

JRB Cotton Forks & Grapples

AGRICULTURAL ATTACHMENTS FOR WHEEL LOADERS





The Paladin Difference

Paladin, a Dover Corporation Company, is the largest independent manufacturer of attachments and tools used in the heavy and light mobile construction equipment market and agricultural industry as well as in demolition, recycling, forestry and utility applications. Paladin employs approximately 1,500 people in manufacturing locations throughout the United States and is supported by a global sourcing office in Shanghai, China. Paladin, whose tag line is “Powerful Construction Attachments”, believes that when you go to work with Paladin brand attachments, you’ll get the three things you want most from an attachment company:
Total Service. Total Quality. Total Satisfaction.



PALADIN.

POWERFUL CONSTRUCTION ATTACHMENTS

JRB Attachments, headquartered in Akron, Ohio, is a leading designer, manufacturer and marketer of high quality quick couplers and attachments for the construction and agricultural equipment industries. JRB products are utilized with hydraulic excavators, wheel loaders and tractor loader backhoes.

JRB, C&P and Badger brand couplers and attachments are designed and manufactured to increase the versatility and productivity of the base machine without compromising its performance. JRB is one of the only coupler manufacturers that has obtained engineering approval from major original equipment manufacturers.

JRB’s dedicated employees form the various teams which focus on new product development, engineering, sales, technical support and customer service. Additionally, JRB provides its extensive distributor network with complete support including training, sales and field technical assistance.

At JRB, engineering is at the heart of everything we do. We adhere to OEM standards to ensure maximum versatility, efficiency and safety. JRB engineering focuses on both new product development as well as improvements to existing products. Capabilities include the use of state-of-the-art equipment and software that includes CAD, 3-D Modeling, Finite Element Analysis, PDM, animation and dynamic simulation of products in the design process. All product designs and enhancements are subject to rigid

safety review processes and extensive field-testing before being released for commercial use.

JRB is an organization of people who are dedicated to providing you with the most innovative quick couplers and attachment products in the construction market with unmatched quality and customer service.

JRB’s manufacturing capabilities utilize over 200,000 square feet that contain state-of-the-art computerized plasma burning, CNC machining and robotic welding centers. Furthermore, JRB takes advantage of Paladin’s Global Sourcing Team (GST) to provide critical engineering and logistics assistance for sourcing steel, cast and forged parts in addition to components and assemblies.

With our customers’ safety in mind and OSHA’s mandated awareness and push for jobsite safety, JRB has taken yet another unprecedented step towards differentiating from all other attachment manufacturers. We have been conducting seminars at either customers’ facilities or on the job site covering a broad range of issues related to the safe installation, operation and maintenance of couplers. Our attendee base has been construction firms, union halls, operating engineers’ schools, dealerships, as well as representatives from OSHA. This program has far exceeded our expectations and the response has been overwhelmingly positive.

Cotton Module Handling and Ginning Solutions



JRB is recognized as the leading engineering and manufacturer of wheel loader quick couplers and attachments. When John Deere announced the release of their new cotton pickers that produce a protective wrapped round cotton module, JRB engineers developed a cotton grapple and spreadable fork attachments to facilitate cotton module handling and ginning.

By using a front end wheel loader with quick change attachments instead of stationary modules, both the farmer and gin operator maximize productivity while having much greater equipment flexibility. For the farmer, using a JRB fork attachment on his front end wheel loader means that he can load flatbed trailers rather than having to use expensive specialized module feed trucks. And for the gin operator large or small, JRB fork and grapple attachments provide the greatest flexibility for different feed floors and feed rates. As with the farmer, the gin operator can use his front end wheel loader and various attachments for additional ginning operations.

JRB's cotton module offerings and features, for John Deere 544 or equivalent and larger class front end wheel loader, include:

Spreadable fork attachment with beveled fork sleeves

- Staging of modules into groups of 4 for module truck pickup
- Loading/unloading flatbed trailers
- Ideal for wet field retrieval

Spreadable fork attachment with powered rollers and integrated wrap retention spikes

- Staging of modules into groups of 4 for module truck pickup
- Loading/unloading flatbed trailers
- Positioning module for stationary cutter
- Wrap removal processing on feeder floor
- Places module axis parallel to floor direction

Grapple attachment with integrated wrap cutter and wrap retention spikes

- Pusher action reduces feeder peaks/valleys
- Pusher action also can return moving head feed to start position
- Integrated cutter and spike roller wrap retention to speed processing
- Places module axis perpendicular to floor direction



Like all JRB products, the cotton forks and grapple are designed to improve productivity, cut downtime and maximize the customer's bottom line. With JRB's quick coupler technology, changing from forks or grapple to buckets or other attachments takes just seconds, greatly increasing wheel loader versatility. The cotton grapple and spreadable fork products are just another example of JRB's focus on providing engineered solutions driven by customer needs. Innovations for your Benefit!



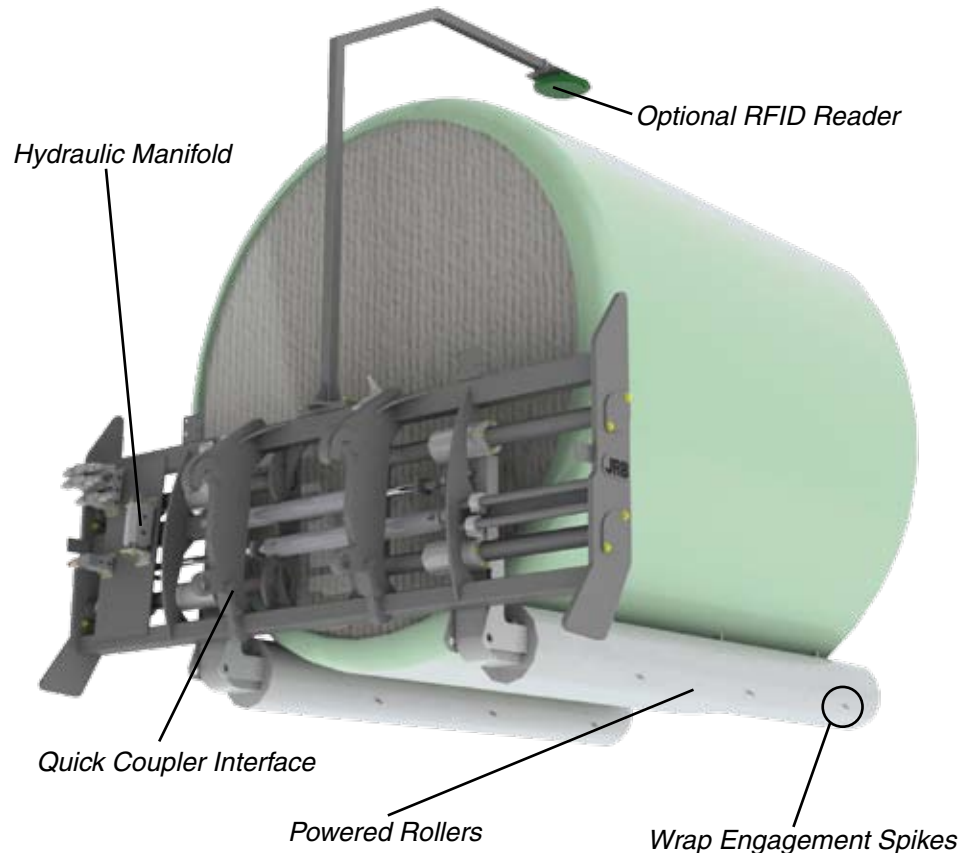


Spreadable Fork Attachment: With Powered Rollers & Integrated Wrap Engagement Spikes



Benefits:

- Excellent visibility & versatility
- Hydraulic spreadable fork can lift largest modules
- Powered 12" rollers rotate in the same or opposite direction for quick RFID orientation
- Forks place module axis parallel to floor
- Loader operator controlled wrap engagement spikes
- Quick coupler compatible for added machine versatility
- Compatible with CHR stationary cutter (contact JRB for information)
- Utilizes RFID technology for proper orientation of module prior to cutting

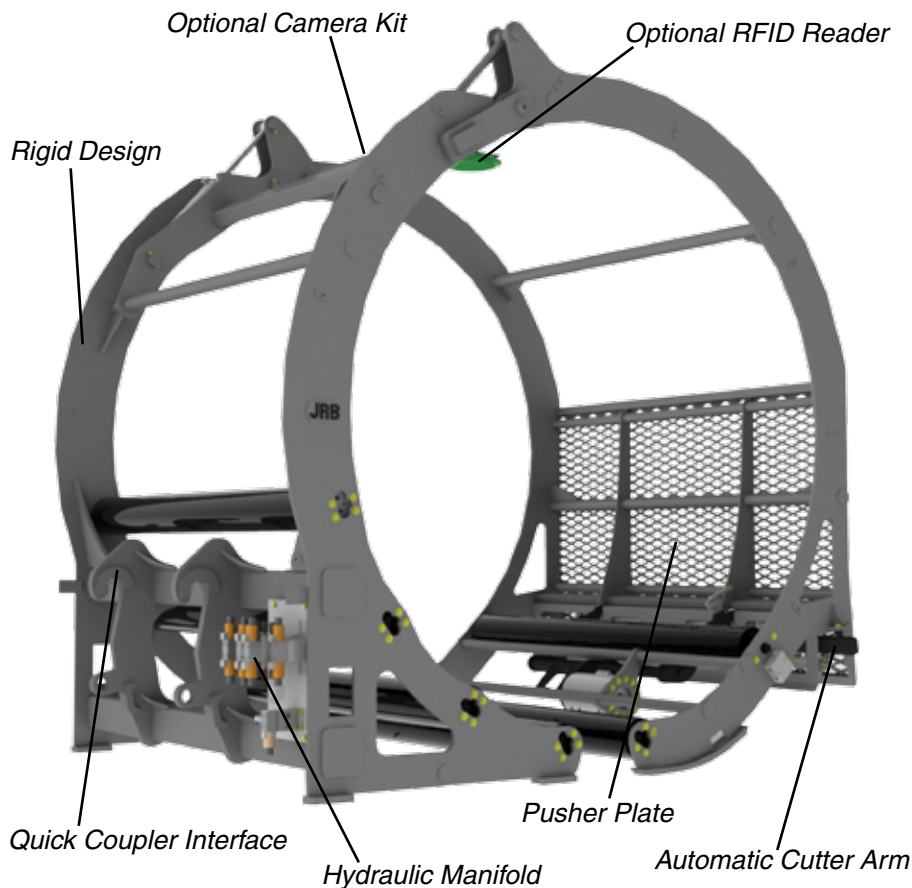


JRB's spreadable fork attachment with power rollers and wrap engagement spikes can be used for flatbed unloading, general gin yard staging and module engagement prior to ginning. Twelve inch diameter rollers can rotate in the same or opposite directions to gently engage

or disengage modules. Power rollers allow for module to be pre-positioned, with inner tail on top, for gin provided floor-mounted cutter. After cutting, the operator can activate the wrap engagement spikes for fast and easy removal of the module wrap.



Grapple Attachment: With Integrated Wrap Cutter and Wrap Engagement Spikes



Benefits:

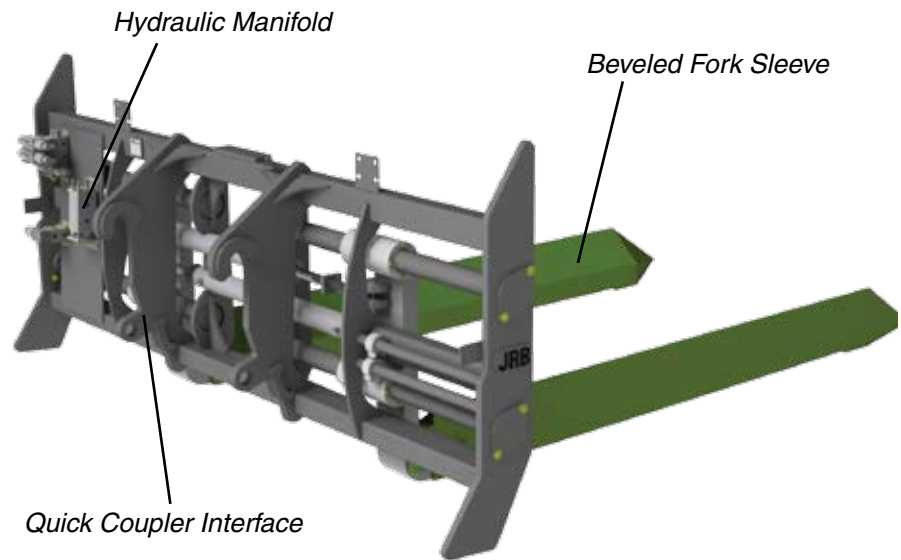
- Places processed module axis perpendicular to floor
- Pusher action reduces feeder peaks/valleys
- Integrated cutter and spike roller wrap provide level of automation
- Quick coupler compatible for added machine versatility
- Optional camera kit provides improved visibility
- Utilizes optional RFID technology for proper orientation of module prior to cutting

JRB's cotton grapple attachment with cutter was designed to work in roller feeder, chain feeder, moving floor feeder and moving head feeder ginning applications. JRB engineers designed the grapple to better facilitate the processing of cotton modules. Power rollers on grapple arm and base, engage module for transportation as well as rotate the

module for wrap cutting. Rollers can move in opposite direction for grappling or either direction to minimize rotation time. Grapple is designed to minimize the gap between modules to provide more even feed-rate at the hood. Grapple also contains an operator controlled wrap cutter and automatic wrap engagement spikes.



Spreadable Fork Attachment: With Beveled Fork Sleeves



Benefits:

- Excellent forward visibility to fork sleeve points
- Tilt capacity for level module placement
- Can retrieve modules from wet and un-level fields
- Fast loading maintains flow of cotton to gin
- Quick coupler compatible for added machine versatility

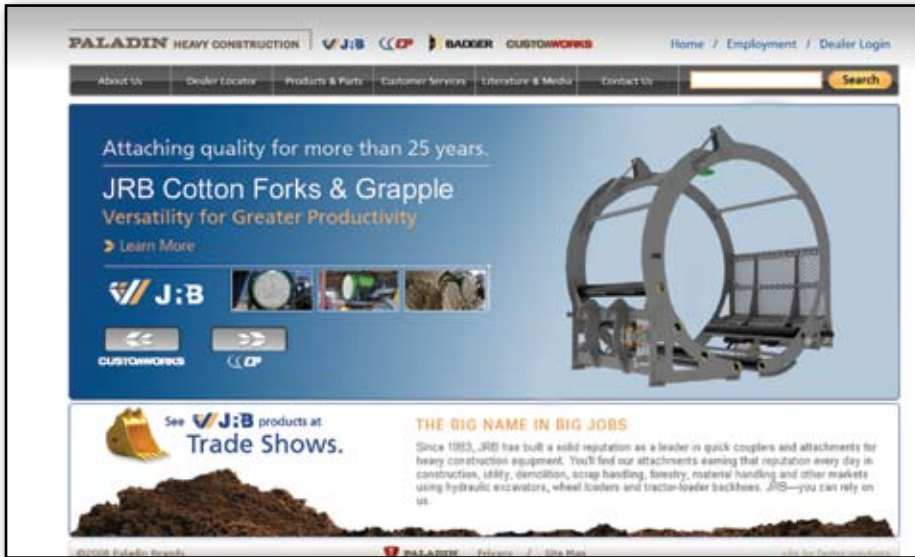
JRB's spreadable fork attachment for cotton module handling was designed to provide excellent visibility and maneuverability for moving and loading or unloading of round cotton modules. The hydraulic actuated spreadable forks, with round or beveled sleeves, provide a good line

of sight to previously staged modules. Additionally, the loader articulation provides easy side shift for module alignment for fast loading on trucks or trailers. Sleeves are easily removable for handling of seed pallets, wrap pallets or other miscellaneous base fork needs.

SAFETY FIRST

JRB has always taken the lead in safety, both through its product design and in the subsequent education of its customers in the safe operation of its products. To ensure that all coupler users understand and appreciate proper safety procedures, JRB offers seminars that cover a broad range of issues related to the safe installation, operation and maintenance of quick couplers. For additional information on JRB's onsite safety seminars, please contact your local JRB Distributor.

Action Directory



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Website

www.jrbattachments.com

Contact

cotton@paladinbrands.com
or call 800-4-BUCKET



Additional product literature is available at:
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PALADIN HEAVY CONSTRUCTION

U.S. and international patents pending.