

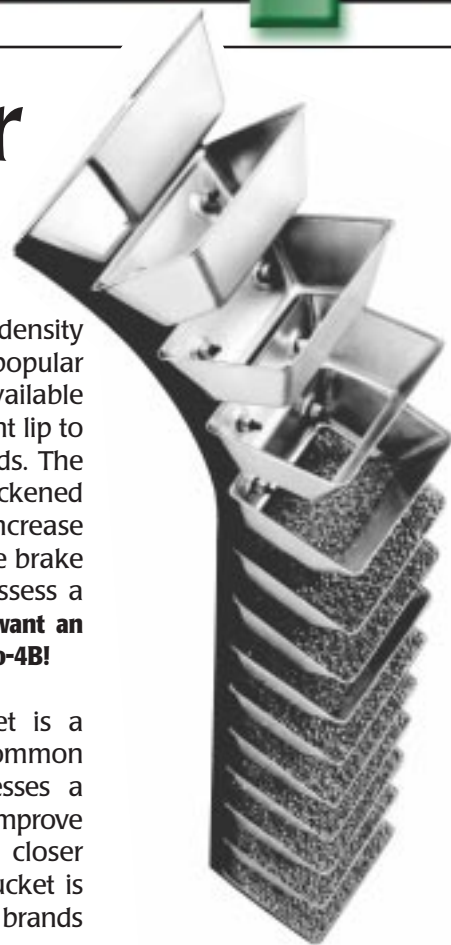


THE SCOOP

VOLUME 2 ISSUE 1 WINTER 2004

Need Buckets for your Legs? Go-4B!

4B manufactures a versatile line of elevator buckets in polymers, such as high-density polyethylene, nylon and urethane, and also in pressed seamless steel. The more popular original "wingless" style Big J HDP bucket is molded from prime material and is available in all the common sizes. This bucket has an "engineered" and correctly angled front lip to give optimum pick-up and clean discharge over a wide range of operating speeds. The front lip portion of the bucket is supported by the "Iceberg Edge™", which is a thickened wall section or beam to help maintain the front lip in its original shape and help increase the wear life of that area. This design also reduces back legging by eliminating the brake lines of the older "CC" style copied buckets. The Big J polymer buckets also possess a "wingless" design to allow for closer spacing and greater capacities. **"Do you want an engineered plastic bucket?" - Go-4B!**



"GB Bottomless" Buckets

News Flash

**ENGINEERING DEPARTMENT
APPOINTS NEW
PROFESSIONAL ENGINEER**

...SEE PAGE 3

The J style steel bucket is a direct replacement for the common "CC" style and also possesses a "wingless" profile design to improve filling efficiency and allow closer spacing on the belt. This bucket is fully interchangeable with all brands of "CC" style steel buckets.

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Please call for in-depth product information, or visit our website at

www.go4b.com

Employee Profile

**Darrin
Phillips**



Darrin Phillips
Warehouse Manager

“Hello, my name is Darrin Phillips. I grew up in Chillicothe IL, where I graduated from IVC High School in 1985. I also attended Illinois Central College. Before joining 4B as a warehouse manager in November 2003, I worked a variety of jobs including sales, purchasing, customer service supervisor and warehouse management. We have a solid group of people in the 4B warehouse, which in turn, makes my job a lot easier.”

You can find me on most weekends between the months of April and October with my girlfriend and her children relaxing at our camper which we keep year round in a campground north of Peoria.”



**4B will be exhibiting at GEAPS
2004 in Minneapolis, MN.
Please stop by and visit us at
Booths #851, 854 & 950 for the very latest
innovations in material handling technology!**

2004 DEDICATED TRADE SHOWS

SHOW	DATE	LOCATION	BOOTH #
ILLINOIS GRAIN & FEED	FEB. 16 - 17	Peoria, IL	110
GEAPS	FEB. 21 - 24	Minneapolis, MN	851, 854, 950
POWDER BULK SOLIDS	MAY 4 - 6	Chicago, IL	2140

...CONTINUED FROM PAGE 1



The Big J seamless steel buckets are pressed from prime, cold rolled steel and have no welded fabrications. The corners of the buckets are rounded for rigidity, providing greater strength and longer life. **“Go for Engineering” – Go-4B!**

Another popular bucket used to achieve greater capacities is the Starco Super low profile bucket, offered in both polymer and seamless steel. This bucket was designed with tapered sides to ensure maximum bucket fill at closer spacing, guaranteeing a clean discharge. No other bucket manufacturer can offer a “true” low profile bucket. After a Starco bucket system has been designed by our engineering staff, the Starco Super low profile buckets can increase existing leg capacity up to 100 percent. No other bucket manufacturer can offer on staff engineering support and design for trouble shooting elevator legs. **“Go for Engineering” – Go-4B!**

The “GB Bottomless” bucket (see cover photo) is a bucket style met with some “mystique”. One wonders how a bucket without a bottom can move granular material. The bottomless bucket is offered “only” in seamless steel for strength reasons. (When the bottom of a polymer bucket is removed, all strength is lost, causing complete bucket failure.) The GB system buckets are centered on very close spacing with a series of buckets without bottoms, followed by a bucket with a bottom, usually one out of every seven to ten. The material is lifted in a continued column, eliminating carrying space wasted between conventional style buckets. The bottomless buckets “fan out” as they pass over the head and tail pulleys to facilitate pick-up and discharge. This system is useful for a wide range of products and is deemed “self cleaning”. 4B will design a bottomless system for any material handling elevator leg and back-up test design with an engineering study of the leg, which will provide full technical specifications.

So you see, when you require an elevator bucket, call on 4B for its versatile bucket range and elevator knowledge! **“Go for Engineering” – Go-4B!**

COMPANY SPOTLIGHT



R.J. Tricon Co., LLC

Materials Handling Specialist Since 1921

ph. 800-456-7671

Founded in 1921, R.J. Tricon, located in New Orleans, LA, is an independent supply company that specializes in mechanical power transmission and material handling equipment. From humble beginnings, the company has grown to serve a market area from Florida to Texas and exports to Mexico and the Caribbean. With a staff of in-house engineers and draftsmen, R.J. Tricon can design a wide variety of conveying and power transmission equipment from belt conveyors handling French bread to large systems handling thousands of tons of salt or wood chips.

One recent project, and the company's largest at 5.5 million dollars; included transporting cement from barges to sixteen different storage silos. The cement is discharged from each silo using aerated conveyors, then transferred to a common belt conveyor and bucket elevator; screened and distributed to one of six shipping bins where it is loaded into trucks over one of two new 80' scales. The entire plant is automated and controlled by a plc. Several critical functions depend on feedback from 4B's Auto-Set RF level indicators, 76 in all. R.J. Tricon received valuable engineering



assistance from 4B's engineering staff in the selection and installation of these devices. The sensors alert the operator when a silo or bin is empty and will shut down the system when a silo is full. The Auto-Set level sensors are also used to control the discharge rate of the silos and level on the belt conveyor. The plant operation also depends on 4B's speed switches to monitor belt conveyors and bucket elevators.

With just over a year in operation, the system has successfully handled over a half million tons of cement. These sensors have continued to be reliable under the most adverse conditions. R.J. Tricon and 4B have been working closely for over 18 years and look forward to years of more successful projects with the help of 4B's products and services.

SPARKY'S SHOCKERS



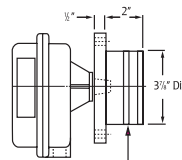
Keith Bohner
Electronic
Sales

Question:

I am the maintenance supervisor in a feed mill that produces meal and pelleted feed 24/7. I have surge hoppers where there is very little space for a probe or paddle to be inserted inside. Do you have a point level indicator that will work in tight locations? I've used diaphragms in the past, but they have worn out prematurely and give false alarms too often.

Answer:

We have the Auto-Set Mk7 Flush Probe. It is ideal for use in small bins and other tight locations for monitoring level and plugged conditions. It has a durable Stainless



*Power Shield must project into container.

Flush Probe Assembly

Steel/Polypropylene Probe that extends only 1 inch into the tank. Our Auto-Set MK7 Flush Probe incorporates simple push-button calibration with a Park/Run switch for total protection of stored values. Once calibrated for the application, it never has to be recalibrated. Data is stored in a non-volatile memory. A

4-digit LED display shows set values for uncovered, covered and trip settings, allowing simple set-up and adjustment. It also has a "Power Shield" which automatically compensates for material build-up on the probe. Approved for Class II, Div.1, Groups E, F, & G hazardous locations.

For all your point level applications take a look at the Auto-Set Mk7 RF Capacitance Point Level Monitors. They allow for quick and simple installations, have no moving parts and will provide years of maintenance-free operation. **Auto-Set Mk7 - Just Set It and Forget It!** 📌

Send your questions through our website www.go4b.com or email Johnny at jwheat@go4b.com.

Engineering Staff



Our engineering department is excited to announce the appointment of a new engineer to the East Peoria office. David Wolstencroft joined 4B in January and will be primarily responsible for all aspects of engineering with regard to the material handling business. David has extensive experience in the design and application of bucket elevators and chain conveyors. He has a bachelor's degree in engineering from Leeds University and is a professional chartered engineer. David will be a great asset to the 4B team.

Email: dwolstencroft@go4b.com 📌



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THIS ISSUE OF "THE SCOOP" IS BROUGHT TO YOU BY...

Big J "Jumbo" Buckets



Your
Legs never had it so
Good!



Unequaled Capacities
Engineering Supported
Proven Performance

Super Series "Wingless" Design

In stock. Same day shipping.

