HENAN MINE CRANE GROUP

Crane requirement form

01 / Project and lifting load

For overhead and gantry crane enquiries. Record the load and handling task first; leave unknown values blank or write "to agree".

1 Project and contact

Project / equipment reference

Country and installation location

Company / department

Contact name and role

Email or preferred contact

Required delivery / commissioning milestone

- [ ] Overhead crane
- [ ] Gantry / semi-gantry crane
- [ ] Other - specify below

Material, process and pickup / set-down task

2 Complete suspended load

Maximum material / vessel mass (t or kg)

Lifting beam, grab, rigging and other mass (t or kg)

Gross suspended mass and unit

Load dimensions / centre of gravity

Requested main-hook rating (t)

Requested auxiliary-hook rating (t, if needed)

Load cases: one hook, separate tasks, tipping or coordinated operation

Load basis

Include all suspended items borne by the crane. Main and auxiliary hook ratings are separate; add a load-case schedule for any combined or coordinated operation.

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02 / Site geometry and working envelope

Use one consistent datum and attach an outline drawing. A building height, hook travel and available headroom describe different dimensions.

3 Runway, support and hook positions

Runway rail-centre span (m)

Runway / bridge travel length (m)

Rail-top elevation above floor / datum (m)

Lowest roof / service obstruction elevation (m)

Highest required hook position above datum (m)

Lowest required hook position above datum (m)

Required useful hook travel (m)

Available space above rail top (m)

Required side / end approaches (m)

Rail section and existing support information

Load route, obstructions, maintenance access and lifting-gear height

4 Gantry / outdoor details, if applicable

Ground rail centres / support arrangement (m)

Cantilever reach and required load position (m)

Ground / rail foundation and wheel-load interfaces

Wind, storm parking, travel route and site restrictions

Compare the selected outline

Ask for the selected crane envelope, upper hook position, approaches and wheel reactions on the same coordinated drawing. Existing supports need their own structural review.

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03 / Operating duty, power and enquiry attachments

Describe actual operation so the lifting arrangement, mechanisms and controls can be reviewed together.

5 Duty and operating environment

Lifts per hour / starts and stops

Working hours per shift / shifts per day

Load spectrum: typical load, maximum load frequency and travel distances

Ambient / load temperature range and exposure

Dust, corrosion, washdown or hazardous-area details

Site voltage / frequency / phase

Power-feed route and connection boundary

Lifting / trolley / bridge speed or positioning needs

Pendant, radio, cabin or automation requirements

6 Documents and divided responsibilities

- ☐ Site / runway layout
- ☐ Load and lifting-point schedule
- ☐ Support / rail drawings
- ☐ Duty and process schedule

Supply boundary, installation duties, inspection and handover needs

Other requirements / drawing filenames and revisions

Send the completed form with your enquiry

Use the existing Contact page to share this form and supporting drawings.
https://henanminecrane.group/contact/

Sales contact: info@hnksglobal.com