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# THE LIFTING LETTER

2 0 0 4 S E C O N D E D I T I O N

A P U B L I C A T I O N O F B A R N H A R T C R A N E & R I G G I N G C O M P A N Y



**BARNHART'S 20 DOLLY RIG IS THE PERFECT FIT FOR 260 TON TRANSFORMER**

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# HEAVY TRANSPORT AND HEAVY LIFT OPERATION OPENS IN HOUSTON

In May, Barnhart opened a facility in Houston, Texas that will be operated by David, Dennis, Donnie and Richard Davenport. The operation will focus on heavy rigging and heavy transportation services on the Texas and Louisiana Gulf Coasts. The initial equipment fleet will include platform trailer, prime movers, gantries and slide systems as well as access to all of Barnhart's innovative equipment such as the Modular Lift Tower. Dennis Davenport notes, "The national reputation, scope of equipment and depth of resources that Barnhart has developed for solving problems will enable us to immediately meet the needs of our customers. We see this as a perfect fit."



## RELOCATION OF 350 TON TRANSFORMER



This spring, Barnhart relocated a 700,000 lb. transformer for one of their nuclear customers. The transformer was removed from service during a scheduled outage earlier in the year. It was then loaded onto a specialized 12-axle railcar and railed 200 miles to another nuclear generating station in Illinois. An 800-ton gantry system unloaded the railcar from an active rail line and was assembled, operated and disassembled in approximately 4 hours. An 18 line Goldhofer platform trailer safely transported the transformer 4 miles to the plant.

## BARNHART FORMS STRATEGIC ALLIANCE

As civil construction methods move toward modular construction, the need for heavy lifting and moving expertise has increased. Barnhart has established a business alliance with the Elgood Mayo Company of Lancaster, Pennsylvania. Elgood Mayo has a long history of providing equipment solutions to the heavy civil construction market. With a full line of high capacity hydraulic jacks, cable grip systems and sliding stems, they compliment Barnhart well. Barnhart and Elgood Mayo now offer turn-key services to raise large trusse sections, slide complete bridge sections, lift intact roofs or simply supply jacking systems.



## HIGH, WIDE, HEAVY AND AT THE BEACH

Barnhart was contracted to relocate three intact condominiums on the Alabama Gulf Coast earlier this year. Each condo weighed 500,000 lbs. and measured 50' long, 60' wide and 40' high. After jacking the condos down off of their piers, 2 separate 12 lines of Goldhofer self-propelled platform trailers were employed to make the evening hauls to their new locations. The condos were relocated and jacked down to their new piers safely and on schedule.

# TC-3000 SETS

## PHARMACEUTICAL MODULES

A large contractor awarded Barnhart their second contract to set 192 building modules weighing up to 96,000 lbs. for a midwestern pharmaceutical company. A Demag TC-3000 (800 ton class crane) equipped with luffing jib and its super-lift package was called on to perform the work. Underground piping, fiber optic lines, building interferences and module sequencing required Barnhart's engineered lift planning to make the job a success.



# BARNHART'S 20 DOLLY RIG IS THE PERFECT FIT FOR 260 TON TRANSFORMER

With hundreds of picture taking spectators along the 20 mile haul route looking on, Barnhart Crane & Rigging Company transported a 260 ton transformer from a rail siding in Oklahoma to a substation in Arkansas utilizing its specialized 20 Dolly Rig. Other competitors had their hauling rigs denied by the Oklahoma DOT, while Barnhart's transportation plan was approved. After the



transformer was unloaded off the railcar, the crew assembled the dolly system around the transformer. The dolly rig safely negotiated multiple difficult turns, elevation changes, a railroad crossing, a low weight railroad bridge and several highway bridges. Once again, Barnhart's engineers and talented field crews make a complicated project look easy on the day of the haul.



In April of 2004, Barnhart's Memphis Branch achieved 1000 days without an OSHA lost time recordable. This important milestone resulted from the Memphis team emphasizing, measuring, monitoring and practicing safety constantly. As of August 23rd of this year, the branch has worked in excess of 900,000 man hours and 1131 days without a lost time recordable. Most importantly, Barnhart employees are returning safely to their families every day.

**BARNHART'S MEMPHIS BRANCH REACHES SAFETY MILESTONE**

# YANKEE DRYER RELOCATION



Earlier this year, Barnhart was called on by a local paper mill to relocate their spare Yankee Dryer. A pair of 210 ton hydraulic cranes handled the loading and unloading of the 91 ton dryer, while 6 lines of Goldhofer platform trailer made quick work of the short haul. Barnhart's crew safely completed the work in one day.

## 500 TON CRANE HANDLES PRECAST VAULTS

Barnhart's LTM1400, 500 ton crane, set multiple underground utility vaults for a local contractor at a Memphis substation. The large precast vaults weighed up to 105,900 lbs. and were the largest vaults that the fabricator, Oldcastle, had ever constructed.



**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 (2)	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'
600 Ton Demag Crawler with Superlift	CC 2600	295'
500 Ton Demag Crawler	CC 2600	295'
440 Ton Demag Crawler with Superlift	CC 2000	435'
360 Ton Link-Belt Heavy Lift	LS 718 HL	480'
330 Ton Demag Crawler	CC 2000	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)	Lift Towers to 1200 Tons
1000 Ton Sliding Systems (8)	2400 Ton Jacking System
Forklifts to 120,000 lbs. with hydraulic booms	Air Casters to 500 Tons
1800 Ton Strand Lift	

**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



1701 Dunn Ave • Memphis, TN 38106 • 901-775-3000 • 800-727-0149 • fax 901-775-2992  
 731 Finley Island Road • Decatur, AL 35601 • 256-355-5531 • 800-830-4260 • fax 256-355-2091  
 8216 Arch Street Pike • Little Rock, AR 72206 • 501-570-0700 • 800-543-2318 • fax 501-570-0304  
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 100 Crane Lane • Oak Ridge, TN 37830 • 865-966-9786 • fax 865-966-9705  
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 190 Smith Street • West Monroe, LA 71292 • 318-322-LIFT (5438) • fax 318-388-3808  
 6875 Woolworth Road • Shreveport, LA 71129 • 318-687-4416 • fax 318-687-4421  
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