



Cranes and Crane Kits

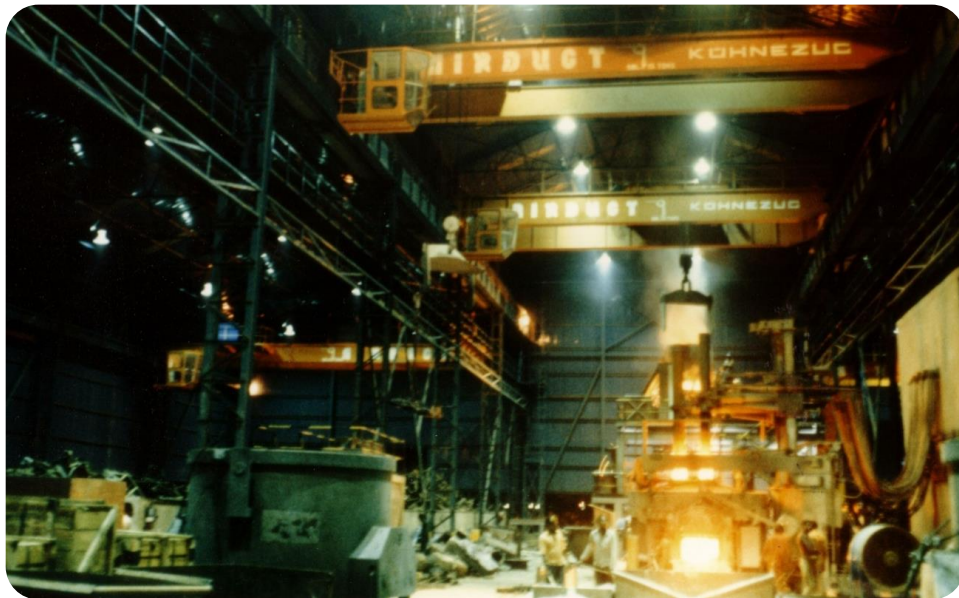
Sophisticated Hoisting Technology since 1961



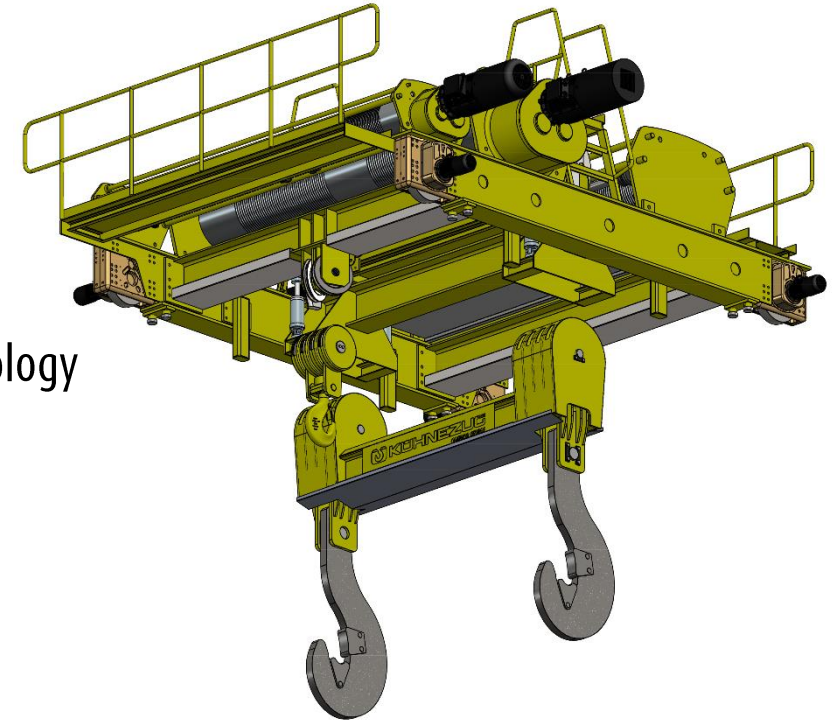
Steel Mill, Foundry & Ladle Crane Projects

Steel Mill, Foundry & Ladle Cranes

- Ladle cranes up to 250 t capacity, charging cranes and scrap cranes
- Redundant systems for fused material and ladle cranes
- Heavy duty, all parts in duty class FEM 5m if required
- Resistant against steel mill environment (dirt, dust, heat)
- Maintenance-friendly design reduces downtime
- Smooth and precise positioning by using frequency inverter technology

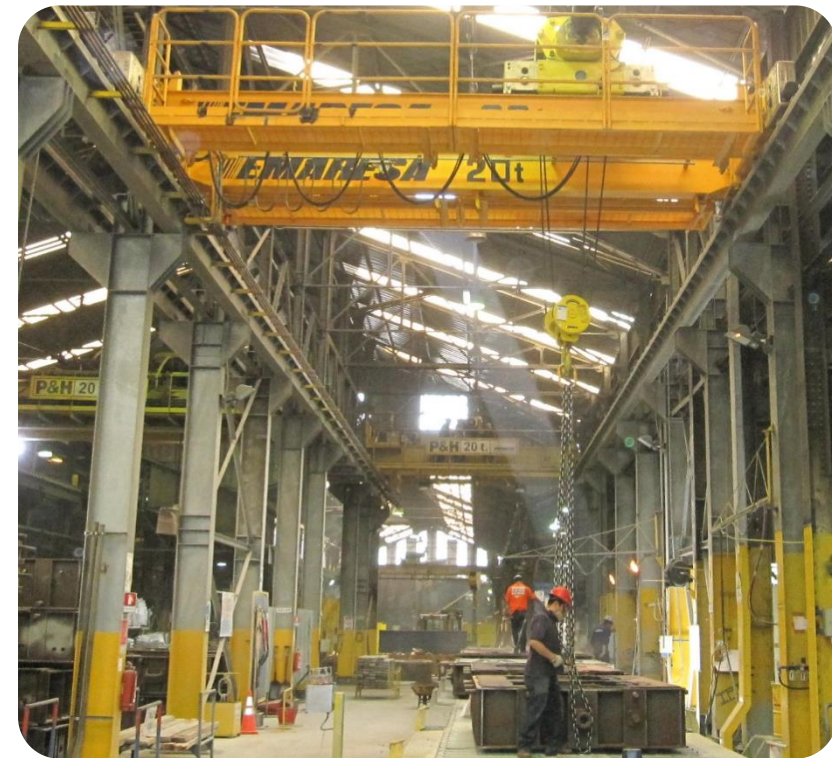
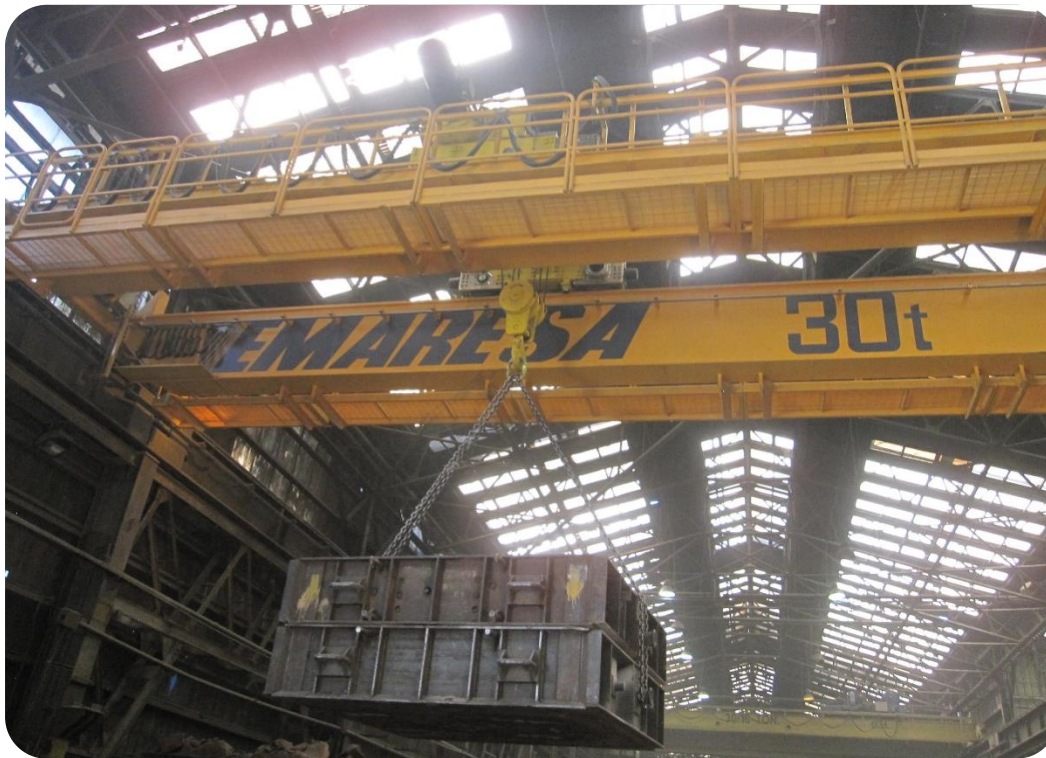


100t / 25t / 20t / span 26m / billet casting factory



Steel Mill Cranes

Pos.	Application	Crane Typ	Crane Qty.	FEM	SWL	Span	Lifting Height	Main Hoist Model	Aux. Hoist Model	Trolley Drive Unit	Crane Drive Unit	Location	Year	Ambient Temp.	Main Hoist Speed	Aux. Hoist Speed	Trolley Speed	Crane Speed	Main Hoist Load Hook	Aux. Hoist Load Hook
1	Steel mill	Overhead	1	5m	8 t	12 m	10 m	KNFU 6524 EZK	-	RC1250	RC1250	Chile	2010	40°C	7,5 m/min	-	20 m/min	25 m/min	RN 5	-
2	Steel mill	Overhead	1	4m	20 t	7 m	8 m	KNFU 7424 EZK	-	RC1600	RC2000	Chile	2011	40°C	11 m/min	-	20 m/min	40 m/min	RN 10	-
3	Steel mill	Overhead	1	4m	30 t	18,3 m	8 m	KVFU 7526 EZK	-	RC2000	RC3200	Chile	2011	40°C	12 m/min	-	30 m/min	60 m/min	RN 12	-
4	Steel mill	Overhead	2	5m	20 t	6,4 m	8 m	KNFU 752Z2 EZK	-	RC1600	RC2000	Chile	2011	40°C	15 m/min	-	35 m/min	80 m/min	RN 20	-



Coal handling Cranes

Pos.	Application	Crane Typ	Crane Qty.	FEM	SWL	Span	Lifting Height	Main Hoist Model	Aux. Hoist Model	Trolley Drive Unit	Crane Drive Unit	Location	Year	Ambient Temp.	Main Hoist Speed	Aux. Hoist Speed	Trolley Speed	Crane Speed	Main Hoist Load Hook	Aux. Hoist Load Hook
1	Coal	Overhead	2	4m	25 t	-	16 m	KVFU 7436 EZK	DXFU 4532 FO	RC1600	RC2500	Pakistan	2005	40°C	6 m/min	10 m/min	20 m/min	50 m/min	RN 12	RN 4
2	Coal	Overhead	2	4m	30 t	-	16 m	KVFU 7438 EZK	DX 4532 FO	RC1600	RC2500	Pakistan	2005	40°C	5 m/min	10 m/min	20 m/min	50 m/min	RN 16	RN 4



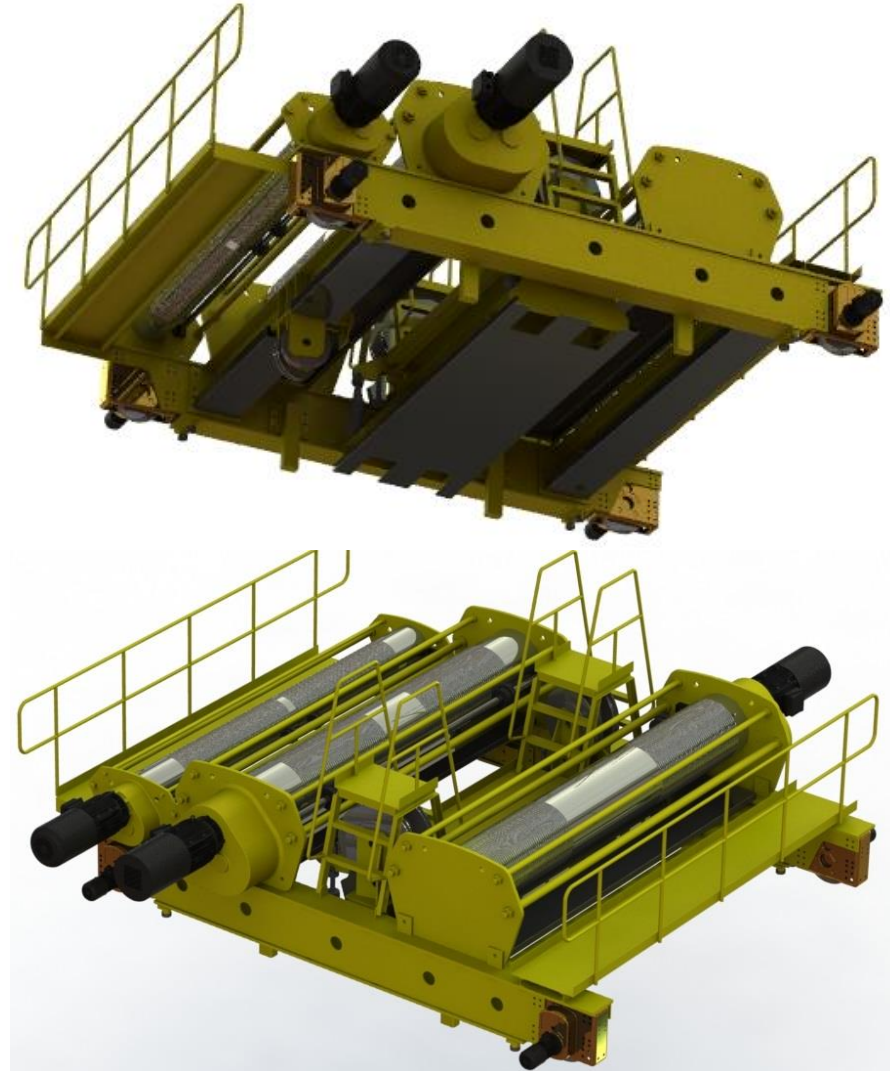
Redundant Design

All critical hoisting components are installed two times in twin design:

- Frequency inverter, hoisting motor, gearbox, ropedrum and rope.
- Each of the twin hoists is capable of lifting the full load on its own.
- This way in case of a failure of one hoist the load is lifted by the other
- This extra safety is a must-have!

In regular operation the load is shared between both hoists. Sharing the load in usual operation brings the following advantages:

- Heavy duty, all parts in duty class FEM 5m if required
- Less wear due to safety-capacity that is only used in case of an emergency
- Higher hoisting speeds with less heat emission of motor and electrical parts
- Longer lifetime



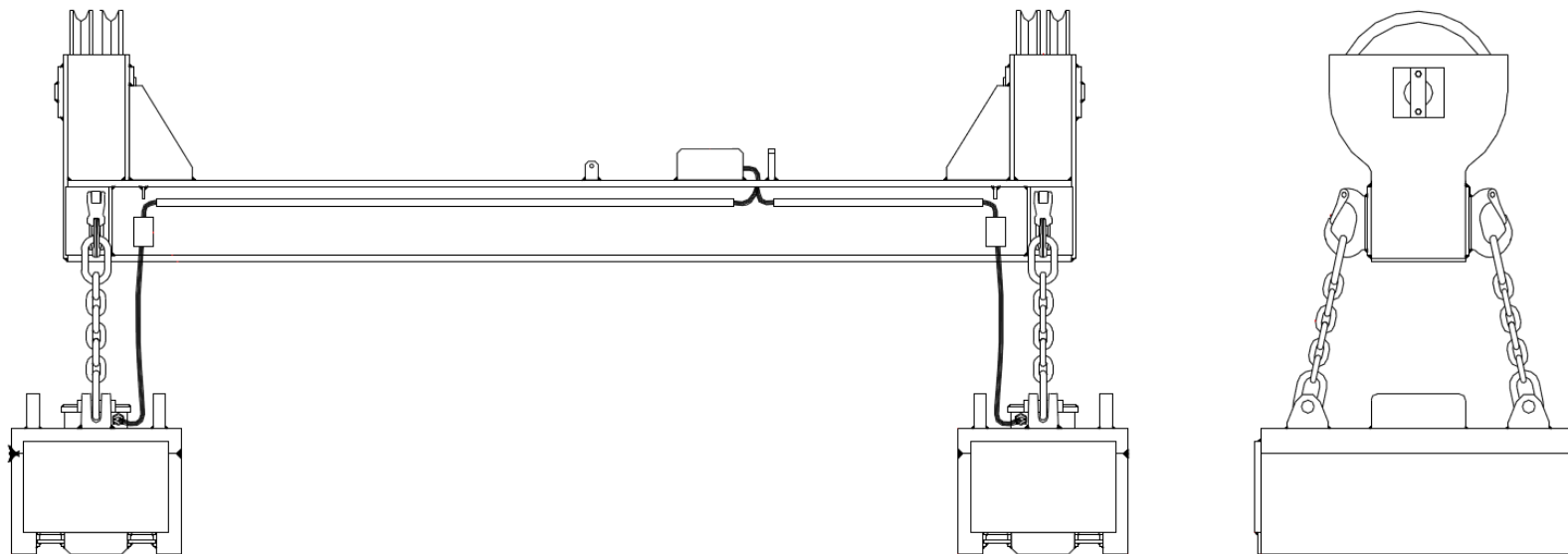
Electromechanic Disc-Brakes

- For decades KÜHNEZUG has been implementing electromechanical disc brakes in their cranes and has perfected its application. The spring-operated electromagnetic safety brakes function as holding brakes during regular duty and as emergency brakes in case of a loss of power.
- The advantages of our disc-brakes:
 - Over 1 Million operations without the need for adjustment
 - In case of a loss of power the brakes are tightened and the load is safe
 - On normal operation the brakes function as holding brakes. While the motors are running the brakes are open and dynamic braking is done by the frequency inverter
 - Less wear and heat emission
 - Great breaking torque to size ratio
 - Easy and intuitive maintenance
 - No need for hydraulic system and therefore fewer failures
- Availability of optional features such as: Manual brake release, micro switch or inductive sensor, increases protection IP66, temperature feeler, stationary heating system and low noise version



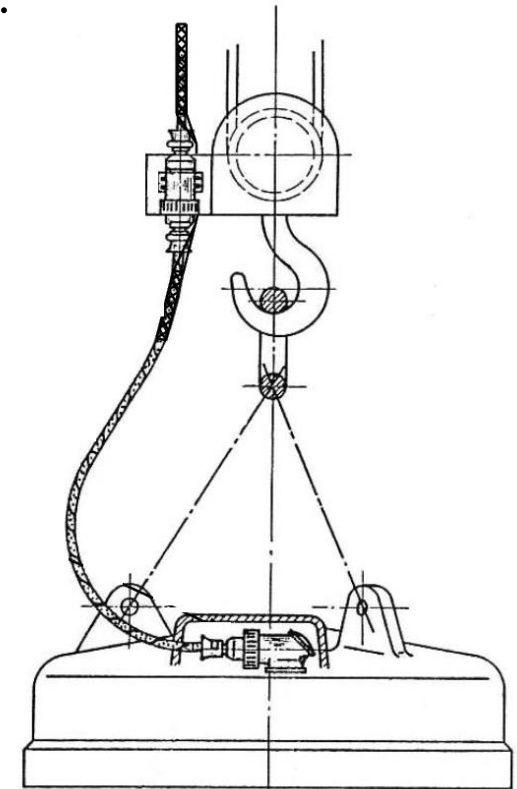
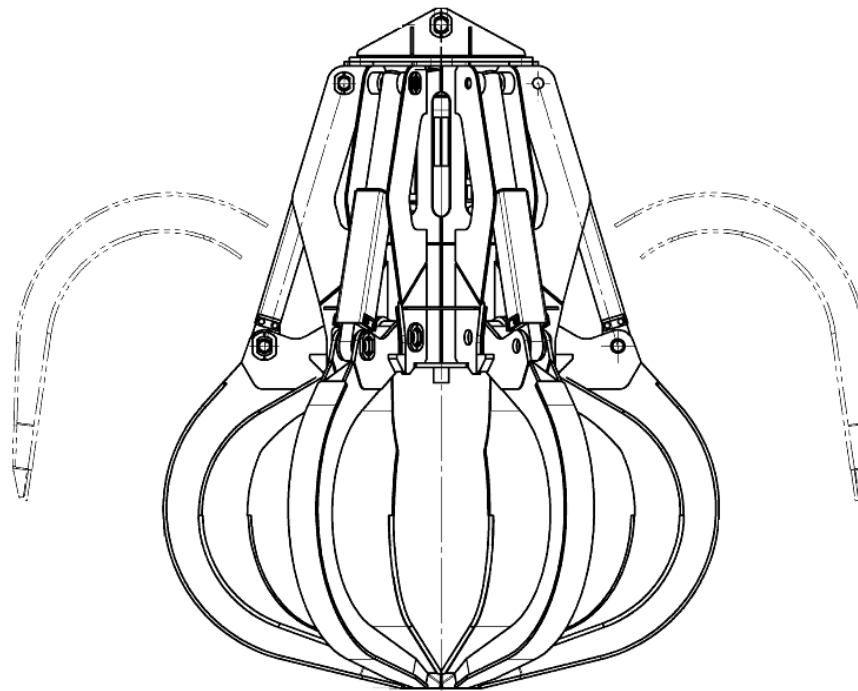
Billet Cranes

- KÜHNEZUG billet cranes are equipped with state of the art magnets from Germany.
- Powerful magnets allow the handling of many different billet types
- The magnets are equipped with the latest safety installations, like back-up power supply, stepless control of the magnet power, two-button-control for drop of the load and many more



Scrap Cranes

- KÜHNEZUG scrap cranes as one option work with a very robust and heat-resistant round magnet for big pieces of scrap.
- For smaller pieces of scrap and cold scrap it is recommended to work with a motor-grab
- All material handling devices are in low maintenance design Made in Germany.





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We are looking forward to discussing the configuration
of your hoisting equipment with you individually.

We are always at your service.