



STARK MFG

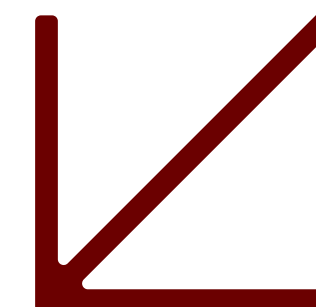


Weighing precision, maximum efficiency

DRY POWDER MIXING



Compact, multifunctional system that combines storage, weighing and mixing within a single unit



01 PAINTED STEEL BODY

02 HOT-DIP GALVANIZED SUPPORT STRUCTURE

03 EXTRACTION SCREW CONVEYOR

04 LOADING HATCH

05 DUST REMOVAL FILTER

06 LOAD CELLS

07 VIBRATOR

08 FLUIDIZATION SYSTEM

09 COCLEA DI MISCELAZIONE

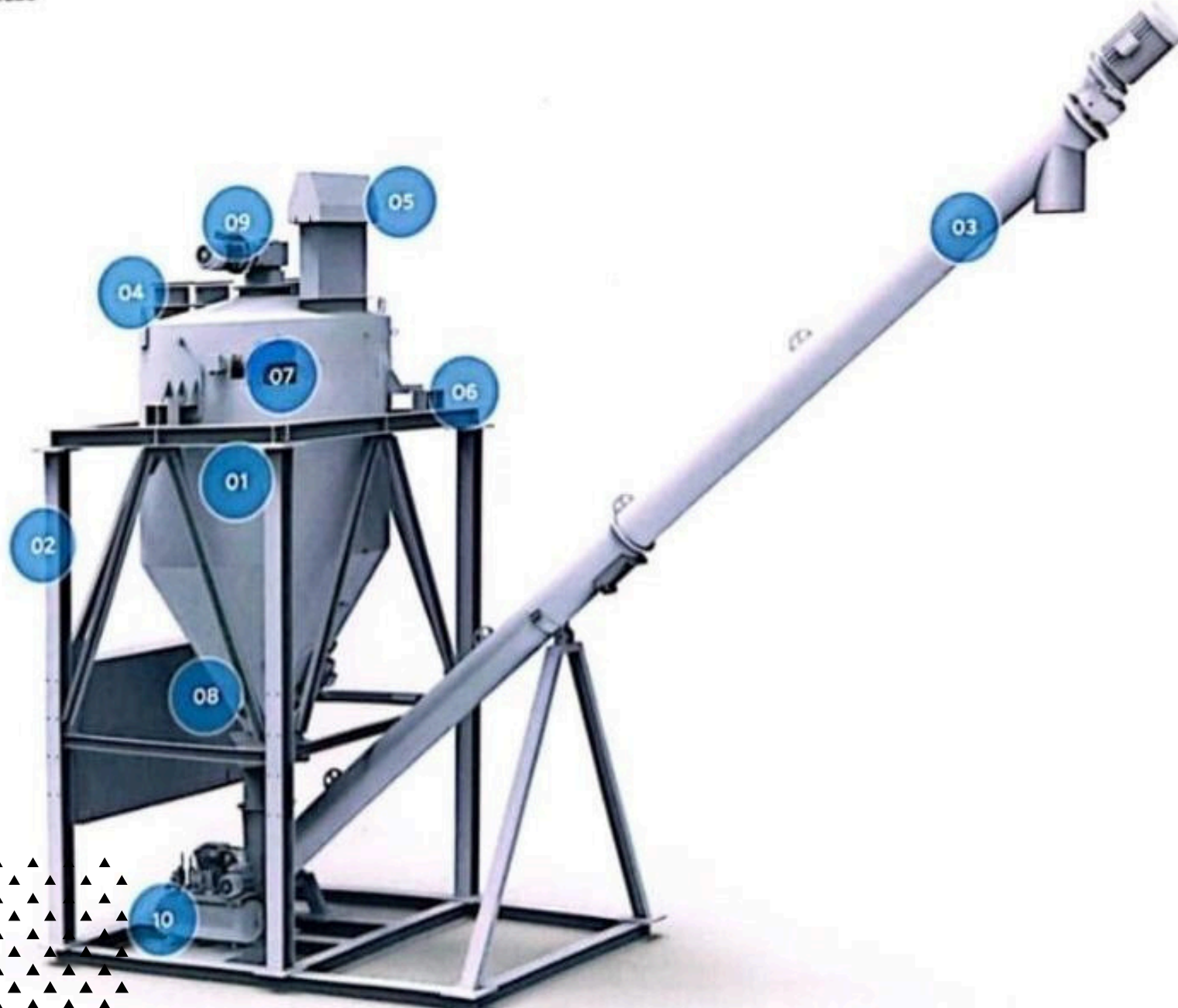
10 COMPRESSORE

STARK MFG



Model Composition

Stark Dry Powder Mixing are fully customizable according to customer requirements, with a choice of construction material and operating features, plus additional options available on request.



- Innovation
- Adaption
- Safety
- Precise

Material Movement

The central screw system continuously draws the material from the bottom upward, creating a constant flow that ensures a high level of mixture homogeneity.

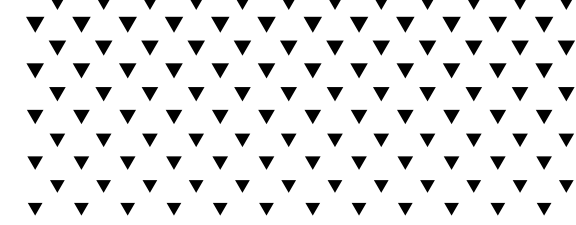
The internal movement prevents the formation of lumps or accumulation zones, allowing uniform processing even with powders of different densities or particle sizes.

Fluidization System

Injecting low-pressure air inside the tank. The air flow creates a thin layer between the walls and the material, reducing friction and promoting movement toward the mixing screw. This system prevents compaction or bridging, ensuring a smooth and consistent flow event with fine or low-flowability materials

Functioning & Safety

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Powder Filtration

During the loading phases, the upper filter retains exhaust powders and allows air to escape, keeping the internal pressure of the system stable.

This ensure smooth and safe loading, preventing material dispersion and maintaining a clean working area.

Load Cells

The system is desinged to achive a high level of mixing uniformity, with homogeneous distribution of the components and a stable result over time.

The presence of load cells and multiple inlet enables procise dosing control and ensure process repeatability.

Mixing Cycle Times

The desing and internal components, particularly the central mixing auger, are optimized to reduce cycle times and ensure a fast and consistent process. Promotes uniform distribution of the material, allowing the desire homogeneity to be achieved quicky and keeping the machine ready for subsequent operational phases.



- 01. Robust, compact desing that is easy to move and install in any enviroment.
- 02. Uniform material mixing for consistent, high-quality output.
- 03. Integrate load cells for real-time weight control and full production traceability.
- 04. Controlled discharge system for precise dosing and regulate material flow.
- 05. Multiple loading inlets for handling different powders and additives.
- 06. Ideal for mobile plants, temporary constructions sites or fixed installations.
- 07. Reduce processing times thanks to the integrate storage, mixing and weighing system.



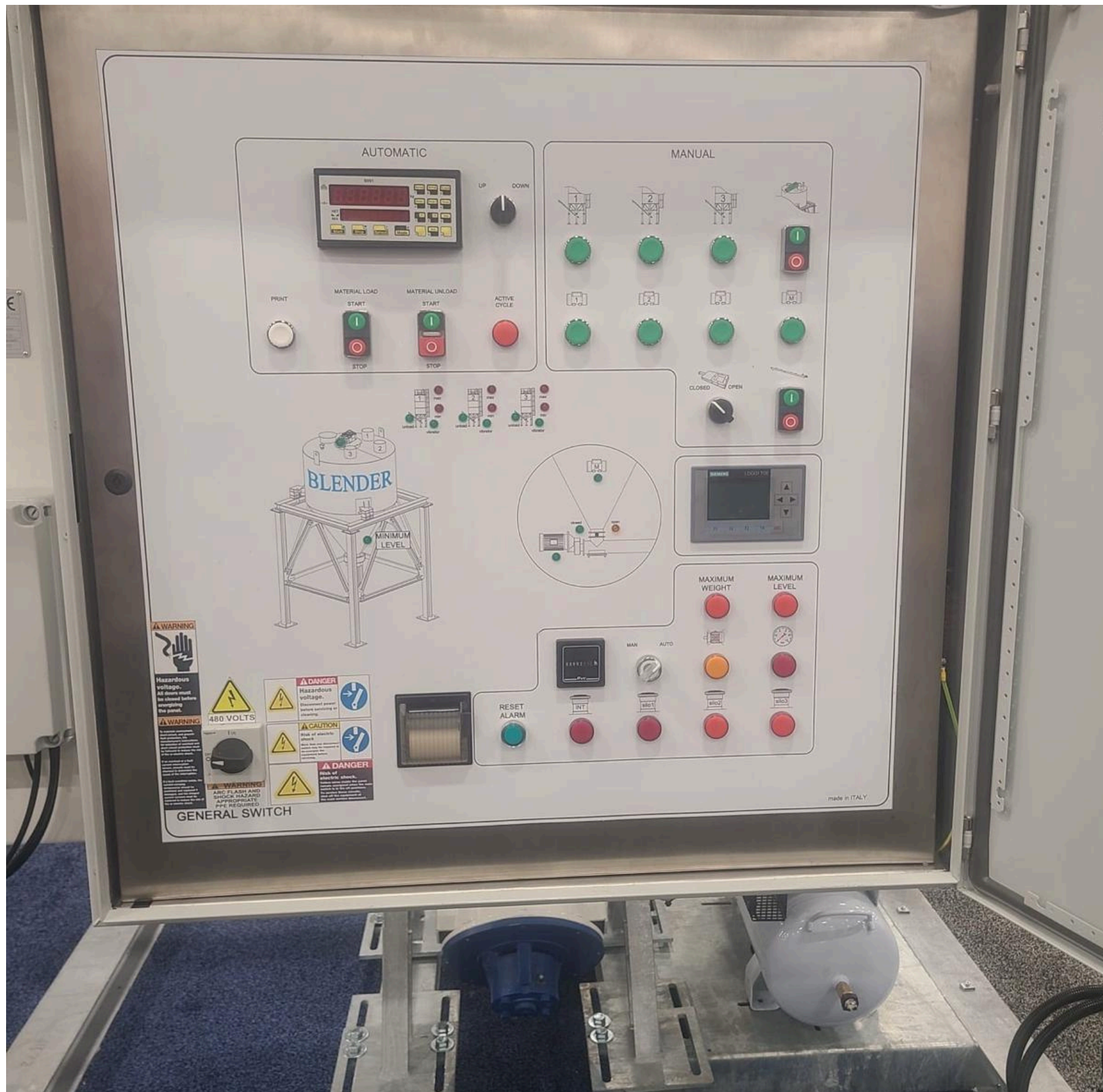
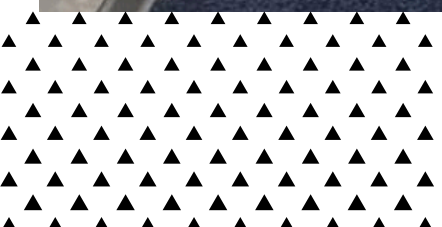
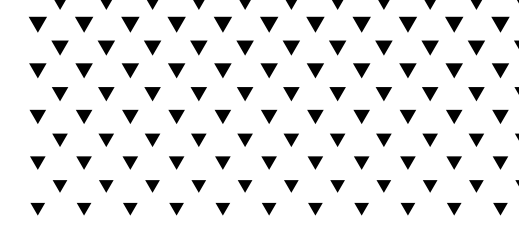
Advantages of Dry Powder Mixing





Control Panel: Automatic & Manual operation

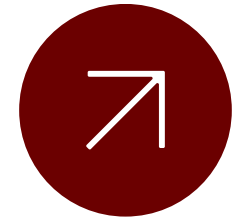
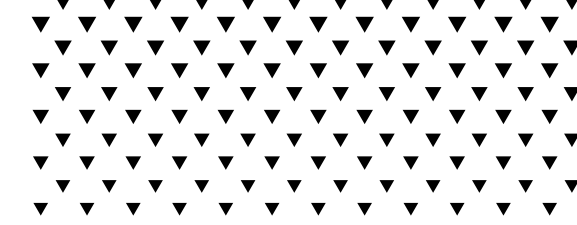
Every process requires a different configuration, but performance must always remain consistent. Stark Dry Powder Mixing are designed to deliver uniform mixing, accurate weighing and continuous operation, combining all three functions in one compact, easily transportable machine.



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STARK Dry Powder Mixing

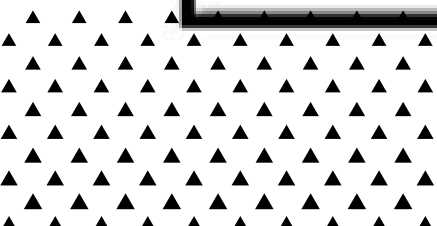
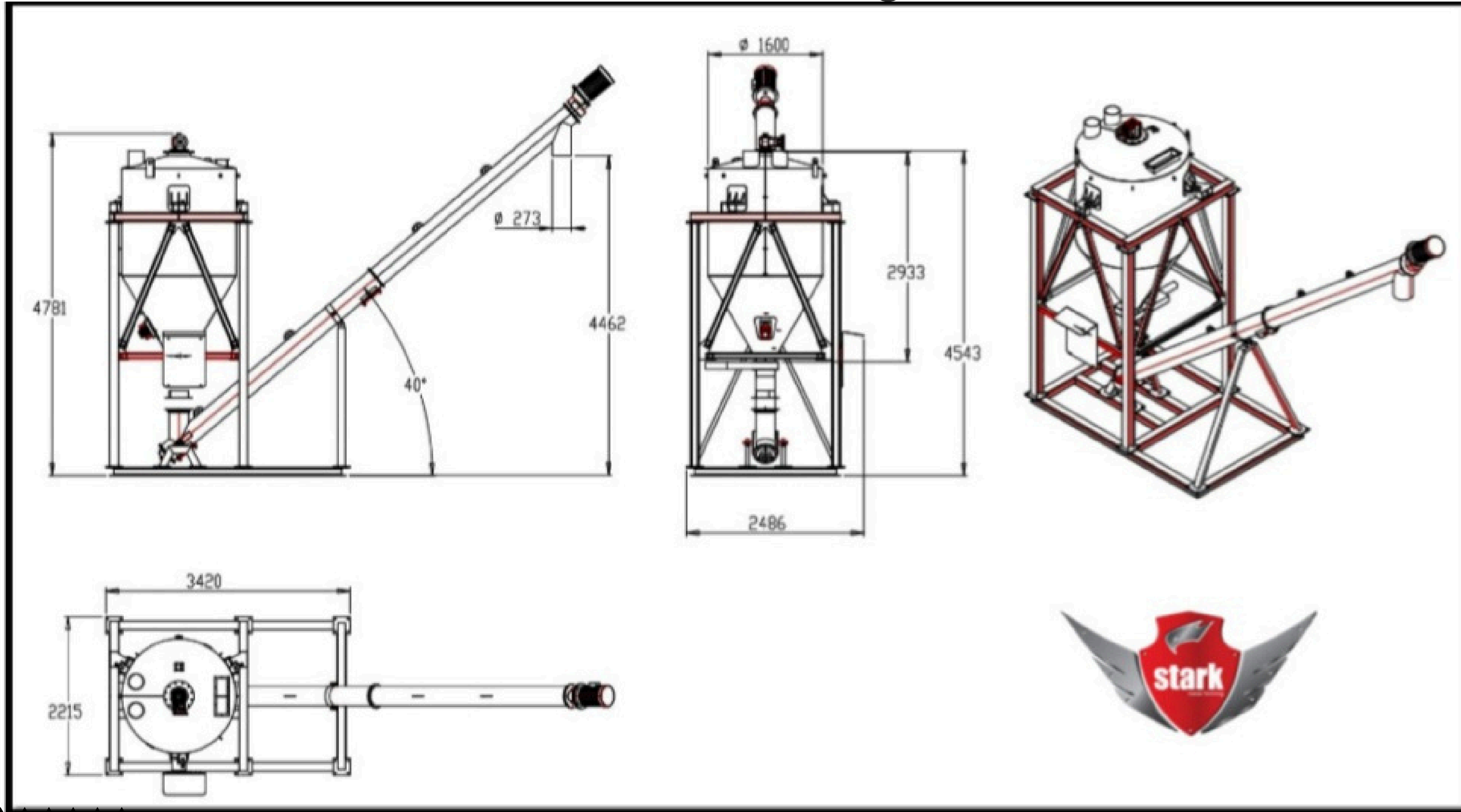


**AVAILABLE
CAPACITIES:**

2CY (1.5M3)

4CY (3M3)

6CY (4.5M3)



STARK MFG



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Let's Connect:
We're Here
to give solutions

