTY
M3–M8

- Heavy-duty open winch design for 7×24 continuous operations
- EHT + disc brakes; hardened gears; VFD stepless control
- European-standard forged wheels (42CrMo); LT 8-wheel & 4-drive
- Optimized modular design; flexible end carriages
- High-grade steel wire rope; stepless speed via frequency inverter
- Unmanned smart control available



9 SMART FUNCTIONS

Auto positioning

Area protection

Auto-centering

Auto-tracking

Shock protection

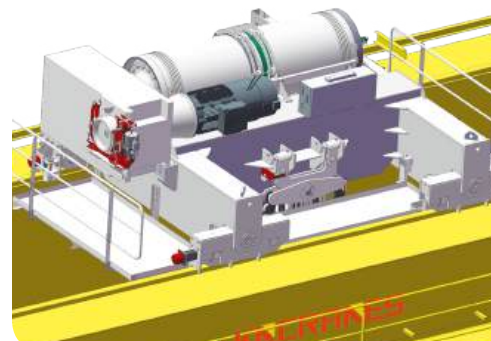
Inching micro-approaching

Anti-sway

Digital maintenance

Remote access & HMI

Applications: steel plants, foundries, shipyards, and heavy industries — ladle handling, billet handling, cold rolling mill, foundry duty with ladle hook.



CORE SERIES 4 OF 4

Gantry Cranes

EUROPEAN SINGLE GIRDER

SWL
1–20 t

SPAN
5–35 m

- HOL 3–40 m · duty M4–M6
- Stepless control; hardened gear
- Motor IP55, 60% ED; disc brake dust-proof
- No oil leakage, self-adjustable brake
- Smaller size, lighter wheel load
- Control: pendant / remote / cabin



HEAVY DUTY DOUBLE GIRDER

SWL
5–500 t

HOL
3–60 m

- Duty M3–M8; rigid + flexible leg
- Saves building cost and energy
- LT power supply cable reel drum
- Maintenance platform; heavy festoon
- Same 9 smart functions as heavy-duty overhead
- Outdoor wind anchors & rail clamps



SEMI GANTRY

SWL
0.5–80 t

DUTY
M4–M6

- One leg on ground rail, one on building runway
- Best of overhead + gantry for side bays
- HOL 0–90 m per site conditions
- Same European hoist and control platform
- Pendant / remote control



SPECIALIZED

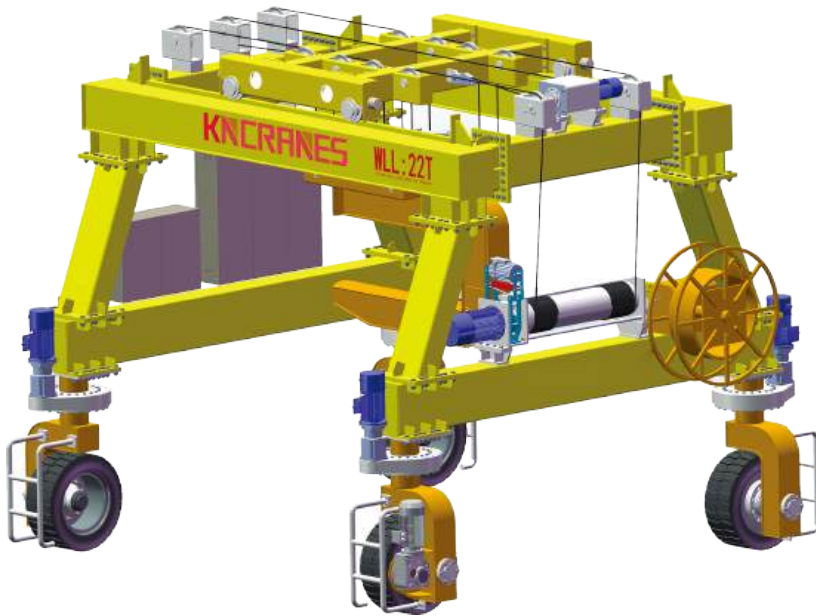
Tyre Gantry Cranes & AGVs

TYRE GANTRY CRANE

SWL
5–1,000 t

W × H
Customized

- Full-range mobility in tight and dynamic spaces
- Rapid deployment — no fixed rails or infrastructure
- Multi-purpose: lifting plus on-site transport
- Smart system for precise control
- Robust frame supports heavy loads with stability



AUTOMATED GUIDED VEHICLE (AGV)

SWL
20–1,000 t

SELF-LIFT
0–100 mm

- Omnidirectional drive with coordinated multi-motor system
- Hydraulic suspension leveling at multiple points
- Intelligent multi-vehicle linkage for automated fleet operation
- Multi-sensor fusion for precise autonomous navigation
- Strong adaptability to complex industrial environments



Components & control systems

INTEGRATED END CARRIAGE

- Modular integrated structure; 5 connection modules (A–E) for minimal headroom and multiple beam types
- Precision-cast wheels in high-strength GGG70; heavy-duty wheel blocks with central lubrication
- Adjustable wheel alignment (vertical & horizontal compensation)
- Direct-driven spline shaft; anti-corrosion wear-resistant coating
- Reduced wheel load for longer runway life

CRANE RAIL & BUSBAR

- Rails: Chinese (GB), German (DIN), American (ASCE) standards plus square steel — installed to GB/T 10183.1 tolerances
- Busbar range: seamless 50–140 A · multi-pole enclosed 35–200 A · single-pole 250–5,000 A · copper-head 500–5,000 A
- Wheel–rail compatibility consultation included with every crane

CONTROL SYSTEM & iSS MONITORING

- IEC-compliant crane panel, IP55, anti-corrosion treatment
- ABB / Schneider frequency inverters — smooth start/stop, less hook sway, lower power consumption
- iSS intelligent safety system: real-time monitoring of 30+ items — SWP counter, run-time counter, overload counter, motor starts, overheating protection, brake-wear supervision
- Ethernet / 4G remote access and diagnostics; anti-sway control with HMI
- 4-point adjustable limit switches with phase-loss detection
- Controls: pendant · IP65 radio remote · aviation-style cabin with panoramic visibility

MIO SMART HOIST FUNCTIONS

Zero-servo hover + anti-rollaway

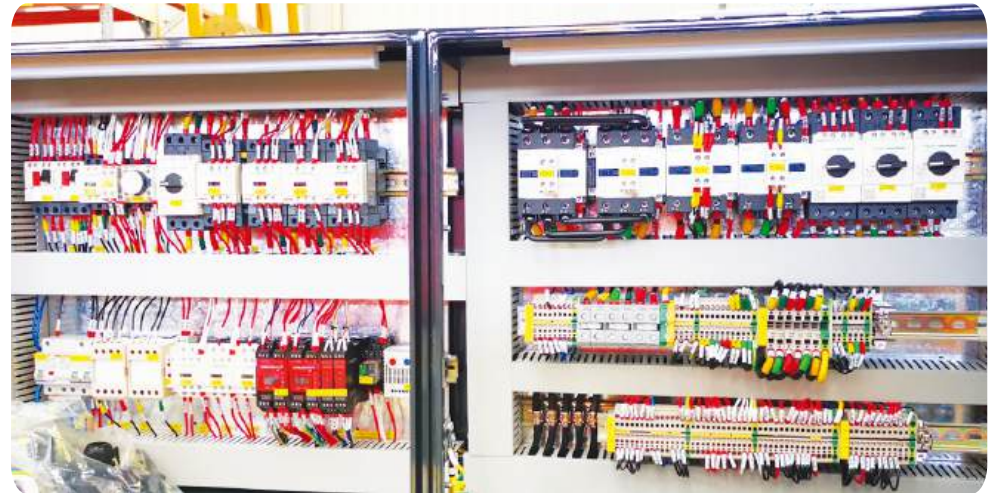
Braking torque detection

Brake logic control

Wire rope slack/break protection

Variable speed by load

Active anti-sway



Auxiliary lifting equipment



Round Magnet
Scrap & plate handling



Rotating Magnet Spreader
Rebar & section steel



Telescopic Electromagnetic Spreader
Multi-length billets



Mechanical / Hydraulic Grab
Bulk & waste handling



C-Type Hook
Coil handling



Coil Lifting Tong
Vertical coil lifts



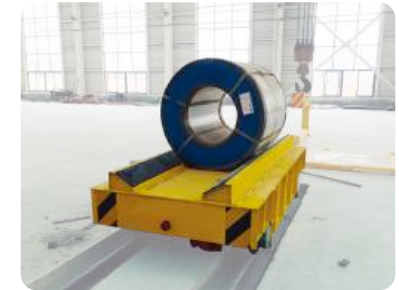
Billets Handling Clamp
Hot billet transfer



Coil Lifter
Slit coil packages



Container Spreader
20/40/45-ft ISO containers



Coil Transfer Cart
Inter-bay coil movement

All attachments engineered to match crane duty class and hook geometry — supplied with the crane or retrofitted to existing equipment.

Full-cycle service, before and after delivery

1

Complete Installation Documents

Part certificates, installation manuals, electrical drawings, safety instructions, commissioning videos.

2

Site Installation Supervision

Senior mechanical & electrical engineers assist on site with installation, commissioning, and technical guidance.

3

Site Investigation Service

On-site measurement and consultation to recommend tailored solutions — before the project begins.

4

Onsite Fabrication Assistance

In-house girder fabrication support with engineer drawings, kits, and ISO/CE-compliant guidance.

5

Local Engineer Maintenance

Certified local crane engineers for on-site inspection, diagnostics, and repair recommendations.

6

Chinese Engineer Maintenance

Senior engineers available globally for inspection and full technical support.

7

Third-Party Crane Maintenance

Inspection and repair assistance even for cranes not purchased from us.

8

24/7 Online Service

Multilingual support via WhatsApp, email, or video call.

DELIVERED

Selected projects (1 of 2)



Steel melting & casting cranes — FF Steel

Phase 1: 9 × 40 t overhead cranes. Phase 2: 2 × 75/25 t ladle cranes. FEM A8 continuous duty for steel melting shop. Delivered 2019.



Glass factory single-girder crane

10 t capacity, 18 m span, CE marked to EN 15011. Delivered and commissioned in 14 weeks including ocean freight. Sep 2023.



Automotive Tier-2 component plant

20 t double-girder overhead crane with on-site installation supervision by a Kino Cranes engineer. Sep 2023.



5 t European double-girder EOT

CE-marked European-style EOT crane for a general manufacturing facility. Remote control . 2025.

DELIVERED

Selected projects (2 of 2)

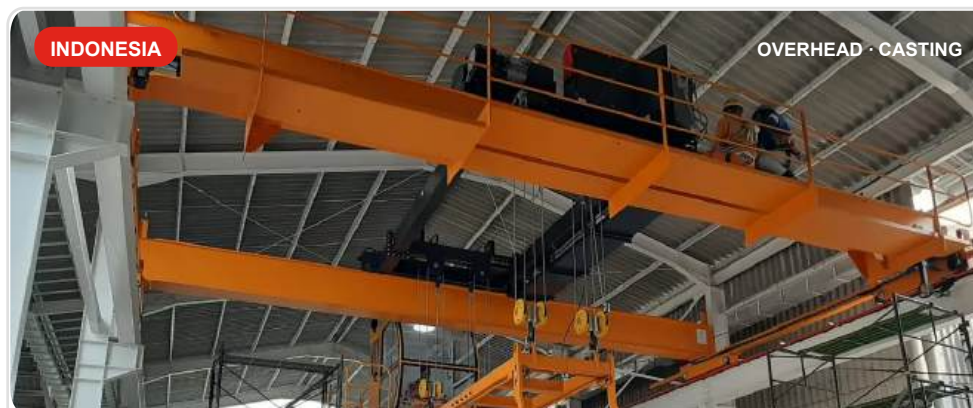


RUSSIA

CUSTOM · STEEL

Custom handling manipulator

2 sets of customized handling manipulators for an engineering services factory in Russia. Overall dimension 4720 × 1165 × 700 mm, approx. 846 kg each, with precision tolerance control, full inspection documents and on-site acceptance support. 2025.



INDONESIA

OVERHEAD · CASTING

4-hook EOT crane

14 t customized 4-hook EOT crane with 10 m span and 9 m lifting height, used to transfer pallets with templates from production line to storage area. Equipped with anti-sway, micro-speed, inching and shock-prevention functions. 2021.



DOMINICAN REP.

OVERHEAD · SINGLE GIRDER

10 t LDA single-girder crane

11.4 m span LDA-type electric single-girder crane, packed and shipped for a light-manufacturing facility. 2025.



120+ COUNTRIES

GLOBAL

Factory visits & exhibitions worldwide

Client delegations from Tanzania, UAE, Poland, Jordan, Mexico, Indonesia, Saudi Arabia, India, Russia, Malaysia, Spain, Pakistan and more. Exhibitions: USA, Germany, Uzbekistan, Bangladesh, Egypt, Mexico.

From inquiry to commissioning

1 Inquiry

Send capacity, span, and duty. Engineering responds within 24 hours.

2 Design & quote

Design proposal, standards checklist, and firm quotation. Free of charge.

3 Contract & production

Standard cranes: 25–35 working days. Custom: 45–60 working days.

4 Factory testing (FAT)

125% static + 110% dynamic tests. Reports ship with the crane.

5 Shipping

Crating and inland transport to port. Ocean freight 20–45 days.

6 Installation & commissioning

On-site supervision, commissioning at 110% load, operator training.

Installation labour is normally supplied by the customer under Kino Cranes supervision; full-labour installation is available in most markets. A structured crane inquiry data sheet (runway, building section, and clearance dimensions) is available on request to capture site conditions precisely.

CHECKLIST

7 things we need to quote your crane

Collect these seven items and our engineering team will return a design proposal and firm quote within 24 hours. Missing something? Send what you have — we'll follow up on the rest.

- | | | | |
|--------------------------|-------------------------------|---|---------------------------------|
| ☐ | 1. Rated capacity | Maximum load to lift, in tons | <i>e.g. 20 t</i> |
| ☐ | 2. Span | Rail-to-rail distance, in meters | <i>e.g. 22.5 m</i> |
| ☐ | 3. Lifting height | Floor (or rail) to hook, in meters | <i>e.g. 9 m</i> |
| ☐ | 4. Environment | Indoor / outdoor · temperature · hazardous area class | <i>e.g. indoor, -5 to 40 °C</i> |
| ☐ | 5. Duty cycle | Lifts per shift · shifts per day · average load | <i>e.g. 40 lifts, 2 shifts</i> |
| ☐ | 6. Power supply | Voltage · frequency · phases | <i>e.g. 380 V, 50 Hz, 3-ph</i> |
| ☐ | 7. Destination country | Determines CE / EAC / GB compliance scope | <i>e.g. Indonesia</i> |

Print this page, fill it in with your team, and send a photo of it to info@kinocranes.com or WhatsApp +86 190 3730 3917 — that's a complete inquiry.

Ready to specify a crane?

Send us your duty. Get a compliant design and firm quote in 24 hours.

MANUFACTURING BASE

Henan Kino Cranes Co., Ltd.

No. 36, Yangze Road, Changyuan City, Henan, China

info@kinocranes.com

+86 373 3809044

GLOBAL EXPORT HQ

Kino Cranes Pte. Ltd.

1 North Bridge Road, High Street Centre, #23-03, Singapore 179094

sale01@kinocranes.com

+65 6348 2570

WHATSAPP

+86 190 3730 3917

Scan to chat on WhatsApp · YouTube: Kino Cranes

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