DRY BULK STORAGE SOLUTIONS

GET CONNECTED TO UNMATCHED PERFORMANCE WITH **TANK CONNECTION**.







AT TANK CONNECTION, WE ENGINEER EXCELLENCE

Tank Connection is the leading bolted tank manufacturer for factory coated bolted storage tanks and aluminum geodesic dome covers for dry bulk and liquid storage applications. Tank Connection is a vertically integrated company assuring the best products available while maintaining competitive pricing.

WE EXCEED EXPECTATIONS

Tank Connection is committed to helping clients find success with their projects. It is the utmost devotion to the customer that drives an unyielding pursuit of excellence that is the embodiment of Tank Connection.

WE OWN A REPUTATION OF SUCCESS

Tank Connection is an employee owned company, manufacturing American-made products in multiple ISO 9001 certified facilities in the U.S. Tank Connection has built a reputation of success with a passion for safety, innovation and continuous improvement.

WE FACILITATE COMPREHENSIVE SOLUTIONS

Tank Connection focuses on listening to clients and providing them with factual information on different types of storage containment options. This approach to service clients is based on the development of a broad product line of superior storage tank products, designs and field services.

QUALITY & SAFETY DEFINES OUR PERFORMANCE

FIELD

PERFORMANCI

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At Tank Connection, quality and safety are second nature. Tank Connection's field installation utilizes a synchronized jack process, which allows field crews to install tanks at grade level. This process receives the highest industry ratings for quality control and safety in the field.

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Sizes up to 150,000 cubic feet 4247.5 cubic meters WHEN IT COMES TO SAFETY, **WE'VE GOT BOTH** FEET ON THE GROUND.

> THE SAFEST FIELD INSTALLATION PROCESS IN THE INDUSTRY.

> > Tank Connection jacking systems are stored at various locations around the world for expeditious results at the lowest factored cost.

AN ISO 9001

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COMPANY

WE JACK THE LARGEST BOLTED TANKS IN THE WORLD FROM GRADE LEVEL.

THE RECOGNIZED EXPERTS IN STORAGE TANK SOLUTIONS

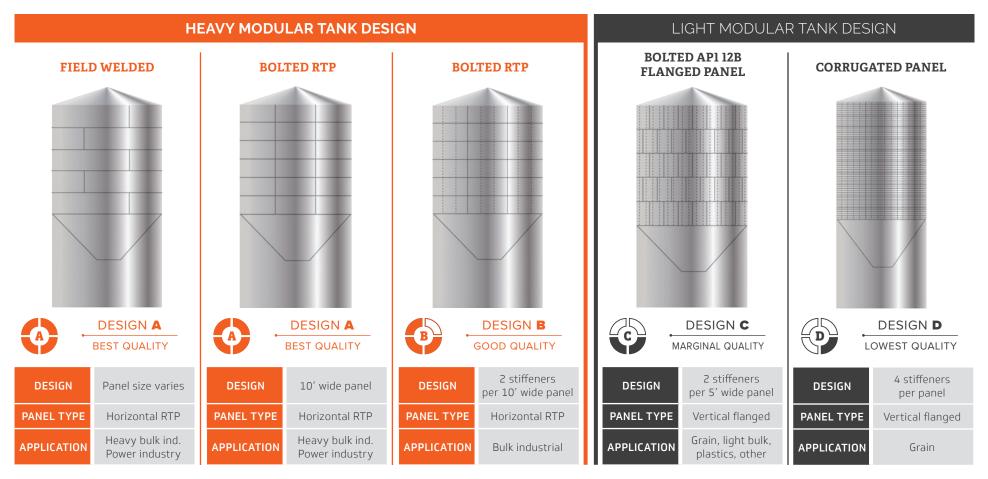
When it comes to precision design and expert knowledge, Tank Connection maintains one of the most extensive engineering departments in the tank industry. With an extensive in-house staff of PE's, project managers, and drafting services, Tank Connection is able to offer bulk storage tank construction tailored for any global location.

Starting with steel procurement at the mill and finishing with construction services in the field, all design, manufacturing, project management, system integration and field installation services are available through Tank Connection's experienced personnel.

Tank Connection offers heavy, robust tank designs that are designed for low maintenance and long term performance. Bolted RTP (rolled, tapered panel) tank construction outperforms all other types of bolted tank construction through its superior design, proprietary coating systems and safe field installation processes. Let Tank Connection's expert industrial designers and shop technicians, with decades of experience in tank production, turn your specifications into a specialized tank built to last.

Common Code Requirements

- IBC (International Building Code)
- UBC (Uniform Building Code)
- Eurocode
- ASCE (American Society of Civil Engineers)



TANK CONNECTION BOLTED RTP DESIGN. PRECISION ENGINEERING PERFECTED.

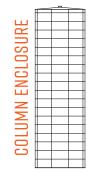
Bolted RTP design is a combination of the best features of bolted and field welded storage tanks. The modular design allows for easy shipping and safe, grade level installation. Robust construction and precision engineering make Tank Connection's bolted RTP well-adapted to all climates, geology and weather conditions. It is easy to see why it is the product of choice for dry bulk applications worldwide.

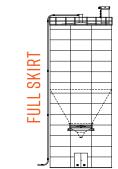


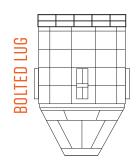
BOLTED RTP PERFORMANCE. THE COMPETITION SIMPLY DOESN'T STACK UP.

BOLTED RTP DESIGN	API 12B DESIGN
Seal: EPDM gasket	Seal: EPDM gasket
Heavy modular design: Up to 1/2″ plate	Light modular design: Up to 1/4″ plate
Precision fabrication quality	Inconsistent flange panel fabrication
Hopper attachment: Shop welded (upper and lower compression attachment)	Hopper attachment: Bent plate (same as corrugated grain tanks)
Interior coating: Dry Fusion 5500 FBE™	Interior coating: Powder coating primer
Exterior coating: Dry Fusion 5500 FBE™ + EXT Fusion SDP™	Exterior coating: Acrylic urethane
	Chime connections = Leaks
Lap joint panel connections = No leak design	Scaffold-built = Elevated crews
Jack-built = Grade level crews	External ledge: Yes (2″ horizontal ledge)
External ledge: None (smoothwall)	
Internal ledge: None (smoothwall)	Internal ledge: Yes = Product contamination
Long life + Low maintenance	Limited life + High maintenance
Superior aesthetics	Poor aesthetics
Rating: Excellent	Rating: Poor

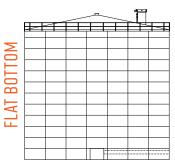












PERFECTLY ADAPTABLE

Superior engineering combined with advanced coating technology make Tank Connection bolted RTP designs ideal for any bulk storage application, in any environment. The modular design of a bolted RTP is a logistically sound approach as it is easily containerized for expeditious shipping and installation anywhere in the world. A long track record of versatility and durability has proven bolted RTP design to be the best storage solution for mainstream and customized applications alike.

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CEMENT TERMINAL Melbourne, Australia

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SPECIALIZED MINERALS Newberry, FL

DDGS Aurora, SD AGGREGATE Jasper, MO

GAME-CHANGING INNOVATION

Tank Connection has been at the forefront of innovation and technology in the storage industry since its inception. Tank Connection continues to evolve it's products and their capabilities to provide the best products in the market. The hybrid tank design is a Tank Connection innovation that developed from our power utility applications. This versatile design combines the best qualities of Bolted RTP, field welded and concrete tank construction.

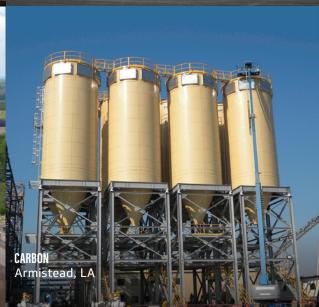


GOBIG! FIELD WELDED DESIGN

Tank Connection provides premier tank designs including API 650, API 620, ASME and AWWA D100 construction. Tank Connection minimizes the large piece count shipped to the field to minimize field construction time frames.



LIMESTONE Quinton, AL



CEMENT TERMINAL Whangarei, New Zealand FLY ASH Muscatine, IA

SOYBEAN MEAL Hanford, CA

THE HOPPER DESIGN EXPERTS

Tank Connection designs, manufactures and installs more large hopper bottom silos than any other tank manufacturer.



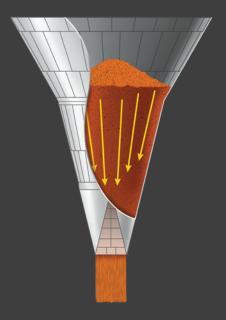
TANK CONNECTION SPECIALIZES IN MATERIAL FLOW DISCHARGE SYSTEMS

Tank Connection is recognized as the design and fabrication experts for functional mass flow storage systems. Flow testing depicts that functional mass flow discharge can be achieved with reduced hopper slopes by utilizing Tank Connection's proprietary fusion bond coating system. Reduced hopper slopes equate to cost savings for the client. Tank Connection remedies the storage problems of the past by prescribing the correct variables of hopper slope, outlet size, outlet configurations, materials of construction and surface finish, active flow-aid devices, passive flow-aid devices, internal and external coatings systems, applicable codes and the correct flow type required for reliable material flow. Some standard hopper product offerings include:

- Functional mass flow
- Funnel flow
- Expanded flow
- Active/vibratory discharge
- Numerous configurations of fluidized hopper designs

FUNCTIONAL MASS FLOW DESIGN

- Smooth, steep hopper
- First-in, first-out
- Fine powders deaerate
- Segregation problems are minimized
- Material is fed uniformly at constant density



- Typical hopper slopes: 45° to 70°
- Custom slopes
- Custom design chisel hopper designs
- Hopper capacities from 1,000 125,000 ft³

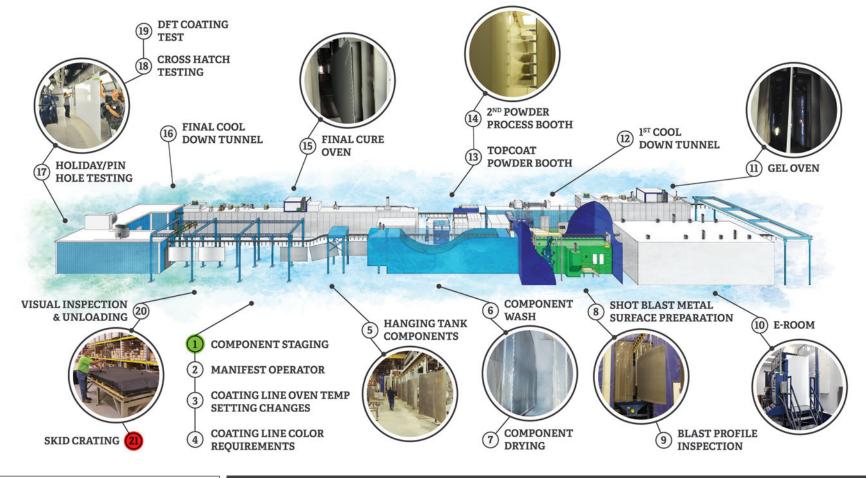
FUNNEL FLOW DESIGN

- Lower headroom
- First-in, last-out
- Lower storage cost
- Excellent for coarse, free-flowing materials



FUSION COATING TECHNOLOGY. UNMATCHED PROCESSES. UNRIVALED RESULTS.

Tank Connection maintains two state-of-the-art fusion powder coating lines, each over 200 yards (182.88 m) in length. The system and controlled station processes are unmatched by any other tank manufacturer. The proprietary fusion powder coating systems offered by Tank Connection are designed for high chemical resistance, corrosion resistance, flexibility, chip resistance, weatherability and UV protection.



21 STAGES 14 STATIONS	TANK CONNECTION POWDER COATING COLORS The colors shown are printed approximations. The exact color can be viewed using RAL standard color samples.						
over APPLICATION PROCESSES 110 CHECKS AND INSPECTIONS	STANDARD COLORS				PREMIUM COLORS		
EXCLUSIVE & Proprietary AUTOMATION PROCESSES	TC TAN RAL1001	TC WHITE RAL9016	TC LIGHT BLUE RAL5024	TC LIGHT GREEN RAL6019	TC GRAY RAL7035	TC COBALT BLUE RAL5011	TC FOREST GREEN RAL6005

DRY FUSION 5500 FBE[™] [Base Coat]

This high performance epoxy powder coating has been specifically designed for bolted storage tank applications storing dry bulk materials. The factory baked-on coating is well suited as an excellent base coat when applied to a properly prepared substrate surface and topcoated with super durable polyester powder coatings.

CERTIFICATION

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• FDA - 21 CFR 175.300: Resinous and Polymeric Coatings

CHARACTERISTICS

- Superior product flow promotion qualities
- Fusion bonded to substrate surface
- Abrasion, chip and scrape resistant
- Can be repaired in the field if damaged
- Superior test performance compared to all other coatings
- Does not crack or spall
- Excellent chemical and corrosion resistance
- Best warranty in the industry

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PHYSICAL PROPERTIES					
Condition	Test Method	Performance			
Adhesion	ASTM D3359	100%			
Abrasion Resistance	ASTM D4060-07 (CS-10, 1000g, 3000 cycles)	000g, < 70mg loss			
Abrasion Resistance	ASTM D968 - 690 Liters sand	No wear through			
Chip Resistance	ASTM D3170-03	7B			
Heat Resistance: Dry	Temperature (°F)	300°F (149°C)			
Impact Resistance	ASTM D2794	160/160 direct/reverse			
Hardness	ASTM D3363	6H			
Flexibility	ASTM D522	1/8" (270° bend)			
Pull Test	ASTM D4541	3000+ psi			
Scrape Adhesion	ASTM D2197	>10 kg			
Humidity Resistance	ASTM D2247 1,000 hours No change				
SPECIFICATION & PERFORMANCE					
Film Thickness	5-9 mils DFT				
Surface Profile	SSPC SP10 near white metal blast				

DRY FUSION 5500 FBE[™] + EXT FUSION SDP[™] [Top Coat]

EXT Fusion SDP[™] is a superdurable polyester powder coating that is designed for extreme exterior exposure weathering resistance. This coating provides significantly improved gloss retention and resistance to color change compared to standard coating systems. Utilizing the protective properties of Tank Connection's exclusive FBE epoxy powder fused to substrate with a fused topcoat of SD polyester, it outperforms all other tank exterior coating systems offered. In recognized exposure testing (Southern Florida Exposure Tests), this system is rated at 5 years without change!

CHARACTERISTICS

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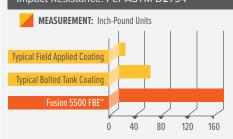
- Outstanding toughness with proven weatherability
- Fusion bonded to FBE primer
- Gloss retention @ 60°: 80±5 GU
- Enhanced resistance to chalking or fading
- Superior exterior durability
- Best warranty in the industry
- Can not be scratched off independent of the base coating

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פ ד	PHYSICAL PROPE	PHYSICAL PROPERTIES								
	Condition	Test Method	Performance							
4	Adhesion	ASTM D3359	4+							
つ し	Impact Resistance	ASTM D2794	40+							
	Flexibility	ASTM D552	1/2" or better							
	Exterior Durability	AMMA 2604-05	5 year Florida*							
K N A	Hardness	ASTM D3363	H+							
¥ U	Corrosion Resistance**	ASTM B117	> 10,000 hrs without failure							
\mathbf{x}	SPECIFICATION &	PERFORMANCE								
Ш	Film Thickness	6-10 mils DFT								

** When EXT Fusion SDP[™] topcoat is used over DRY Fusion 5500[™] primer.



DURABILITY Impact Resistance: Per ASTM D2794



WALL FRICTION PROPERTIES

Lower wall friction values equate to less hopper slope required for functional mass flow discharge.

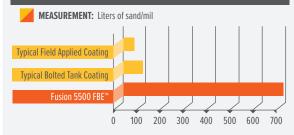
Reduced hopper slope = reduced tank height & lower installed cost

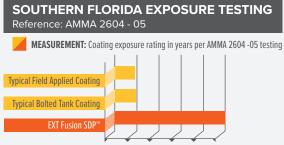


NOTE: Dry bulk materials maintain varving wall friction values. In product flow testing, Fusion 5500 FBE™ provides a functional mass flow discharge of dry bulk materials at reduced hopper slopes that is equivalent to or better than 304 stainless steel with a 2B finish.



Falling Sand: Per ASTM D968 - Liters of sand/mil of erosion







ELEVATE YOUR EXPECTATIONS!

- Tank Connection designs and builds the highest quality products that will stand the test of time
- Honesty, integrity and a targeted focus on client success and satisfaction are paramount
- Tank Connection is home to the leading experts with the most experience in the industry
- Quality, technological innovation and accountability are driven by a progressive vision





WE WILL MEET AND EXCEED YOUR EXPECTATIONS!





REQUEST A QUOTE AND **GET CONNECTED WITH REAL PERFORMANCE** FROM THE INDUSTRY LEADER, **TANK CONNECTION!**

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