

# JDN Newsletter November 2005

**J . D . N e u h a u s , L . P .**



**J. D. NEUHAUS**  
powered by air!

**INSIDE THIS ISSUE:**

Air Crane America	1
Password Protected	1
Employee News	1
JDN Works	2
Big Bag Handling Hoists	2
Self-Greasing Rotors	2
On the Horizon	2

## AIR CRANE AMERICA

J.D. Neuhaus has offered complete pneumatic crane systems in Europe for over a decade and now the first overhead crane kits are available to the North American market! **Tool-Smith**, a Birmingham, Alabama based company, recently completed the installation of two J.D. Neuhaus overhead crane systems at **Molded Fiberglass Group**. They are located at their new manufacturing facility in Opp, Alabama. Pneumatic cranes were selected over electric versions in this application for two reasons. First J.D. Neuhaus pneumatic cranes are explosion proof in standard configuration to safe guard against resin fumes in the atmosphere. Second the hoist and crane drives had to be impervious to fiberglass dust, debris contamination, temperature and humidity. Of course all J.D. Neuhaus equipment is rated 100% duty cycle for continuous operation. Both pneumatic cranes are rated at 2 metric tons with 50 foot spans and feature JDN's patented pneumatic vane motor and disc brake on both the hoist and crane drives. Unlike many competitors, J.D. Neuhaus crane systems are equipped with a two-speed pneumatic drive mounted on each end-truck for best performance and ease of installation

when compared to more traditional center mounted chain or shaft drives. Control response is a main factor with all pneumatic lifting equipment especially with long travel distances. For this application JDN supplied an energy chain festoon system complete with an integrated main air emergency stop which offers a significant reduction in the control line length versus tradition trolley / loop festooning. With MFG's facility operational, both cranes offer complete coverage of the resin application area where they handle large fiberglass housings for General Electric wind turbines. J.D. Neuhaus standard crane kits are available with capacities ranging from 1 to 10 metric tons and a maximum span of 58 feet. High capacity custom engineered systems are also available.

Please contact your J.D. Neuhaus Sales Representative for more info.



**Photo of a J.D. Neuhaus Air Crane**

## EMPLOYEE NEWS

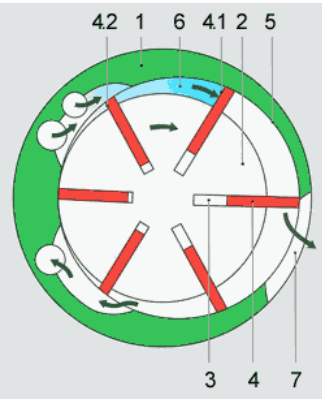
- Carol White from the Accounting Department gave birth to a beautiful baby boy on October 10th.
- John McGarry from the Sales Department was blessed with a beautiful baby boy on October 19th.
- Jason Kahler from the Sales Department celebrates a birthday on November 7th.

## PASSWORD PROTECTED AREA

Recently, we have had several inquiries to our sales department from distributors interested in the creation of a specialized area on the internet for easier access to JDN materials. We are proud to announce that JDN has launched a new password protected area on our website. The area is currently ready to be used to help industries expedite their orders to JDN. Log on to [www.jdneuhaus.com](http://www.jdneuhaus.com) and click on the page for service. Just register your e-mail address and select a private password. If you have problems with registration, give us a call at 800-331-2889 or send us an email to [j.kahler@jdneuhaus.com](mailto:j.kahler@jdneuhaus.com). This area is meant for distributors who have already signed on for next year as an A level distributor. Drop us an e-mail if you are not sure of your company's status for 2006. Whether you are a Mini dealer or full fledged Service Center, the information will be there for you 24 hours a day. Now, you can access price sheets from anywhere at anytime with just a click of the mouse. Comprehensive listings are available for all of our products, from a simple o-ring to a spark resistant 50 ton air hoist system. Also, you can access a list of phone extensions, so know how to call your favorite JDN family member. Please drop us a line if there are other features you would like in the area, at JDN we lift customer

Vane motors consist of a cylinder sleeve (1) with two lateral side plates and a rotor (2). The rotor is eccentrically positioned in the cylinder and has slots (3) for receiving the vanes (4). The vanes run freely and are pressed against the inner surface (5) of the cylinder

sleeve. Every two neighboring vanes form a chamber (6). When the chamber is filled with compressed air the pressure at the 1st vane is stronger due to the greater surface area of the following vane (4.1) compared to the smaller surface area of the following vane (4.2). The resulting torque causes the rotor to turn. The compressed air escapes the chamber when passing the exhaust port (7).



J.D. Neuhaus, specialists in the construction of pneumatically operated material handling equipment, have improved the performance and longevity of its hoists by fitting rotors which incorporate a novel integrated lubricating system. JDN air hoists and monorails are typically used in areas where there is limited headroom available, where arduous operating conditions exist or where there are risks of potential explosive atmospheres. This includes mining, offshore and chemical industries together with cement plants and general industries wherever dirty, dusty, damp or otherwise hazardous conditions exist. The products affected include all the hoists in their Profi TI range, together with their EH monorail series, with lift capacities in excess of 25 tons, as well as their winch line. At the higher loadings, it is imperative to provide timely and adequate lubrication to accommodate the elevated stresses generated during lifting and lowering and to prevent excessive motor wear. High performance grease is inserted into cylindrical chambers, situated between the slots for the vanes on the main rotor body, and covered on both sides with porous covers. The grease is delivered from the chambers only during rotation, which causes small portions of lubricant to permeate into the motor chamber. When the supply of grease is finished, refills can be easily installed. This is an excellent safety feature providing back-up to in-situ lubricants and protection for the vanes and motor rotor for up to 100 hours of operation. Some of the general features that are standard features in JDN materials handling equipment include:

- \* Robust and solid construction
- \* Ease of handling.
- \* Frequent switching

### ON THE HORIZON

Coming up in next months JDN Newsletter we will be focusing on the new Profi air winch line. We will show you how J.D. Neuhaus is lifting the standards, and pulling some new weight around in the winch industry. Our line of Pullers and Lifters uses the same proven technology that our hoists are designed with. Also featured next month will be an article from Off Shore Technology concerning some of the exciting new advancements that JDN has accomplished concerning several extremely large operations. Here at JDN, we have the resolve to accomplish the largest task, and the reliability for

### BRAND NEW BIG BAG HANDLING SYSTEM

The new Big Bag Handling Air Hoist system may be used in the **one lifting hook** design to incorporate a greater distance between the hook and the chain box. This guarantees that there is no danger of collision between the load and the chain box. The BBHS is also available with **two load hooks** for more complex multi-point cross beams or simple rod cross beams with two means of suspension. Standard headroom of a mere 14 inches in both one or two load hooks, and one or two ton capacities. The BBHS features lifting speeds of up to 29.5 ft/min. It features extreme low construction height a compact, modern design, adjustable to various I-profiles. The hook distance can be adjusted at a later time for changing applications. JDN products are very economical and reliable due to the use of proven JDN serial components, better parts means a better product. Chain box included as standard equipment and no additional motor



lubrication is required. It is designed for standard use in areas at risk of explosion. Use the BBHS to upgrade your current Super Sack System.

WE WELCOME ANY SUBMISSIONS TO THE NEWSLETTER REGARDING YOUR CURRENT EXPERIENCES WITH JDN PRODUCTS IN THE WORK PLACE. QUESTIONS REGARDING THE NEWSLETTER MAY BE FORWARDED TO JASON KAHLER AT [J.KAHLER@JDNEUHAUS.COM](mailto:J.KAHLER@JDNEUHAUS.COM)



**J. D. NEUHAUS**  
powered by air!