

228 HYLAB


Link-Belt
C R A N E S

130-ton (117.9 mt) Lattice Boom Crawler Crane

- **Transports with crawlers, rope and base** —
119,541 lbs (54 224 kg) with side frames
74,225 lbs (33 668 kg) without side frames
- **Free-fall wet brake winches** w/automatic mode
- **HSL style operator cab**
- **Modular counterweight design**
- **Upper guard rails**
- **Link-Belt vision package**
- **Bullet proof hydraulic pilot operated controls**
- **Superior capacities**
- **Complete self assembly capacity**



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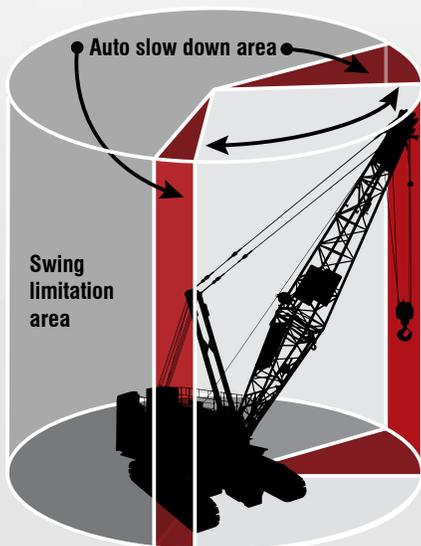
130 ton (117.9 mt) Lattice Boom Crawler Crane

Heavy-duty power for the most demanding jobs

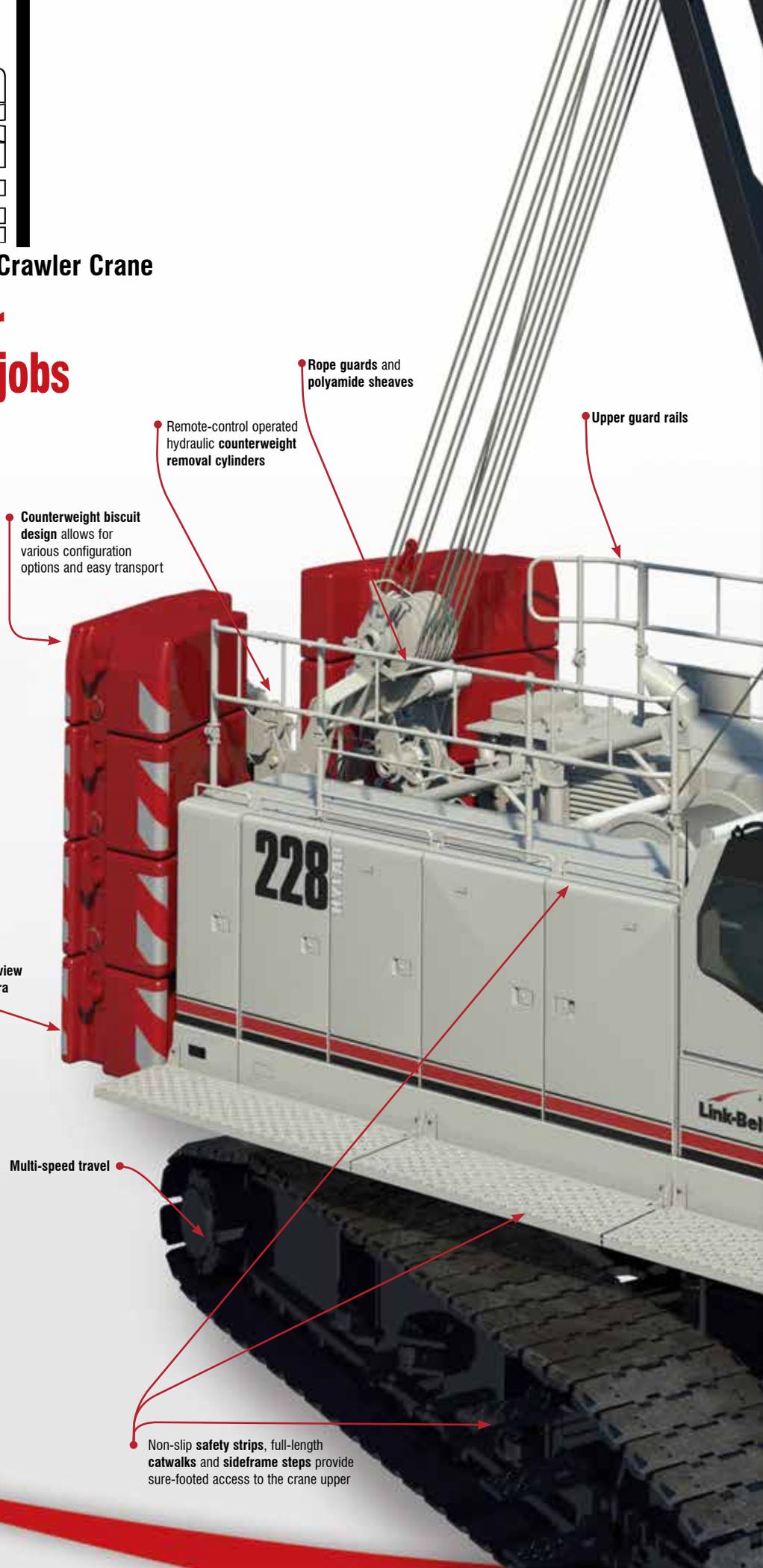
- Robust engine with **total horsepower control** provides unbeatable line speeds under load.
- **Multi-disk wet brakes** for smooth load control. Virtually no friction drag from planetary. Thousands of hours of duty cycle operation expected without maintenance or adjustment.
- **High travel torque**
- **Six pump** main hydraulic package provides smooth performance.
- **26 mm rope** on front and rear hoists with automatic pawl and grooved lagging
- **Matched front & rear drum** performance with 44,565 lbs (20 214 kg) line pull
- **True gravity freefall** for cycle-type work and pile driving

Options include:

- **Third drum** features controlled free spooling capability for pile driving applications or power up/down as auxiliary hoist line.
- **Rear mount fourth drum** — identical to main and auxiliary winches



Virtual Wall Auto Stop



Rope guards and polyamide sheaves

Remote-control operated hydraulic counterweight removal cylinders

Upper guard rails

Counterweight biscuit design allows for various configuration options and easy transport

Rear view camera

Multi-speed travel

Non-slip safety strips, full-length catwalks and sideframe steps provide sure-footed access to the crane upper



• **Standard** self assembling hooks

• **"Quick Draw"** self-erecting cylinder for faster and more efficient self assembly

LEFT SIDE SWING CAMERA

WINCH VIEW CAMERA

REARVIEW CAMERA

Vision package

Link-Belt offers the most comprehensive job site visibility package on the market. The 228 HSL features left side swing camera, rearview camera, and winch view camera. All feeding to a full color 7" display in the operator's cab.

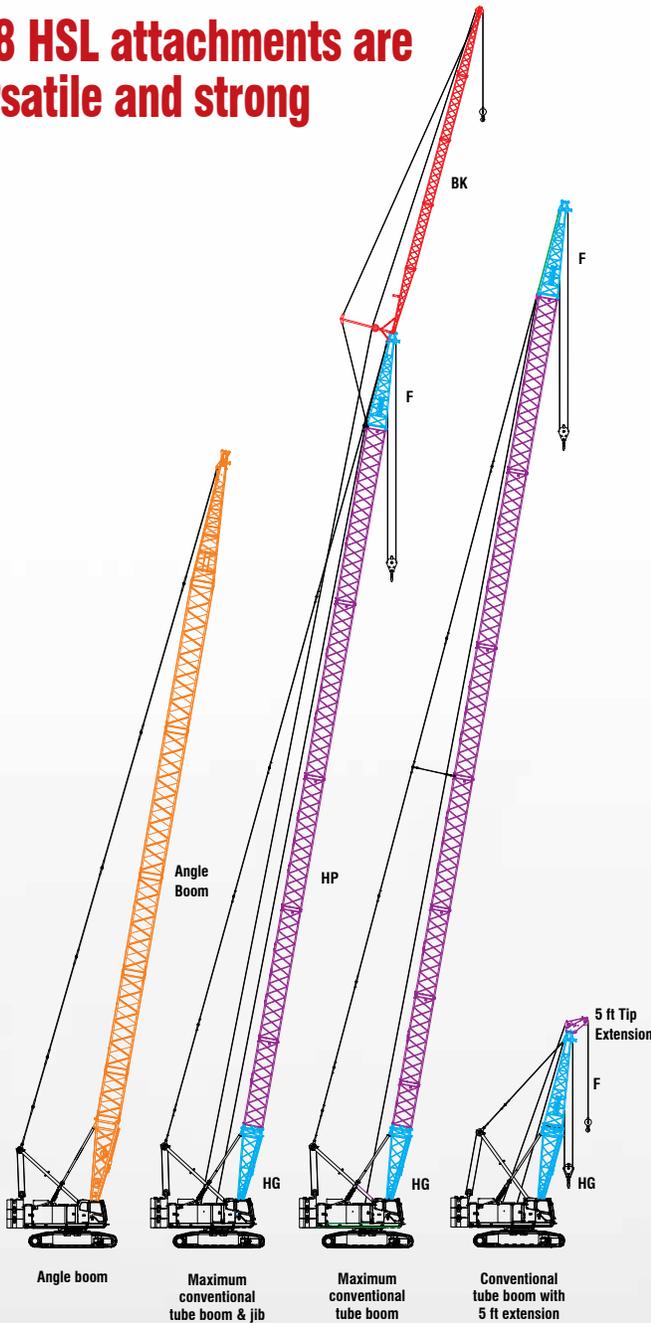
• **Full contact 36" track shoe** design for maximum contact area to minimizes ground bearing pressure

• Completely **sealed lower**, hydraulic cylinder **track tensioning system** and **travel limit adjustment**

• (2) 13,250 lbs (6010 kg) **hook and pin-mounted car body counterweights** narrow design allows to work in any track gauge

• Completely **sealed lower, sealed (oil-filled) track rollers**, and drive planetaries and compact hydrostatic drives add up to outstanding reliability and near-maintenance-free operation.

228 HSL attachments are versatile and strong



Heavy-duty tube boom

- 45 - 235 ft (13.72 - 71.63 m) heavy-duty tubular boom
- Heavy-duty boom tip
- Maximum tip height of tube boom + jib: 283.6 ft (85.3 m)
- Conventional boom is also luffing boom

Fixed jib

- 30 - 75 ft (9.14 - 22.86 m) fixed jib
- Offset angles at 5°, 15° and 25°

Heavy duty angle boom

- 45 - 155 ft (13.72 - 47.24 m)
- Designed for rough application and handling where job site and transportation conditions are less than ideal for tube boom

Auxiliary 5' tip extension

- Designed to use in place of jib to provide clearance between working hoist lines
- Maximum capacity is 18.5 tons (16.78 mt)



Quick reeve boom head

Four polymer head sheaves with maintenance free sealed bearings



Double tapered connecting pins for installation/removal from outside of boom. Boom connecting pins store in pin catchers for transport.

The boom top section features **heavy duty polyamide sheaves** and standard **pin-on points** for attachment of options such as a fixed jib, tip extension and adapters for universal pile driving leads. **Narrow head machinery** allows pendants to rest on top of boom extensions. Standard three sheave idler allows up to 3 load line over top of boom.

In-line boom suspension load cell, standard with anti-two block system for both front and rear drum

Optional pile driving lead adapter, extended head shaft for fixed leads





Highly functional and comfortable cab

- Wide doors for easy entry
- 18,000 BTU **air-conditioning**
- 19,000 BTU **hot water heating**
- **Six-way** adjustable seat
- Easy-to-read **backlit gauges**
- Adjustable armrest console with **pilot-operated single-axis controls**
- **Hydraulic pilot controls** for variable hoist, swing and travel performance
- **Variable hydraulic output** from main pumps controlled by variable hand throttle for infinite control
- Fingertip **high speed hoist button** for front and rear drum
- Low-effort free **fall hydraulic pedals** with minimal range of motion can remain latched for power up/down operation
- Full function **rated capacity limiter** monitored by load sensing via boom hoist mounted load cell
- **AM/FM Radio**

Outstanding standard features

- **HSL capacity limiter** with high visibility color graphic display
- **Foot operated swing brake pedal**
- **Link-Belt vision package** (3 cameras monitoring winches, rear view & left side swing)
- **Operator selectable idle engine shut off**—optional

Telematics. You own the data!

Cellular-based data logging and monitoring system that provides:

- Viewing options for sharing data with distributor and Link-Belt
- Location and operational settings
- Monitor routine maintenance intervals
- Crane and engine monitoring
- Diagnostic and fault codes



Variable hand throttle for infinite main pump control.



Pilot-operated armchair controls with adjustable sliding console



Integrated digital climate control with 5 speed fan



Hydraulic flow volume for precise control





Excellent access for all routine engine and hydraulic maintenance

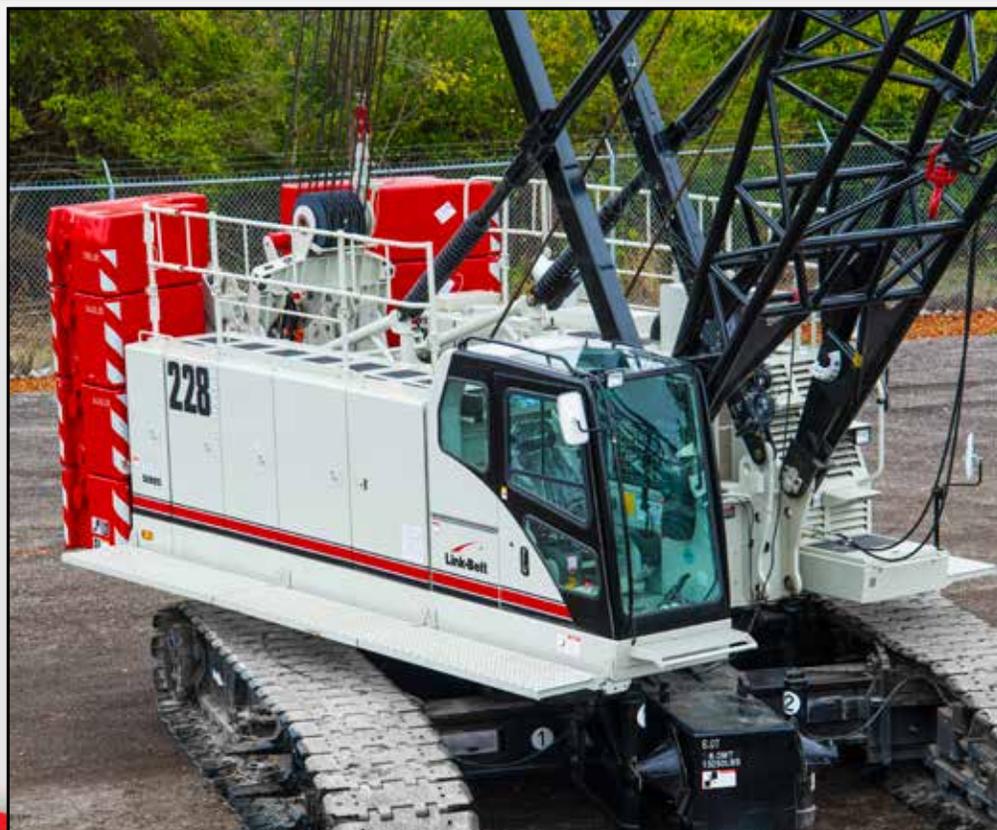


Engine

- **Smooth, quite efficient clean power with total horsepower control** provides unmatched line speeds under loads, as well as multi function ability
- Cummins QSB 6.7L Tier 4 Final engine
- **Operator selectable idle engine shut off** for improved fuel economy

Versatile winch package

- Matching hoist drums with 26 mm rope and **2 operating modes**
- Power up power down with **automatic brake**
- Free fall with **Link-Belt's exclusive wet brake design** provides best feel and control of any wet brake design along with smooth performance
- **Main and auxiliary winch** are equipped with eco mode providing high line speeds at idle engine RPMs for light loads



Standard fold down upper hand rails



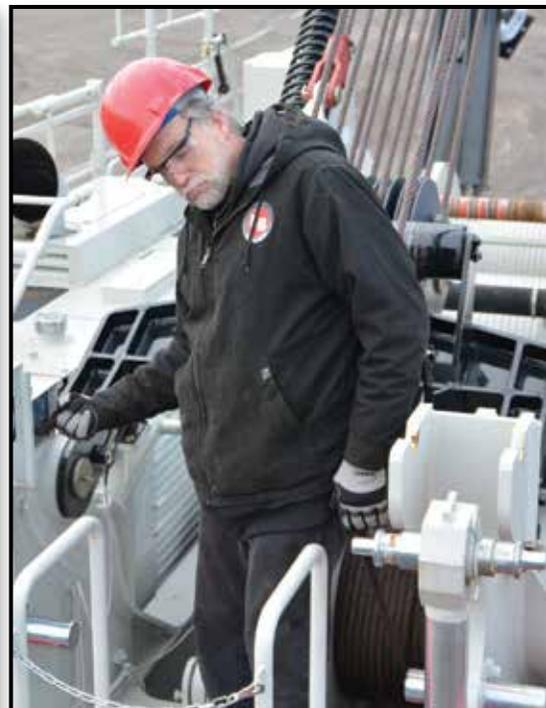
Counterweights lower completely to the ground

Transportability and assembly

- **Transports with crawlers, rope and base** — 119,541 lbs (54 224 kg) **with** side frames
74,225 lbs (33 668 kg) **without** side frames
- **Transports in 5 or 6 loads total**
- **9-piece counterweight system** is designed for easy handling and blended load-outs
- **Innovative counterweight removal system** — hydraulic counterweight cylinders remain with counterweight to **reduce base machine transport weight**
- Counterweight removal control located on top of counterweight. **Ladder included to access control station. Platform provides optimal viewing of counterweight assembly/disassembly**
- **Pendants can be stowed** on boom extensions for transport
- **Standard left and right catwalks** easily fold-up for transport



Counterweight removal control station



Counterweight cylinders remain with counterweight for transport

“Quick Draw”

Quick draw single hydraulic cylinder mounted in boom base section is used for self-assembly and disassembly — no need for a helper crane or special rigging block — includes lifting sling



Link-Belt Construction Equipment Company is a leader in the design, manufacture and sales of telescopic and lattice boom cranes with headquarters and manufacturing facilities in Lexington, Kentucky, USA. Link-Belt is committed to the manufacture and service of high quality products that satisfy customers worldwide

Towards that end, Link-Belt has pursued a strategy of growth and investment. It has moved aggressively to seize more global market share by producing a broader range of products and strengthening distribution and personnel around the globe.

Link-Belt is also home to a family of passionate professionals with a legacy of innovation and cutting-edge technology spanning over 140 years. These professionals, in a 740,000 sq. ft. (68 748 m²) manufacturing facility and with a culture of continuous innovation, have pushed Link-Belt to be the most modern crane manufacturer in North America.

Your crane investment is always protected... with your Link-Belt distributor.

When you invest in a Link-Belt crane, you invest in a legacy of outstanding customer support dating back to 1874. The ultimate value of a machine begins with state-of-the-art design and quality manufacturing, but it is the excellent Link-Belt distributor product support that determines its long term value. This philosophy has earned Link-Belt cranes the enviable position of traditionally commanding some of the highest resale prices in the industry.

"... to be recognized as a **leader** in **customer service & satisfaction.**"
— The Link-Belt Vision

Link-Belt Preferred

As a member of Link-Belt Cranes user's group, you will have access to:

- A comprehensive online library of parts, service & operator manuals for YOUR crane
- Interactive, live groundbearing calculations for YOUR crane
- Online access to recommended spare parts lists, filter, lube and key lists plus maintenance information and more
- No annual fee or charges to access your crane information
- Factory-trained distributor support
- Experienced factory technicians
- 24/7 parts distribution with 95% availability
- Factory parts customer service reps
- Link-Belt certified structural repair
- Boom inspection
- 3D lift planning
- Plus a vast array of information on new products, services and special offerings

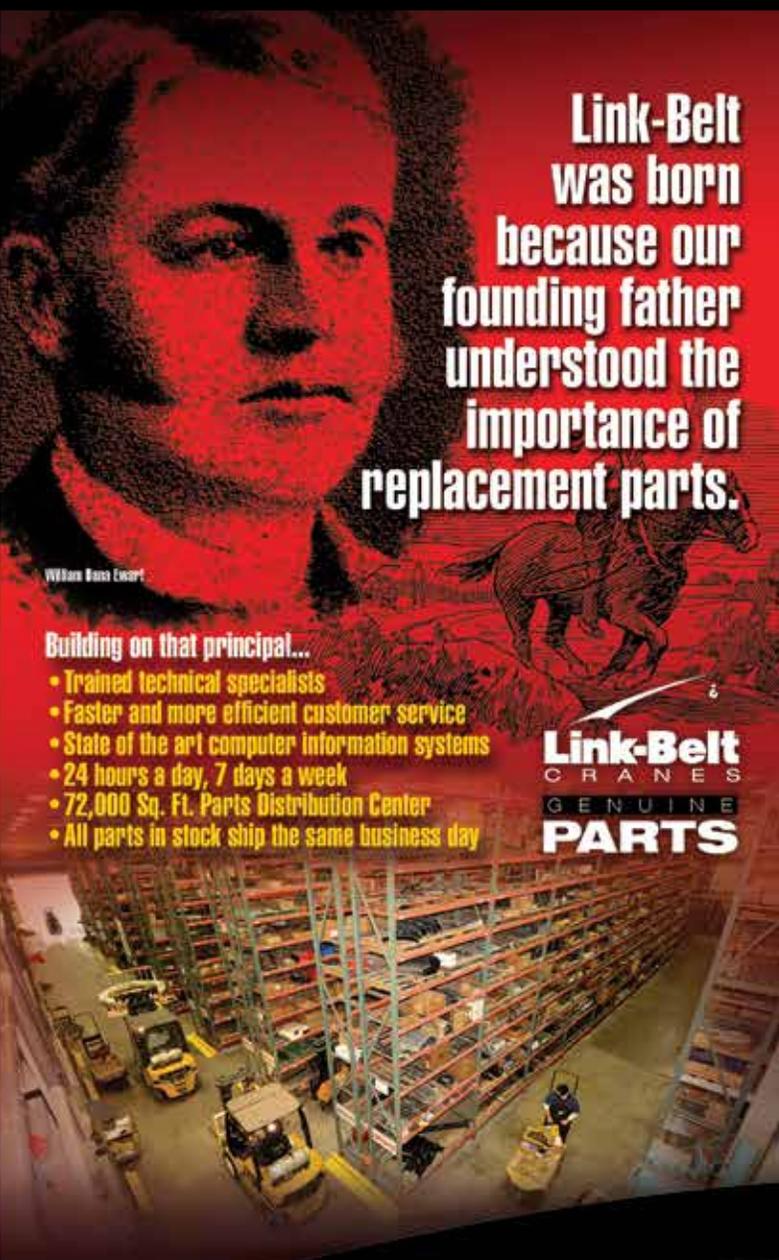
Online 3D LIFT PLANNING

- Web-based, active 3D, high graphic
- User-friendly, no CAD program required
- Always current, no updates required
- Print actual lift



Online GROUND BEARING PRESSURES

- Dynamic specific machine model ground loadings
- Graphically illustrated in 360° numerical presentation
- Print out



Link-Belt was born because our founding father understood the importance of replacement parts.

Building on that principal...

- Trained technical specialists
- Faster and more efficient customer service
- State of the art computer information systems
- 24 hours a day, 7 days a week
- 72,000 Sq. Ft. Parts Distribution Center
- All parts in stock ship the same business day

Link-Belt CRANES GENUINE PARTS



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