

4B THE SCOOP

VOLUME 2 ISSUE 2 SPRING 2004

"CC-S – It's Here"

"It's Stackable!" – Its Got Greater Capacity!" – It Has Increased Wear Life!"

"Its Got Reduced Storage And Shipping Space!"

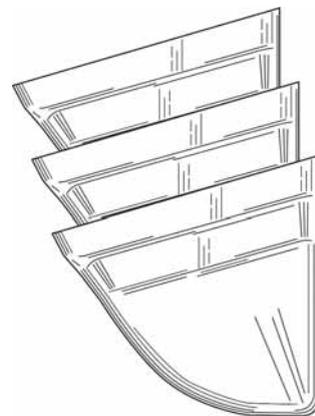
"It's The NEW – "CC-S STACKABLE" Polymer Elevator Bucket!"

Finally, after years of research and development, a new and improved CC style polymer elevator bucket is available! Launched at GEAPS in February, this new Patent Pending CC-S elevator bucket is a direct replacement for other brands of CC style elevator buckets. It is "stackable", as each bucket will nest one inside another for reduced storage and shipping space. Due to this stackability, the shipping density is increased which means that lower freight classifications are available, therefore providing up to 30% reduction in shipping costs over standard CC elevator buckets. The slightly tapered sides of the CC-S design also improve filling and discharge. Other design improvements over the standard CC style buckets include the "Iceberg Edge"[™], for reduced wear rate along the bucket's front lip. This unique design feature allows for more material along the front lip, which makes the bucket stronger and helps to maintain bucket discharge characteristics and therefore maximum elevator capacities for the life of the bucket. Another unique feature is our original "wingless" profile, which allows closer spacing for greater capacities.

Another new important feature is that the CC-S bucket is offered in a "POLY-PACK" style package, rather than outdated, space-consuming cardboard cartons. These nested buckets are packaged inside a heavy-duty shrink sealed poly-pack for ease of shipping and handling, with increased skid count, but less shipping space! Cardboard waste is expensive and an on-site nuisance to dispose of, especially when the cartons have been exposed to moisture.

Offered in 35 different sizes from 3" x 2" to 20" x 8", the bucket is molded from virgin white, additive-free HDP, reinforced nylon or urethane.

CALL 4B FOR YOUR FREE TRIAL SAMPLES TODAY, AND "STACK-UP YOUR SAVINGS!"



**SAVE UP TO 30%
ON SHIPPING
AND STORAGE!**

729 Sabrina Drive
East Peoria, Illinois 61611 USA

Telephone 309-698-5611
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Email 4B@go4B.com

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

www.go4b.com

Employee Profile

**Rick
Fifer**

Vice-President



*"Hey, it's Rick,
your favorite bucket-head!"*

Originating from the Moline side of the Quad Cities, I attended Black Hawk College.

Before joining 4B in 1987, I worked for the former K.I. Willis Corporation for fourteen years in manufacturing and sales of elevator buckets.

*"Not too many of us
"old dinosaurs" are around
to provide you young
whippersnappers
with industry history!"*

At 4B, I work with a fantastic group of sales and customer service oriented support staff second to none!

Married to my wife Sharon for thirty-one years, we enjoy traveling and "riding the waves" (or pounding our back-side!) on our Sea-Do wave runner.

You can also find me perusing area Classic auto shows, admiring the shiny pieces of art from bygone decades. -4-



CC-S LAUNCH AT GEAPS 2004



GEAPS 2004 Minneapolis was the venue for the launch of one of 4B's latest innovative products, the new CC-S Elevator Bucket. "There was quite a buzz around the show floor when we unveiled the CC-S display," said 4B VP Richard E. Fifer. "It is always great to introduce new innovative products at a trade show like this," he added.



**See you all again in
Albuquerque, New Mexico
for the 2005 Exchange!**



20th Annual FEW Announcement



4B Components, Ltd. will be exhibiting at the 20th Annual International Fuel Ethanol Workshop & Trade Show, being held June 22 - 25, 2004 at the Monona Terrace Convention Center in Madison, Wisconsin.



The International Fuel Ethanol Workshop & Trade Show (FEW) is designed to provide the ethanol industry with the latest information on technology and services for improving production, product yields and operations of an ethanol facility using grain, sugarcane, cellulosic materials and other biomass feedstocks. For information log on to: www.bb ethanol.com/few

4B will be one of the 150 + companies exhibiting in the 2004 Trade Show. They will be displaying the latest technology, equipment and services for the ethanol industry.

CHECK OUT BOOTH # 1004 AND SEE 4B'S LATEST INNOVATIVE PRODUCTS.

Happy Birthday, 4B USA!



"Thanks" to all 4B's customers, suppliers and friends for their continued support and help through the years. -4-

COMPANY SPOTLIGHT



California Mill Equipment Company

200 B Street • Turlock, CA 95380
(209) 669-2695 • Fax (209) 669-2692

*Serving the Milling, Industrial Processing, and
Food Manufacturing and Processing Industries
Since 1952.*

California Mill Equipment Company was established in 1952 and has been supplying quality parts and equipment from the most respected manufacturers and suppliers in their fields.

Our company serves many industries such as agricultural, food processing, seed processing and dairy and poultry feed manufacturing. We also serve many industrial applications to include energy producers, glass recycling, fertilizer and chemical manufacturers. We currently provide equipment and services throughout the states of California, Arizona, and parts of Oregon.

California Mill Equipment Company has a long standing reputation for excellence on the West Coast. We are recognized for our quality product lines, outstanding service and "forward thinking" business practices.

We are proud to be associated with the 4B Components Limited Company. They provide the quality products and service, which are an integral part of keeping California Mill Equipment Company, a leader in our industry.

CALIFORNIA MILL EQUIPMENT COMPANY PRODUCTS:

ASPIRATORS & AIRLIFTS
BAG CLOSERS OF ALL TYPES
BAGGING SCALES
BIN DISCHARGERS
BIN LEVEL INDICATORS
BUCKET ELEVATORS
BUCKETS

CLEANERS – GRAIN & SEED
CONVEYORS – BELT & DRAG
CYLINDER SEPARATORS
GRINDERS
MAGNETS
MIXERS
MOISTURE METERS

PELLET MILL DIES & ROLL SHELLS
PELLET MILLS
SCALES
SCREENERS
SCREW CONVEYORS
VIBRATORS

HOW DOES A CHAIN CONVEYOR WORK?

Some people may look at this question and think, why is this question being asked? However, with chain conveyors there is more to them than meets the eye.

There are two main types of chain conveyors being used; the drag type conveyor or the en-masse principle of conveyor. Which do we use?

The drag conveyor basically means what it says, it drags a column of material along with the material being conveyed and restricted to the flight height only. These conveyors are usually restricted to industrial conveyors.

En-masse conveying is somewhat less obvious to the observer. This method works by the flight moving through the material, the flights then generate friction between the

particles of material being pulled along and also a large volume of material above the flight height. This method has huge benefits, as the motor and materials being used for the conveyor will be significantly reduced.

Contact me at 4B for our quick FREE ENGINEERING service to design a new or upgrade an existing chain conveyor, using 4B drop forged chain for the toughest applications.  Email your questions to me at dwolstencroft@go4b.com.

SPARKY'S SHOCKERS



Keith Bohnker
Electronic Sales

QUESTION:

I am using rub-blocks to monitor belt misalignment in my enclosed belt conveyors. However, I have found that they wear out. It looks like the belt moves over periodically, and over time a groove is worn in the brass block. Do you have a more reliable product?

ANSWER:

For many years belt alignment monitoring on bucket elevators and belt conveyors was achieved by using a "Brass Rub-Block" device. A sensor mounted inside the brass was designed to detect the heat build up from friction caused by the misaligned belt. Unfortunately this device is flawed. Firstly, it is inherently dangerous because it requires heat build-up before it can detect the belt misalignment. Secondly, the soft brass wears rapidly, which quickly renders the device inoperable and causes a maintenance headache. And thirdly, there is no easy way to test the sensor or system.



U.S. Patent #6,731,219

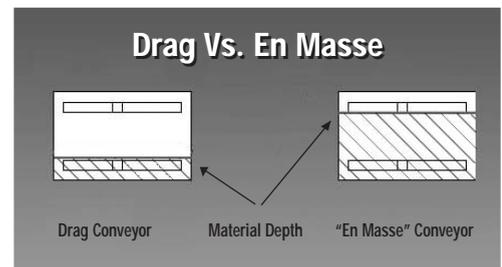
The new TouchSwitch from 4B Components does not suffer these problems and is a huge improvement over rub-blocks. The TouchSwitch sensor works by detecting the force of the belt contacting it and does not require heat build up to activate.

Also, The TouchSwitch face is made from hardened stainless steel and therefore has minimal wear. The TouchSwitch also has an external test knob for quick and simple sensor test and system verification. 

Send your questions through our website www.go4b.com or email Keith at kbohnker@go4b.com.



Dave
Wolstencroft, P.E.
Technical Manager





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**STACK UP
THE SAVINGS!**



- THE WORLD'S FIRST STACKABLE CC-STYLE POLYMER ELEVATOR BUCKET
- SAVE UP TO 30% IN FREIGHT AND STORAGE
- MAXIMUM STRENGTH 4 LONGER LIFE



Pat. Pend.



4B COMPONENTS LIMITED

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