

DRYER ,COOLER & PREMIX
TOWER

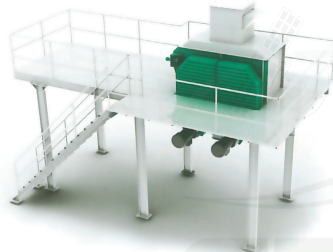
A- Premix Unit



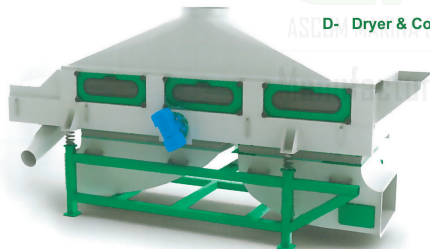
Different mineral and vitamin in silo are conveyed to weighing hopper by screw conveyors. Screw conveyors work separately. Each product is weighed respectively. Weighing hopper outlet is controlled by pneumatic gate. Weighed product is received to bottom feeding bunker. It enables to system progression owing to reduce retention time of mixer.

Premix unit is used to dose ingredients added feed like vitamin dsp, enzye, etc. In powder or granuler formed

C- Crusher



D- Dryer & Cooler



B The products conveyed by elevators are discharged top bunker of tower and then filled to tempering tower. Steam is injected to system from tower bottom. Semi-finishing products are tempered with steam in tower. Discharged product is conveyed to crusher by double screw conveyor under tower. Available heat meter on system to check temperature.

C Available two crushing balls in body. Distributor is placed on product inlet duct to provide stable product distribution on balls. Distributed product is directed towards ball center. One of balls is fixed and other one is movable to arrange flake thickness. Ball pressure power is supplied by springs on adjusting lever. Indicators on adjusting lever end are controlled gap equity on two ends of balls. Every two balls are driven by different motors separately.

D Machine is placed under crusher. Machine system works by vibration. Product coming from crusher to dryer & cooler is passed from three phases.

1. Phase: reducing humidity by dry and hot air.
2. Phase: cooling by dry and cool air.
3. Phase: sifting dust and fine particles.

Heater -supplier hot air to system-, works by natural gas, electric or steam tunnels. In cooling phase, product is cooled by ambient air after filtered. Filtered air is sucked by aspiration system placed to top. Cyclone system in aspiration system, recycles dust and fine particles from sucked air to system.

B- Tempering Tower



Flake Plant

