

Typical Bill of Materials: Super Combo

- ① SEED CLEANER : To separate seeds from extraneous materials
- ② METERING BIN : To provide uninterrupted flow of seeds
- ③ CRACKING MILL : To size seeds for efficient cooking
- ④ 8" DOX™ EXPANDER : To shear the oil cells and cook the protein
- ⑤ DOX™ V-BELT DRIVE & MOTOR : The energy source for the expander
- ⑥ DUO™ EXPELLER® PRESS : To control by extraction the meal fat content
- ⑦ FEED RUN AROUND SYSTEM : To maintain continuous control
- ⑧ SCREENING SYSTEM : For reducing oil solids content
- ⑨ FILTER PRESS : For removal of all solids from the oil
- ⑩ FILTERED OIL TANK SYSTEM : For maintaining continuous oil process stream
- ⑪ CAKE COOLER : For adjusting temperature of meal prior to disposal
- ⑫ CAKE GRINDING : For sizing meal to bagging specification
- ⑬ BAGGING SYSTEM : Anderson or customer supply

System Capabilities

Anderson invented continuous mechanical oil and fat extraction in 1900 and extrusion cooking in the early 1950's. The experience gained since is your guarantee that the entire process system will meet your exact expectations.

Our experience setting up extrusion processing mills for all animals, whether poultry, pigs, dairy cows, fish and shrimp, as well as dogs and cats, provides you with a long term partnership.

And, our experience means you have one source of supply to bring the project to reality. We can provide system engineering, all system equipment, erection supervision, startup and operator training. And today we can provide you integrateable process control.

We look forward to working with you.



Anderson Extruders Feed.....

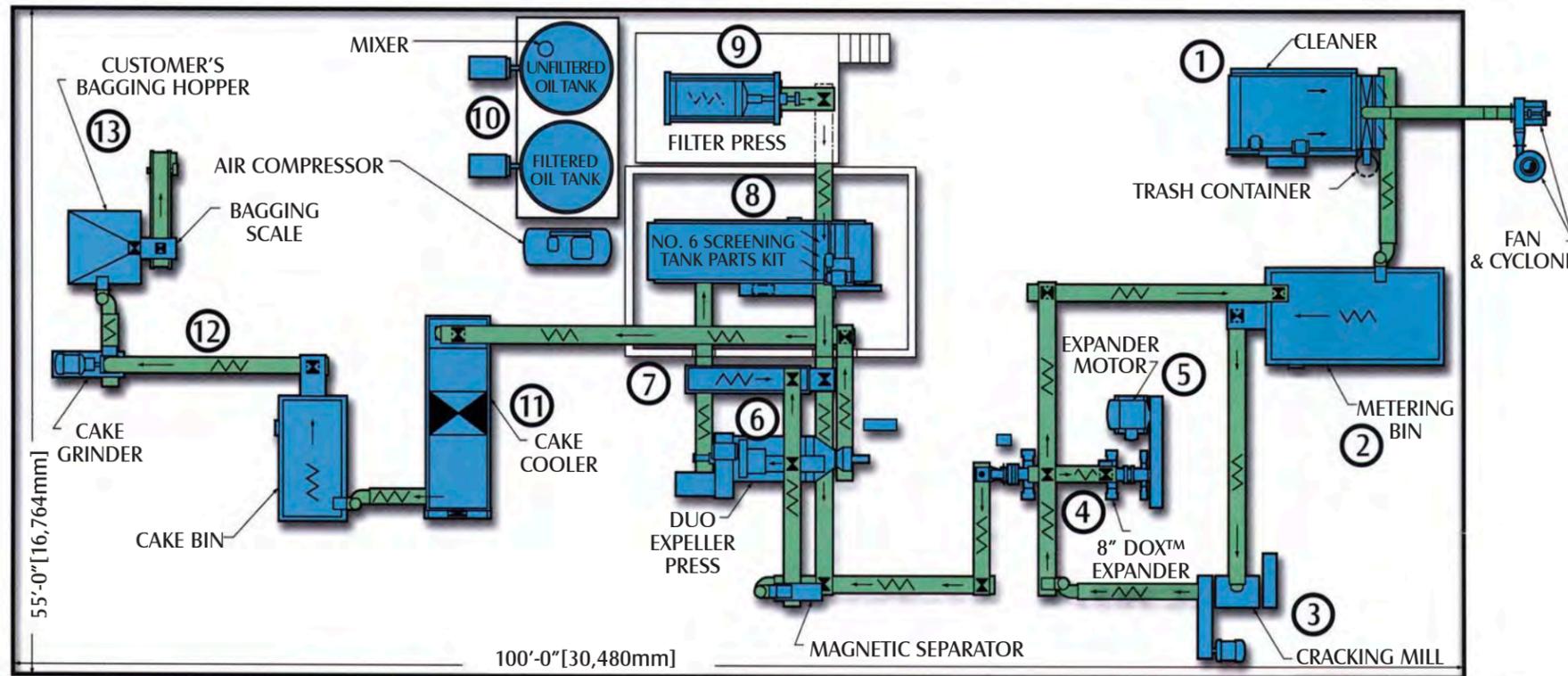


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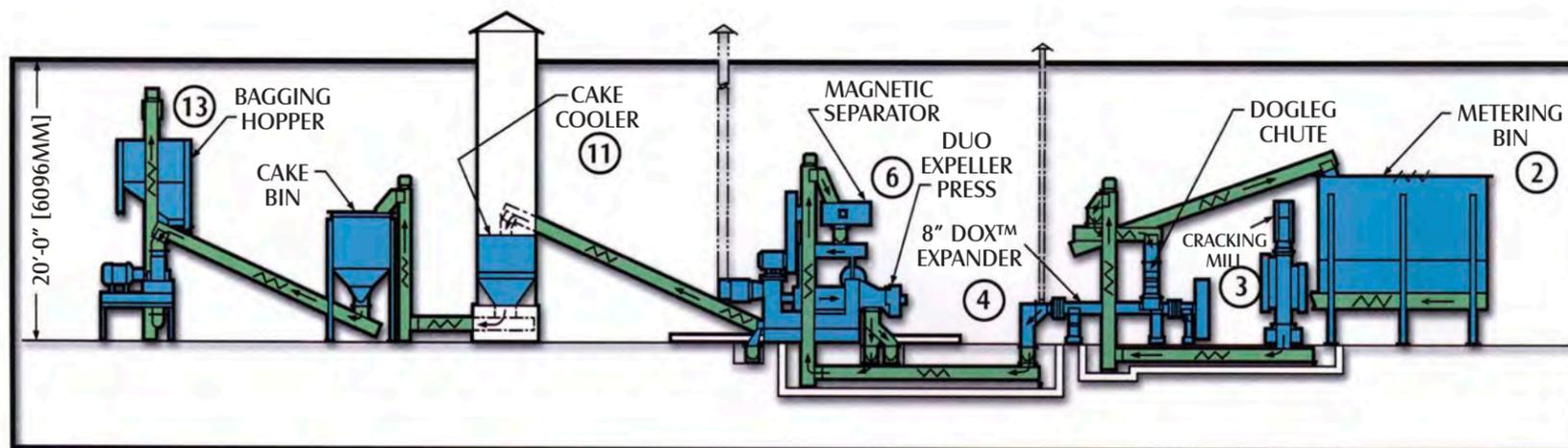


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Anderson Super Combo Plant Layout



Typical Plan View



Typical Elevation View

Process Benefits

Increasing Dairy Cow milk production requires a process system that can control the digestibility of protein as well as the fat content of the feed ration.

Two of the best protein sources are soybeans and cottonseeds, and the Anderson Super Combo system processes these to produce specific digestibility for milk production improvement.

Not only does the system control the protein digestibility, it also controls the amount of fat remaining in the meal. Both soybeans and cottonseeds contain too much fat. With the Anderson system the final protein ingredient contains 6% fat.

And, there is an added benefit because the fat that is removed is of high quality; near refinery grade; which demands a premium.

Process Description

The Anderson Super Combo System combines Anderson's unique Dox™ Expander and Expeller® Oil Extractor.

Whole or dehulled soybeans or cottonseeds are tempered and fed directly to the Dox™ Expander. Through its high shear design the bound fat is released and the protein is cooked in a matter of seconds.

The full fat cooked meal is immediately transported to the Anderson Expeller® where the excess fat is separated continuously in a controlled stream to produce the low fat meal. The meal is cooled and bagged or conveyed to bulk storage.

The excess fat flows through an Anderson screening system and filter press to remove any remaining solids from the fat. The solids return to the Expeller® and the near refinery quality fat is pumped to storage. Nothing is wasted in the system.