

BULKTEC®



BulkTec®: Dry bulk storage made simple

Expansive engineering capability and unmatched design experience make BulkTec® tank systems the best option to contain dry bulk materials. Our next generation factory-applied coating system enhances the performance of each BulkTec tank, and our component design flexibility from hopper to skirts to structural support is unmatched by any company in the industry.

BulkTec tank systems from CST Storage, formerly Columbian TecTank™, offer experienced, fast and economical construction with a proven track record of storage success. With over 250,000 tanks in 125 countries performing in thousands of applications, no other company can match CST Storage's bulk tank design, manufacturing and construction experience.

BulkTec tank systems successfully store all types of dry bulk materials including:

- ▼ Food & Grain Products
- ▼ Minerals and Aggregates
- ▼ Chemicals
- ▼ Plastics and Petrochemicals
- ▼ Fly Ash and Coal
- ▼ Coal
- ▼ Cement
- ▼ Activated Carbon

CST STORAGE

A Division of CST Industries, Inc.

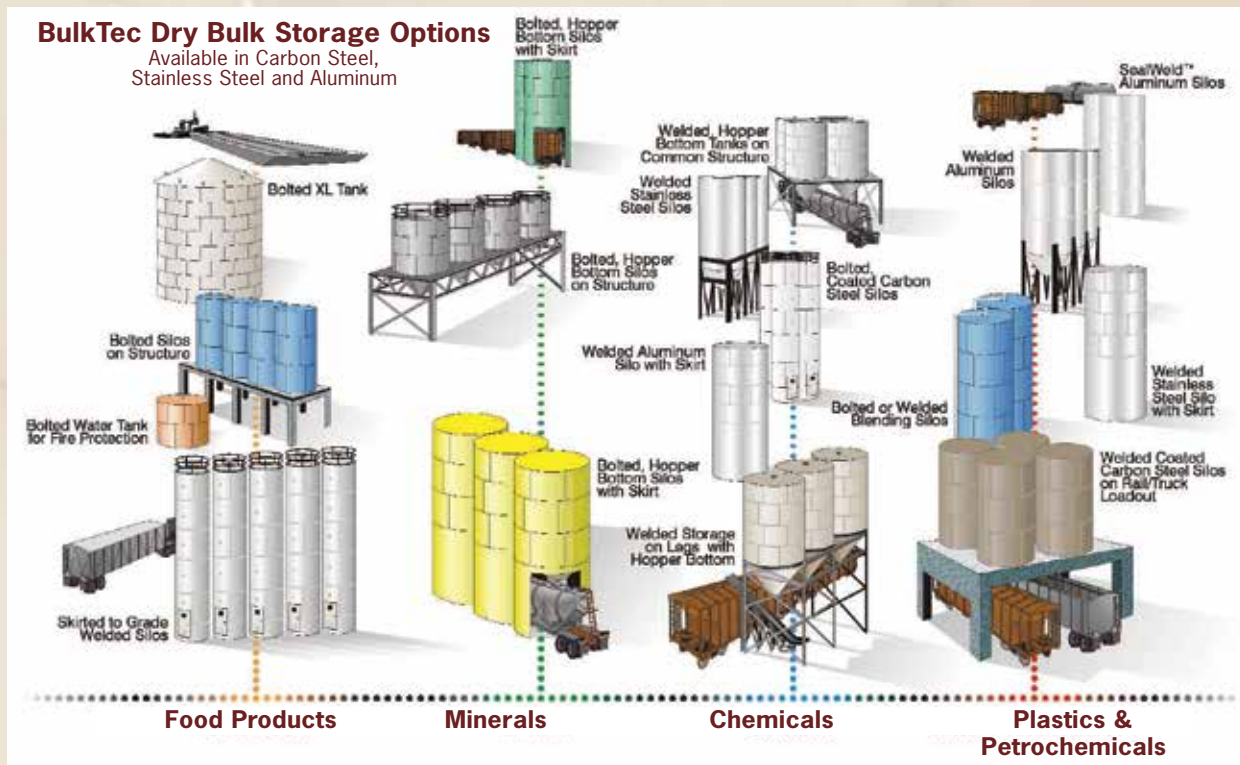
Every BulkTec tank manufactured to order

BulkTec tanks and silos are available in several bolted joint designs for in-field construction or shop-welded configurations. BulkTec tanks and components are designed for your specific application. Each is engineered and fabricated to satisfy your specifications. Along with the right tank for your needs, additional custom components may include:

- ▼ Hoppers and skirts
- ▼ Nozzles
- ▼ Leg support
- ▼ Passive flow control devices
- ▼ Internal blending
- ▼ Stairways
- ▼ Peripheral conveyor supports
- ▼ Interior maintenance platforms

CST Storage (CST) maintains its own professional engineers and designers in-house. These highly experienced advisors have designed tanks for a wide range of industry specific standards and applications. They are committed to recommending the right BulkTec tank solution for your application.

Every BulkTec tank is manufactured in a factory-controlled environment. The result is precise steel panel production teamed with an optimized coating process. CST has invested millions in a completely modernized and automated fabrication line in its ISO 9001:2008 certified bolted tank facility. This state-of-the-art operation delivers the best epoxy coated steel tanks available in the market.



Premium tank technology provides smooth material flow

BulkTec tank systems provide worry-free containment of dry materials with little maintenance over the life of the tank. The smooth-wall interior has no cracks or crevices that could suspend material flow. BulkTec tank systems are designed and built to the exact requirements you need for material flow efficiency and reliability.

- ▼ Mass flow designs
- ▼ Funnel low designs
- ▼ USDA and FDA approved food grade AR-Lon factory-baked interior coating available

Speed, flexibility and longevity in tank construction

BulkTec bolted tank systems are constructed and put into operation faster than any other tank system in the market. Come rain, snow or shine, BulkTec tank systems can be successfully built in any sort of weather, unlike its field-welded counterparts.

- ▼ ISO Quality system certified by third party registrar
- ▼ Construction of bolted tanks completed up to three-times faster than field-welded designs
- ▼ Custom components factory installed in shop-welded silos; delivered complete to construction site
- ▼ Versatility for in-field modification and expansion



Superior coating technology with proven performance

The CST OptiBond™ Coating System*

CST Storage utilizes proprietary premium coating technology that provides maximum abrasion resistance and encourages smooth material flow. Our experience has led to continuous technology and process improvements that has resulted in the finest epoxy coating available in the dry bulk tank industry. The OptiBond™ coating process is a next generation coating derived from years of in-field experience and performance data.

CLEANING

Stage 1:

- ▼ Parts are degreased and rinsed
- ▼ Precisely controlled hot air drying and pre-heating at optimum temperature for a precision coating process

Stage 2:

- ▼ Parts surfaces are blasted with engineered grit material
- ▼ Rugged 3-D surface topography is created for better powder coating acceptance, increasing durability and long-term coating performance
- ▼ A high velocity air curtain removes residual particulate



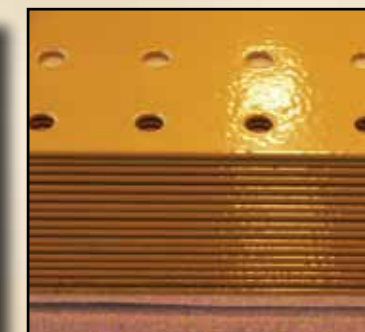
COATING

Stage 3:

- ▼ Parts are powder coated in our proprietary TRICO BOND EP® electrostatic booth with precise environmental controls
- ▼ Parts are cured at controlled temperature to maximize the cross-link bonding of the epoxy particles

Stage 4:

- ▼ Uniquely engineered polyurethane topcoat is applied for UV protection on exterior surfaces for extra durability and longevity
- ▼ Sheets are cured at controlled temperature yielding the final product



QUALITY CONTROL

Parts are subjected to a rigorous quality control evaluation with high voltage defect testing procedure. This will identify any holidays, inclusions and thin areas in the coating. *No other company has a higher process and quality control standard than CST Storage.*

*The CST coating process for factory welded tanks will vary





About CST Storage

CST Storage is the global market leader in pre-engineered and pre-fabricated storage tanks for liquid and dry bulk applications. Committed to delivering worry-free solutions, CST Storage is the original innovator and model for all other steel tank companies. No other company can match CST Storage's world wide experience in design, manufacturing and construction of steel tanks. You can count on CST Storage to be your partner throughout the entire process from specification to quality construction to service.

New process technologies, effective designs and investments in new equipment have raised the CST Storage product offering to a new level. Combine that with experienced and dedicated people, at CST Storage, you get more than just a tank. You get field-proven storage solutions and committed service that is right for your specific needs.

BulkTec Specification Options

HARDWARE AND STANDARD ACCESSORIES	MATERIAL OPTIONS	BOTTOM OPTIONS	ROOF OPTIONS
<ul style="list-style-type: none"> ↳ Hot-dipped galvanized steel per ASTM #A-153 ↳ Galvanized encapsulated bolt heads ↳ OSHA approved safety ladders ↳ Deck filler flanges ↳ Level indicator and nozzle openings ↳ Manways ↳ Pressure-relief devices 	<ul style="list-style-type: none"> ↳ Factory-coated carbon steel ↳ Stainless steel ↳ Aluminum 	<ul style="list-style-type: none"> ↳ Flat ↳ Skirted hopper ↳ Hopper with lugs ↳ Hopper with legs — welded construction ↳ Welded support styles <ul style="list-style-type: none"> • Full and short skirt • Leg and lugs ↳ Bolted support styles <ul style="list-style-type: none"> • Short skirt for placement on structural steel supports 	<ul style="list-style-type: none"> ↳ 1:12 sloped steel ↳ Externally supported steel ↳ 30° slope steel roof ↳ Aluminum dome

BulkTec Capacity Specifications

STANDARD SIZES	STANDARD HEIGHTS
<ul style="list-style-type: none"> ↳ Smoothwall Bolted from 9' (2.7m) diameter to 47' (14m) diameter with hopper bottoms; up to 200' (60 m) without hoppers ↳ Factory Welded 6' (1.8m) diameter to 15' (4.6m) diameter 	<ul style="list-style-type: none"> ↳ Smoothwall Bolted: up to 200' tall ↳ Factory Welded: up to 85' (26m) in one piece, with taller tanks available ↳ Configurations are flexible with specially engineered combinations of heights and diameters available



www.cst-storage.com ▼ sales@cst-storage.com



CST STORAGE
 903 E. 104th Street, Suite 900 ▼ Kansas City, MO 64131
 Phone: 913-621-3700 ▼ Fax: 913-621-2145