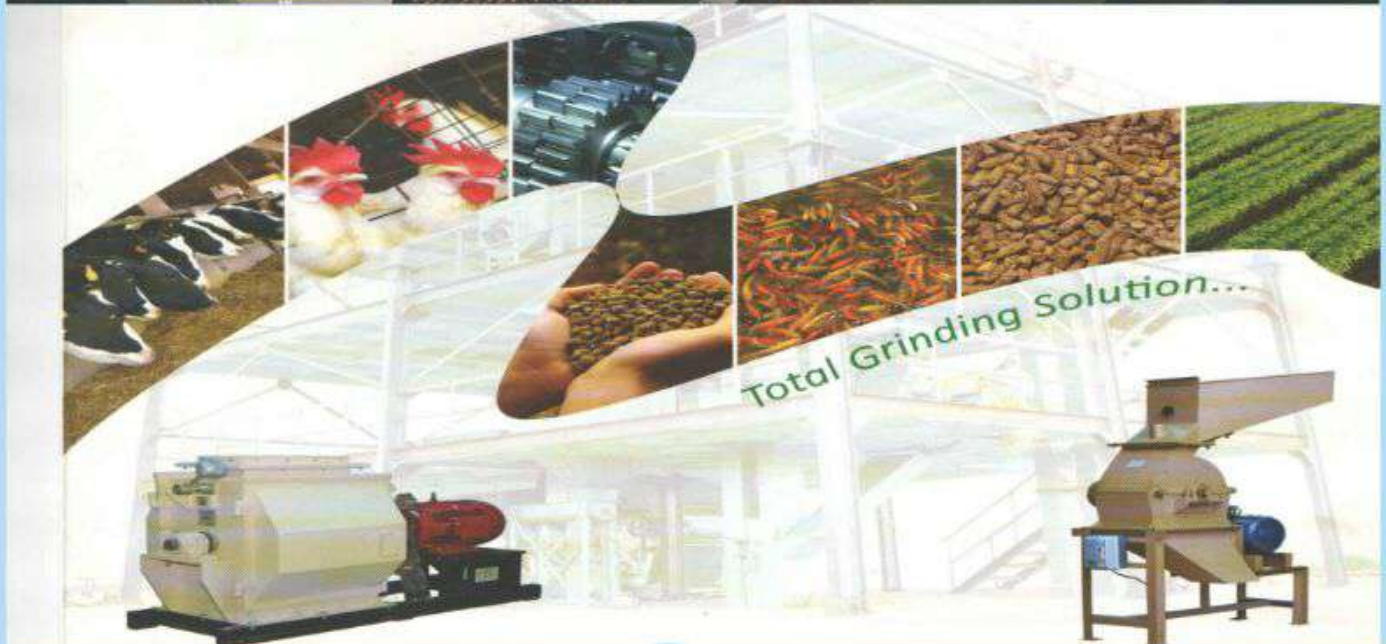


JK Engg. Co.



POULTRY & CATTLE PLANT

Pellet Mills - efficient feed production



POULTRY & ANIMAL FEED PLANT DESIGNERS & MANUFACTURERS



MINIMUM STRUCTURE
HIGH QUALITY FEED
BEST VALUE FOR MONEY
LOW POWER CONSUMPTION
MAINTENANCE FREE

www.jkenggco.com

Company Profile

OUR HISTORY

Established in 21st century, The Company has a great mixture of engineers having more than 15 years of feed Industry experience as well as young and dynamic management professional who connect with the technological advancements.

We are into designing and manufacturing of Poultry Feed Plant & Animal feed plants We handle turnkey projects of designing, manufacturing and erecting Poultry feed Plants, Cattle feed Plants, Fish feed Plants of any desired capacity.

We also provide all type of spare parts of feed plant machinery.

FACILITIES

JK ENGG. CO. has a state of the art mechanical designing facilities comprising of latest 3D design software, We have a team of designers having vast experience in the field of feed plant machines designing.

JK ENGG. CO. has a Manufacturing Facility Spread over 5000 Sq.Ft. area with sufficient skilled supervisors & workers which allow us to produce machine with optimum finishing and timely delivery. We have a capable erection and commissioning team headed by experienced supervisor that helps us to finish erection work in minimum time.

The Work We do



CATTLE FEED PLANT
Pellet Plants
(2TPH to 20TPH).
Mash Feed Plants

(2TPH to 15 TPH)



POULTRY FEED PLANT
Pellet Plants
(2TPH to 20TPH)
Mash Feed Plants
(0.5TPH to 15TPH)

Grinding Equipment

Full Circle Hammer Mill

- High Capacity
- Stable Performance
- Easy to Handle/ Maintain
- Gap Adjusting Mechanism for Course/ Fine Grinding
- Heavy Duty Structure
- Heavy Bearing Housing
- M Shaped Beaters for Higher Capacity
- Air vent /Discharge Provision for Heat Dissipation
- Installed with Special Purpose Bearing Designed for Higher RPM / Continuous Working

Sr. No.	Model	Capacity	Driver Requirement
1	HGM-15	01 - 1.5 TPH	15 HP
2	HGM - 25	02 - 03 TPH	25 HP
3	HGM- 40	03 - 05 TPH	40 HP
4	HGM - 60	05 - 08 TPH	60 HP
5	HGM -75	08 - 10 TPH	75 HP
6	HGM - 120	12 - 15 TPH	120 HP



Mixing Equipment

Twin Shaft Paddle Mixer

Suitable Wet Mixing

Suitable Oil Content < 10%

Homogeneous Mixing

Mixing Period - 3-4 Min (Depending upon Ground Particle Size & feed formula)

CV < = 5 %

Return Air Chute furnished for internal & external pressure balancing

Large Cleaning Door for Easy Maintenance

Pneumatically Operated Bom-Bay type Discharge flap

Spray Nozzles for spraying Molasses/Oil/Water Etc.

Sr. No	Model	Capacity	Drive Requirement
1	PBM - 0.5	0.5 TPB	10 HP
2	PBM - 1.0	1.0 TPB	20 HP
3	PBM - 2.0	2.0 TPB	30 HP



Pelleting Equipment

Pellet Mill

- Dynamically balanced capsule assembly.
- Fixture to remove capsule assembly very easily.
- Total three cutting knife on machine for better performance & uniform length of Pellet.
- Sliding which arrangement on machine for easy removal of die and press roll assembly by which we can reduce die and press roll replacing period.
- Limit switch to avoid damage on machine in case of chocking.
- Easy gear type mechanism for gap adjustment between die and press roll.
- Front chute with door are fabricated form S.S 304 with Pneumatically actuated over flow flap & magnet.
- Paddle type Conditioner (Fabricated from S.S. 304 with reasonably long retention time for proper cooking of the material.
- Variable Pitch Screw Feeder (Fabricated from S.S. 304). with VFD for Flow Control
- Optional Auto Greasing Mechanism



Sr. No.	Model	Capacity	Drive Requirement
1	BPM - 220 X 060	0.3 - 0.5 TPH	020 HP
2	BPM - 320 X 080	02 - 03 TPH	075 HP
3	BPM - 420 X 120	04 - 06 TPH	120 HP
4	BPM - 520 X 150	07 - 08 TPH	180 HP
5	BPM - 520 X 180	09 - 10 TPH	215 HP
6	BPM - 600 X 180	12 - 14 TPH	250 HP

Counter flow Cooler

- Efficient, Trouble free & Affordable Cooling
- Octagonal Shaped Cooling Chamber
- No Death Corner
- Improved Moisture control & Low-shock, tempered Cooling
- S.S. Feeder for Uniform Feeding
- Large Access Door For Maintenance/ Cleaning Purpose
- Height Adjustable level sensors to modify cooling time
- Reciprocating fence for discharge.



Crumbling Equipment

Crumbler

- Rotary Feeder for uniform feeding purpose
- Easy Bypass Mechanism
- Advanced Gap Adjusting Mechanism
- Large Doors for Easy Inspection & Maintenance
- Provision for Feed Sample Collection



Sr. No.	Model	Capacity	Drive Requirement
1	CR - 050	2 - 4 TPH	05 HP
2	CR - 075	4 - 6 TPH	7.5 HP
3	CR - 100	6 - 8 TPH	10 HP
4	CR - 150	8 - 11 TPH	15 HP

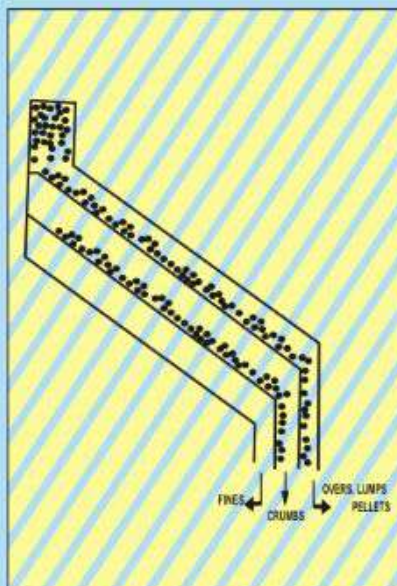
Vibratory Screener

The pellets & crumbs are usually screened to separate fines & over size particles before final packing. For removing fines only, we require single deck screener. For removing both the over size & fines, we need double deck screener. Our screeners are fitted with separate frames over which wire mesh is clamped and are designed for quick change of different mesh screens.

Features:

Vibratory Motor with special Bearings for prolonged life

Fitted with Flow Eveners or Product Spreader to give better screening effect.



Conveying Equipment

Screw Conveyor

For conveying of Powder like material, we provide vast range of screw conveyors based on the conveying capacity.

The design of the screw conveyors is U - Type and easy to maintain.

With application such as Screw feeder, we provide Variable Pitch & Variable diameter screw conveyors to control the flow of the material that helps in the easy functioning of the Plant.



Chain Conveyor

- Drag Velocity - 0.5 m/s
- Chain pitch - 125 mm
- Nylon Pad for additional conveying capacity and lowering the friction

Sr No.	Model	Dragging Span	Capacity
1	CC - 180	180 mm	15 TPH
2	CC - 220	220 mm	25 TPH
3	CC - 270	270 mm	35 TPH

Bucket Elevator

Based on the Capacity to be conveyed, JK ENGG. CO. Offers vast Range of Bucket elevators.

Depending of the Height up to which the material is to be conveyed, the density of the material, The capacity to be conveyed in Unit Time, We design the Bucket Size, Belt Width, Motor Power motor RPM & Appropriate Gear Box.

These Calculations helpus to design the efficient, maintenance free conveying system



Auto-batching Equipment



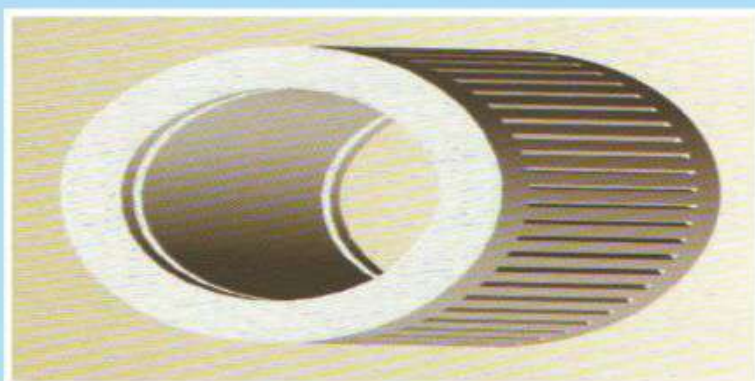
To produce desired quality feed, proportion of each ingredient is must every batch weighing application is unique with its own capacity requirements, plant specification, our batching system has proven this need in all technical aspects, even is auto or manual control system with semi auto control and it is user friendly.

The plant mimic on the PC screen displays the status of the batching section & operations can be continuously monitored. PLC based computerized batching system. software acquires various data & reports from the machines, quantity of the material on batch hopper is sensed by load cells & transmits the information to PC which controls the batching operations as per the recipe.

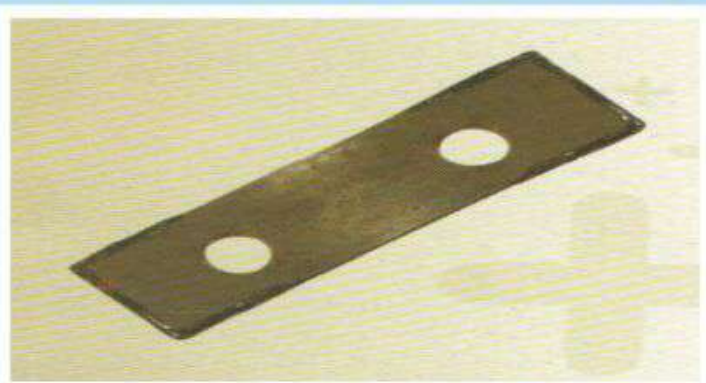
Spares



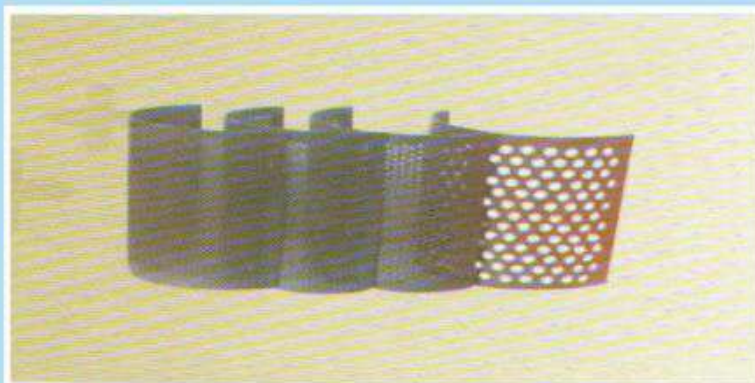
PELLET DIE



ROLL SHELL

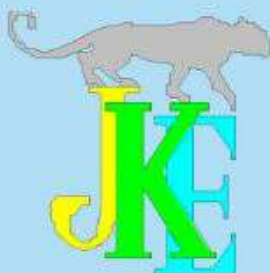
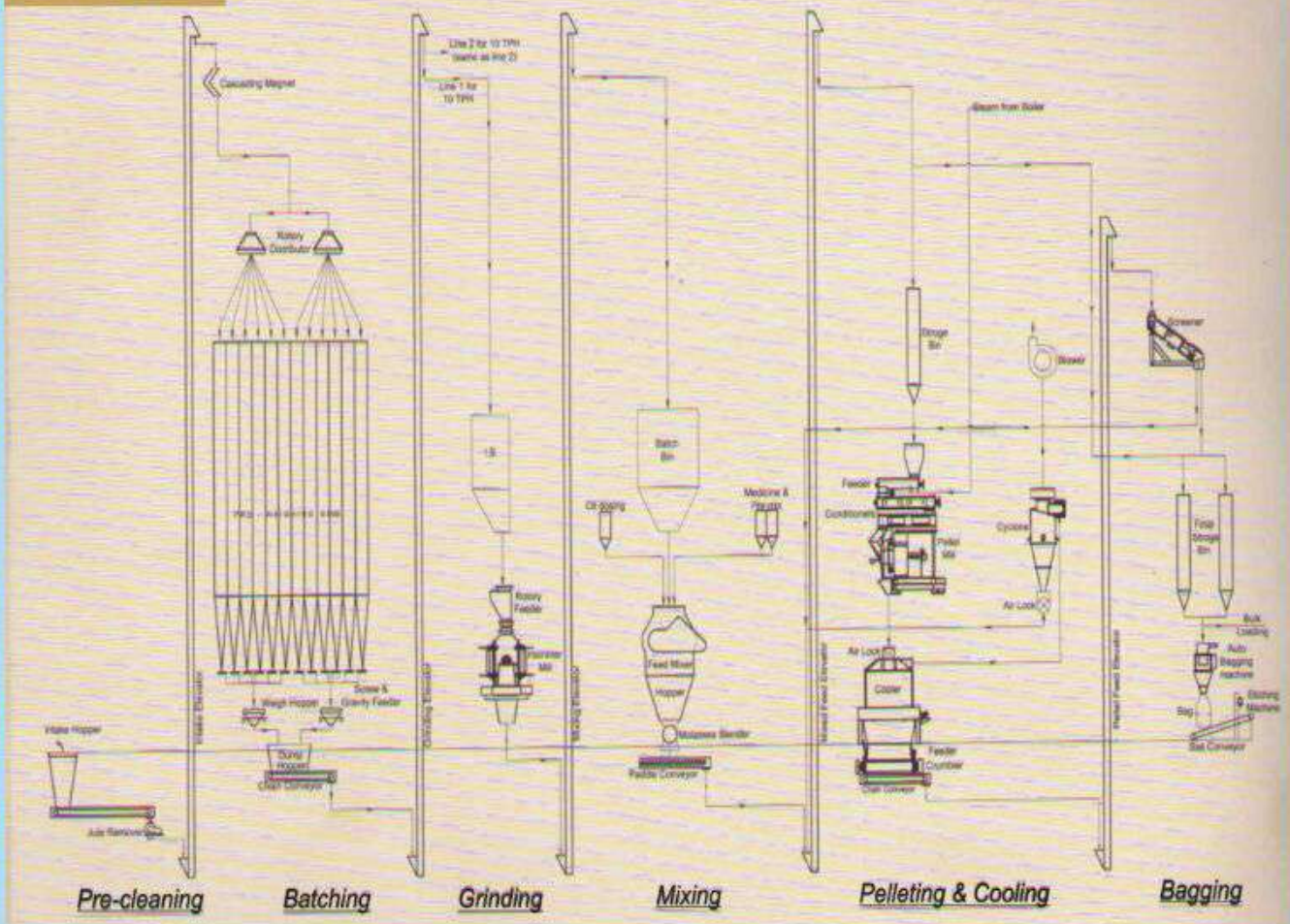


HAMMERS



SCREENS

Process Flow diagram



JK Engg. Co.

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