

Your Global Source for Coker Crane Technology.



Safety. Reliability. Productivity.

All prime concerns for coker operators using bucket cranes to move coke. Add minimal time available for weekly maintenance and infrequent outages for major repairs, and you have a real challenge for operators who need to keep their lifting equipment running.

Konecranes' coker crane technology is designed to meet this challenge head-on.

Important components like drives and gearboxes are engineered to reduce maintenance requirements, while our proprietary DynA Load Control technologies manage critical crane functions to reduce structural stress, increase efficiency and prolong equipment life.

For example, DynAPilot load sway control minimizes load sway from bridge and trolley motions, reducing collisions between the bucket and the pit walls or hopper and preventing equipment damage.

It also makes it easier to transfer a full bucket of material into the hopper without spillage. Sway control increases operator confidence, reduces training time and allows operation of the crane to its full potential.

DynAGrab, another key Load Control feature, synchronizes the Holding and Closing hoists to allow operator control with a single joystick. This control is much easier to learn than conventional 2-joystick controls, allowing a new operator to quickly become proficient. It provides more effective load sharing, reduces machinery stress and spillage and lengthens rope life.

This is just the tip of the iceberg when it comes to cutting-edge design features that ensure safety, reliability and productivity. There's a lot to know about Konecranes coker crane technology.

Visit with us to learn more at:
www.konecranesamerica.com

KONECRANES®
Lifting Businesses™



COKE HANDLING BUCKET CRANES BY KONECRANES

Ordered	Customer	Project	Qty.	Capacity	Bucket	Type
2007	Fluor	Marathon, Garyville, LA	1	30 Ton	17 Yd. Mech.	Bridge Crane
2006	Bechtel - France	Reliance, India	2	35 MT	20 Yd. Mech.	Bridge Crane
2006	Fluor	Tesoro Golden Eagle, CA	1	44 Ton	25 Yd. Mech.	Bridge Crane
2006	Foster Wheeler Iberia	BP Spain	1	17 MT	8 M Mech.	Semi-Gantry
2005	Bechtel, ConocoPhillips	Borger Refinery, TX	1	30 Ton	17 Yd. Mech.	Bridge Crane
2004	ConocoPhillips	Alliance Refinery, LA	1	18 Ton	10.5 Yd. Mech.	Bridge Crane
2003	Larsen & Toubro	Indian Oil Co., Panipat	1	44 MT	25 M. Mech.	Semi-Gantry
2001	Bechtel	Hovensa, St.Croix	1	45 Ton	25 Yd. Mech.	Bridge Crane
2000	Foster Wheeler	Sincor, Venezuela	2	25 m-ton	11.5 M. Mech.	Semi-Gantry
2000	SK Engineering	PEMEX, Madero	2	27 ton	18 Yd. Mech.	Semi-Gantry
2000	Bechtel	Marathon, Garyville, LA	1	27 Ton	17 Yd. Mech.	Bridge Crane
1998	Conсорcio Contrina	VEHOP Venezuela	2	22 m-ton	12.5 Yd. Mech.	Bridge Crane
1997	Chiyoda Corp.	Melaka Refinery	1	15 m-ton	8 M. Mech.	Bridge Crane
1996	Foster Wheeler	Lyondell Citgo, TX	2	27 ton	18 Yd. Mech.	Semi-Gantry
1991	Bechtel / Conoco	Billings, MT	1	8 ton	4 Yd. Mech.	Bridge Crane
1990	Bechtel	Star - Port Arthur, TX	1	25 ton	17 Yd. Mech.	Bridge Crane
1984	Texaco	Anacortes, WA	1	17 Ton	8 Yd. Hyd.	Semi-Gantry
1983	Fluor	Puget Sound Plant, WA	1	14 ton	8 Yd. Hyd.	Bridge Crane
			Total	23	Updated January, 2007	

Konecranes' approach to minimizing downtime is to include features that reduce the need for maintenance, and to engineer cranes to be easier and faster to maintain during planned outages.

Here are only a few of the many maintenance reducing features Konecranes includes in its coker cranes:

Maintenance Reducing Software:

- DynAGrab Hoist Synchronization
- DynATrak Bridge Steering
- DynAPilot Sway Control
- DynAMonitor Maintenance Monitoring
- CMS Crane Monitoring System
- RemoteExpert Remote Monitoring
- AutOPilot Semi-Automation
- Siemens S7 PLC Platform

Maintenance Reducing Electrical Features:

- Control House (Pressurized, A/C)
- Wired-in Spare Inverters
- Regenerative Network Braking
- Stepless Variable Frequency Control
- Squirrel Cage. Inverter Duty Motors
- Ergonomic, Full-Featured Operator's Cab

Maintenance Reducing Mechanical Features:

- Moment Isolation System
- 50,000 Hours Bearing Life
- High Quality Gearing
- Grouped Lubrication Fittings
- Rope to Re-reeve Bucket Three Times
- Load Cells on Each Drum
- Platform Maintenance Access

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