



**BARNHART CRANE &
RIGGING COMPANY**

THE LIFTING LETTER

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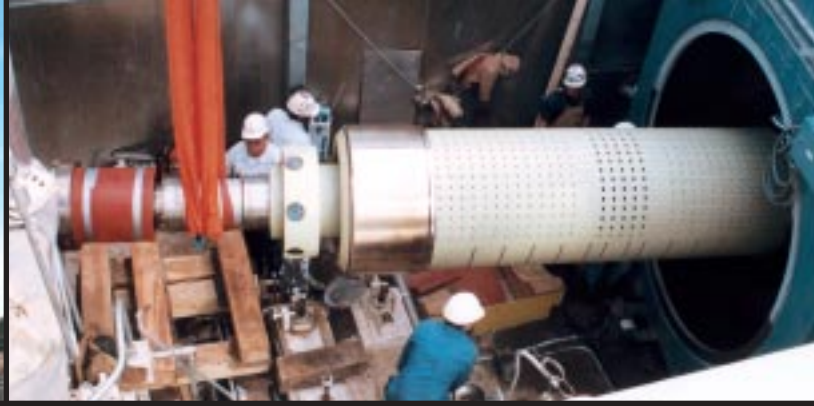
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**OUT WEST WITH THE
MODULAR LIFT TOWERS**

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Emergency Rotor Removal

Tight quarters proved to be no problem for Barnhart at a Mississippi power plant. Barnhart was called on to remove a failed rotor from one of the plant's main generators and transport it back to the manufacturer. Hydraulic jacks and rollers as well as one of Barnhart's LTM 1400s (500 ton hydraulic crane) were utilized to overcome minimal working room. The rotor was carefully guided out of the generator, through the building wall, under ductwork, along the side of the generator and ultimately out through the roof of the second floor. Barnhart responded quickly to the emergency and completed the job safely.



Earlier this year, the city of Nashville needed assistance with the rebuilding of an historical bridge that stretches across the Cumberland River connecting downtown to the Tennessee Titans' Stadium.

A TITAN OF A LIFT

The bridge, though mostly finished, had one last span to be lifted. This steel span measured 100' in length, 42' in width and weighed 260,000 lbs. The city was concerned that this Nashville landmark built in the early 1900's would be irreplaceable if damaged. Barnhart Crane & Rigging used its Demag CC1200 with superlift and a complicated 12 point lifting arrangement to safely lift the bridge section from the ground to its final resting place atop its new piers at a 50' elevation.

New Modular Lift Tower Technology

This spring, Barnhart commissioned a new application for their Modular Lift Towers (MLTs). At a power plant in Alabama, the MLTs were constructed in a gantry style configuration to set HRSG modules in excess of 230 tons. The benefits of the Modular Lift Towers include containerized mobilization, as well as lower ground bearing and higher safety margins than comparable cranes. This system is designed for flexible assembly and ease of mobilization. Pictured below, Barnhart utilizes Goldhofer platform trailer to transport the HRSG modules to the Modular Lift Towers.

The steam turbine generator was also set on this project using the Modular Lift Towers.



2001
Barnhart Awards



Rankin Fowlkes, Memphis Branch Manager, presents Robert Cotton with the Superintendent of the Year Award for 2001. The following awards were also presented:

- Crane Operator of the Year – Ken Kellogg
- Driver of the Year – Les Tish
- Fabricator of the Year – Rick Hallum
- Mechanic of the Year – Tim Rickman

OUT WEST WITH THE MODULAR LIFT TOWERS



Barnhart's Modular Lift Towers in the gantry stator frame configuration traveled out west to a power plant in Wyoming to lift and set a turbine and generator. The first lift, shown here, involved lifting a 200 ton generator off platform trailer, rotating the load 90 degrees, lifting the generator above the pedestal, traveling along the gantry track and finally setting the generator on the anchor bolts. The Modular Lift Tower system is an efficient and cost effective equipment setting option even in locations many miles from Memphis.



Modular Lift Towers Hand Off Turbine

In Panama City, Florida the Modular Lift Towers hand off a 260,000 lb. high pressure turbine to the Gantry System for final placement.





Stripper Vessel Removed Through Side of Structure

Last fall, Barnhart was awarded a contract to change out three vessels ranging from 275,000 lbs. to 520,000 lbs. at a Georgia nitrogen plant during an outage. The stripper vessel (38' long, 9'diameter and 317,500 lbs.) proved to be the challenging lift. Due to overhead obstructions, the stripper vessel had to be removed through the side of the structure. First, Barnhart lifted the stripper off its supports utilizing a hydraulic jack and slide system. The main support beams were then removed and replaced with temporary beams. Next, the stripper vessel was rigged laterally out of the structure using a triangular spreader bar (tri-bar) that allowed sideways movement. Finally, the stripper was handed off from the jacking system to the TC3000 (800 ton class crane) outside the structure. The crane self tailed the vessel, thus eliminating the need for a tail crane. The same plan in reverse was safely executed to install the new stripper vessel.

HEAVY STORAGE FACILITY

The move to their new corporate headquarters in Memphis, TN has afforded Barnhart Crane & Rigging the opportunity to expand its services in the area of heavy storage. The acquisition of the new facility near the Memphis International Airport increases the total area available for storage to over 100 acres. Barnhart offers outdoor, indoor and covered storage.

These new facilities coupled with the Heavy Lift Terminal on the Mississippi River in Memphis, Tennessee have allowed Barnhart to secure storage contracts in the electric power, medical, manufacturing and HVAC industries.



TELESCOPIC BOOM CRANES

	MODEL NO.	BOOM
500 Ton Liebherr All-Terrain (2)	LTM 1400	440'
440 Ton Demag Truck Crane (2)	HC 1010	348'
300 Ton Demag All-Terrain	AC 665	389'
225 Ton Liebherr All-Terrain	LTM 1160	364'
210 Ton Krupp All-Terrain	GMK 5210	322'
180 Ton Demag All-Terrain (3)	AC 435	262'
165 Ton Demag All-Terrain (3)	AC 335	302'
150 Ton Demag All-Terrain (2)	AC 395	253'
150 Ton Krupp All-Terrain (2)	KMK 5100	227'
120 Ton Demag All-Terrain	AC 265	204'
110 Ton Liebherr (3)	LTM 1090	243'
110 Ton Krupp All-Terrain	KMK 5110	214'
100 Ton Demag All-Terrain (4)	AC 205	219'
80 Ton Krupp All-Terrain (4)	KMK 4070	175'
80 Ton Grove RT (2)	RT 990	206'
70 - 60 Ton Truck Crane (5)		186'
50 - 30 Ton Grove Truck Crane (14)		142'
22 Ton Grove All-Terrain/Truck (4)		113'
27 - 12 Ton Boom Truck (6)		149'
17.5 - 8 Ton Carry Deck (7)		37'

CRAWLER/RINGER CRANES

	MODEL NO.	BOOM
1800 Ton Demag with Ringlift	CC 4000	595'
880 Ton Demag Crawler with Superlift	CC 4000	550'
440 Ton Demag Crawler with Superlift	CC 2000	435'
386 Ton Demag Crawler with Superlift	CC 1200	433'
360 Ton Link-Belt Heavy Lift	LS 718 HL	480'
330 Ton Demag Crawler	CC 2000	433'
275 Ton Demag Crawler	CC 1200	433'
250 Ton Link-Belt Crawler Tower Crane (2)	LS 718	550'
250 Ton Link-Belt Crawler Crane (2)	LS 718	450'

LATTICE BOOM TRUCK CRANES

	MODEL NO.	BOOM
800 Ton Demag Truck Crane with Superlift	TC 3000SL	496'
550 Ton Demag Truck Crane	TC 3000	496'
440 Ton Demag Truck Crane with Superlift	TC 1200 SL	472'
308 Ton Demag Truck Crane	TC 1200	472'
200 Ton Link-Belt Truck Crane	HC 258	370'
125 Ton Link-Belt Truck Crane (2)	HC 238	300'

HEAVY LIFTING, MOVING & SLIDING

500 Ton Hydraulic Gantries (20)
 1000 Ton Sliding Systems (8)
 Forklifts to 120,000 lbs. with hydraulic booms
 1800 Ton Strand Lift
 Lift Towers to 1200 Tons
 2400 Ton Jacking System
 Air Casters to 500 Tons

MARINE SERVICES

Memphis, TN - Heavy Lift Terminal with 1250 Ton Derrick Crane, Rail Service, Heavy Storage
 Mobile, AL - Heavy Cargo discharge and storage, RO-RO, Barge/Rail Loading Heavy Lift Services
 Decatur, AL - Barge Dock, Cranes to 500 Tons, RO-RO
 Pascagoula, MS - Heavy Cargo discharge and storage, Barge/Rail Loading, Heavy Lift Services

TRANSPORTATION SERVICES

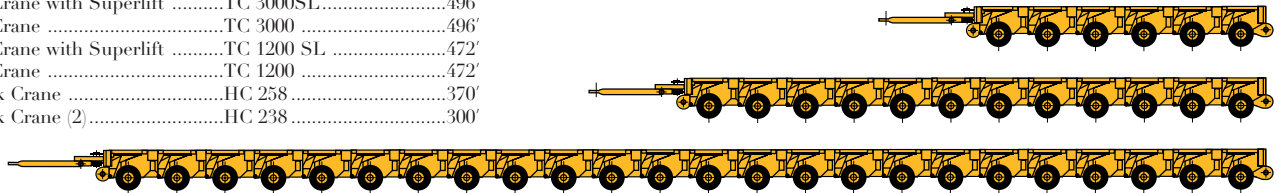
Over 2000 Tons of Hydraulic Platform Trailer Capacity including SPMT
 Barge and Rail Loading and Securement
 Dolly Transporters to 1000 Tons
 48 State Heavy Haul, Stretch Trailers, Tank Trailer to 16' diameter
 Temporary Bridges to 152'
 Jumper Ramps 30'-152'

INTERNATIONAL SERVICES

The following can be shipped in standard containers:
 Lift Towers, Dolly Transporters, Gantries, Goldhofer Trailers, Sliding Systems,
 Barge Ramps, Temporary Bridges, Strand -Lift Systems

STORAGE CAPABILITIES

500,000 Square Feet of Indoor Warehousing
 Over 100 Acres of Outdoor Storage



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 731 Finley Island Road • Decatur, AL 35601 • 256-355-5531 • 800-830-4260 • fax 256-355-2091
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