

Dough Feed Systems

Dough feed systems comprise a range of unit machines and conveyors that transport dough from the mixer and provide either a bulk feed or metered feed to the forming machine.

Mixed batches are converted into a continuous flow and the dough is metered into the hopper of the forming machine at the correct rate and in optimum condition. Systems are designed for timely transfers, taking into account any requirements for resting and conditioning of the dough. Hygienic materials are used throughout and there is excellent access for cleaning.

Dough feed systems are custom built to suit customers' requirements: each system is designed to match the specific plant output, product type and site layout. Systems to feed bulk dough directly to the hopper of the forming machine are also available if required.

Dough Feed Units & Options

- Elevators and tipping machines
- Two-roll dough feeders
- Live bottom bins
- Conveyors
- Dough kibblers
- Metal detectors
- Self-contained power dough feed systems
- Systems for combination lines:
 - Sheeting
 - Rotary moulding
 - Wirecut





Tub Elevator



Tub Tilt



Dough Chute and Two Roll Feeder



Dough Conveyor with Metal Detector



Power Dough Feeder

Dough Feed Units

Tub Elevator

In a single floor installation, the elevator lifts dough in a portable tub to the hopper of the feed system or forming machine.

Tub Tilt

In a two floor operation, dough is typically tipped into a through-floor chute to the forming machine on the floor below.

Two Roll Feeder

The two roll feeder accepts a bulk feed of dough either direct from the mixer or from a tub. Two slowly rotating grooved rolls meter the bulk dough onto a conveyor below; the unit can either be floor mounted or ceiling mounted via a dough chute through the mixing room floor.

Live Bottom Bin

The live bottom bin accepts a bulk feed of dough either direct from the mixer or from a tub. The unit consists of a slow-moving conveyor belt and a guillotine to cut slabs of dough onto a feed conveyor.

Dough Conveyors

Conveyors driven by independent variable speed drives transport the dough from the metering unit to the forming machines. Metal detectors linked to reject mechanisms can be installed to prevent damage to the forming machines.

Dough Kibblers

A kibble for rotary moulded doughs ensures an even spread across the full width of the forming machine, and gives a constant dough level in the hopper.

Power Dough Feeders

Power Dough Feeders are self-contained dough feed systems for feeding soft dough into wirecut machines or rotary moulders. Directly coupled to the mixer, they take bulk dough to the receiving hopper and deliver an accurately metered, consistent feed of kibbled or sheeted dough to the forming machine.