



# OVERVIEW BLENDING MACHINES

## Vertical Blender

The blending principle of this blender is absolutely unique. A conical screw is inside the container blends raw materials in a wave motion while always ensuring an accurate weighing of the product by never suspending any product. The bottom cone of the blender has a 60 degree angle to eliminate product build up inside the container. A salem valve on the bottom of the auger blender ensures complete cleanout of the blender. The machine can reach a capacity of 60 ton/m<sup>3</sup> per hour. The complete system is mounted on a digital weighing system.



## Shamrock Blender

Various branches of the industry have these shamrock blenders in operation. The blending process is simple: the turning drum has internal flighting which blends the different raw materials in a folding action. The blend has excellent homogeneity, with little or no segregation. The blending capacity varies from 2 ton with a blending capacity of 2 m<sup>3</sup> till 10 ton with a blending capacity of 10 m<sup>3</sup>. The weigh hopper has the same capacity as the blender and is mounted on a digital weighing system.



## Kraus- Tyler Blender

The Kraus Paddle Blender is a machine that must be filled from the top with a loader. Inside this blender is a mild steel stir arm on which paddles are connected. The number of rotations of this stir arm is 5 rotations per minute. The whole blender unit has a digital indicator and a big follow display. The machine has a filling length of 2,5 meters, and a width of 1,5 meters. It also has a hand operated electrical motor switch with thermal security connection. The blending content of this machine is 5 metric ton. The capacity per hour is 20 to 30 ton/m<sup>3</sup>.



## Smithbuilt Blender

The Smithbuilt single unit is built for low volume sellers in space-confined areas. The Smithbuilt is built with a round internal mixing baffle for a better mixing flow. All raw materials will be blended in the Blender body by the fast turning of the blending screw. At the top of the blender a screen made of Mild steel has been mounted. The blender Auger has a bottom bearing. The machine has an weight indicator with a big follow display. The blend capacity is 4,5 or 5,5 metric ton per batch; the total capacity per hour will be 20-30 ton/m<sup>3</sup>.



## Weighcont Blender

This blender operates with the most modern technologies. The computer commands and controls the entire continuously operating weighing blending process by means of a variable electro or hydraulic control system. This guarantees an optimum quality. The system works as follows; the operator fills the hoppers with raw materials by a wheel loader. Each hopper is mounted on a digital weighing system; the Stainless steel dosing conveyors in combination with the digital weighing systems ensure the proper dosing of raw materials. This system has a blending capacity of 20-250 ton/m<sup>3</sup> per hour. The number of hoppers is unlimited. The complete blender is made of Stainless steel with a hopper capacity of 4-15 ton/m<sup>3</sup>.



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