

MIXER MACHINE

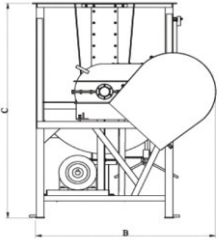
The objective of mixing is to create a completely homogeneous blend of animal feeds and mixer is considered to be the heart of feed milling operation. The need for uniformity in a complete feed is a must in order to satisfy nutritional requirements of the animal to achieve growth, production and good health.

Those associated with animal feed production realize that if feed ingredients particularly micro ingredients such as vitamins, amino acids, trace elements and drugs are not properly blended, overall animal performance will be reduced and wide variation within the group of animals will exist.

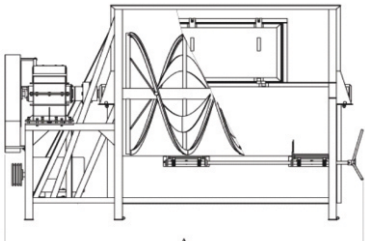
To fulfil the requirement of our customers we have developed the mixer in two designs



Paddle Mixer



Ribbon Mixer



Model	Drum Volume		Power in H.P.	Capacity for feed in kg with 18kg/cuft	All Over Dimensions		
	Cu.ft	Ltr			A	B	C
NAI-5	47.5	1350	7.5	500	2150	880	1200
NAI-10	100	2830	15	1000	2380	1145	1550
NAI-20	166	4700	30	2000	3030	1480	1730
NAI-30	230	6500	50	3000	3700	1550	1955



Ribbon Mixer



Bottom discharge

Hammer Mill

Animal feed consists of different ingredients such as Maize, Wheat, Soya, cakes, DORBC, Rice, etc. to make a balanced diet in terms of proteins, carbohydrates, fats, vitamins, minerals and medicines. These ingredients are need to be reduced to the required particle size to help to achieve to following:

- Expose greater surface area for digesting
- Improve mixing characteristic of ingredients.
- Increase Pelleting efficiency and pellet quality.

So keeping in mind the customer requirement we have developed the following types of hammer mill



Full Circle Hammer Mill

Model	Capacity Kg/Hr.Mixed feed Grinding			Capacity Kg/Hr. Millet grinding	Power (H.P.)
	Starter 4mm	Grower 5mm	Finisher 6mm		
NAI-1619	2500	4000	5500	1800	10 - 15
NAI-1924	6500	8500	11000	4500	20 - 40
NAI-2436	8000	10000	13000	8000	50 - 75
NAI-3136	12000	14000	16000	10000	75 - 120

Half Circle Hammer Mill

Model	Capacity Kg/Hr.Mixed feed Grinding			Capacity Kg/Hr. Millet grinding	Power (H.P.)
	Starter	Grower	Finisher		
NAI-3	250 Kg	500 Kg	650 Kg	200 Kg	3 H.P.
NBI-5	800 Kg	1500 Kg	2000 Kg	500 Kg	5 H.P.
NAI-10	2000 Kg	3000 Kg	4000 Kg	800 Kg	10 H.P.
NAI-20	2500 Kg	3500 Kg	6000 Kg	2200 Kg	20 H.P.

CONVEYORS

Screw Conveyors

We offer our clients a wide collection of Screw Conveyors those are designed in accordance with industry norms. We manufacture and export using high-grade raw material to ensure that these match to international quality standards. These products are available at affordable rates and can be customized as per the client's specifications. Our product range is known for their high energy saving, durability, reliability and easy installation and maintenance. We provide our clients with finest and smooth finishing. It ensures long lasting performance and high tensile strength.



Belt Conveyors

We hold expertise in offering a qualitative range of Feeder Belt Conveyors. Demands of these devices are increasing day by day owing to its application specific design and corrosion resistance. We also provide these in customized specifications following the exact demands of clients.

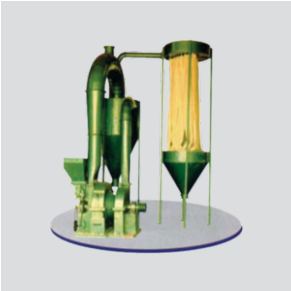


Chain Conveyors

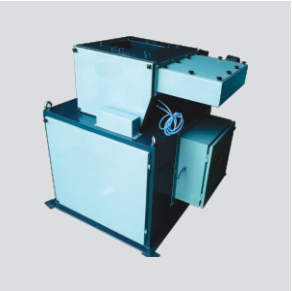
We are a prominent organization engaged in manufacturing, supplying and exporting quality range of Chain Conveyors. The sophisticated manufacturing unit with all the necessary machines & tools allows us to fabricate the equipment as per the international standards of quality.



Pulvizer



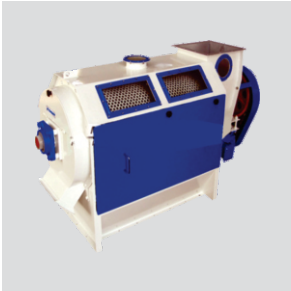
Bagging machine



Rotary Distributor



Pre-Cleaner Machine



Manufacturer & Exporters of

Cattle Feed Plants, Pellet Mill, Mixer Machine, Conveyors & Spare Parts etc.



VIHAANAGRO ENGINEERING PRIVATE LIMITED

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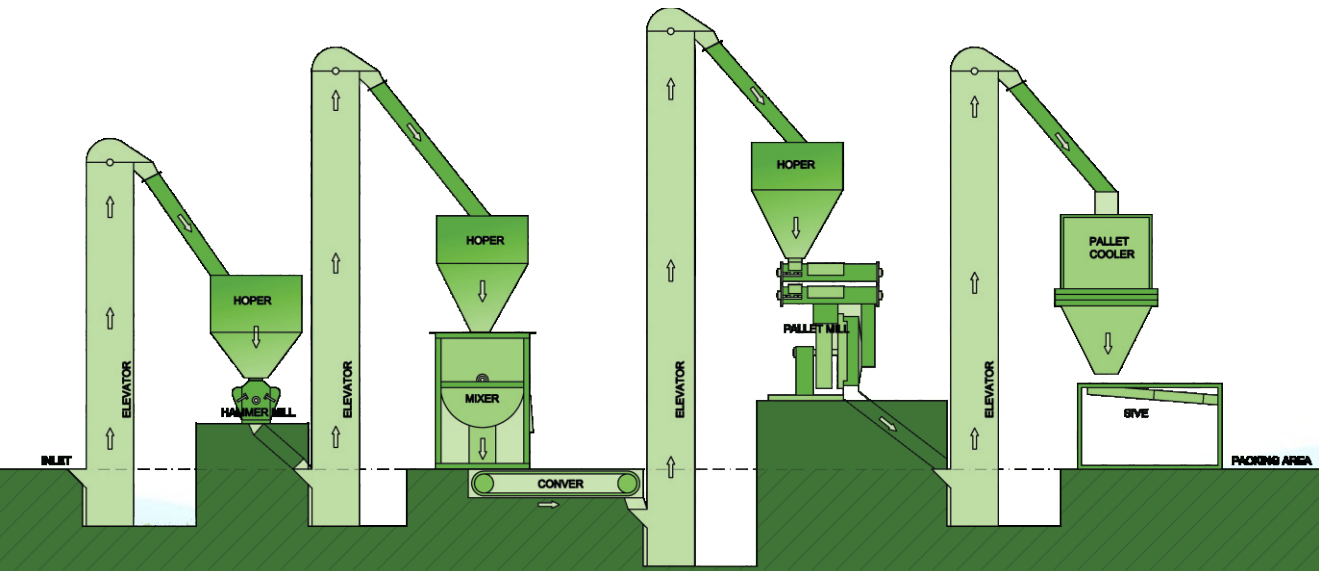
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VIHAAN AGRO

VIHAANAGRO ENGINEERING PRIVATE LIMITED



Manufacturer & Exporters of

Cattle Feed Plants, Pellet Mill,
Mixer Machine, Conveyors & Spare Parts etc.

INTRODUCTION

Vihaan agro Engineering is one of the leading manufacturer and exporters of extensive range of manual, automatic & fully computerized Cattle Feed Plants. We are manufacturing the goods such as Mixer, Rotary Feeder, Crumbler, Bucket Elevator, Conveyors, Vibratory Screens, Dust collector & Chain Conveyor etc.

We provide the clients with customized products as per their requirements. All these factors have helped us cater our assortment to a large client network in national as well as international markets. These are all manufactured in our advanced manufacturing unit that is equipped with sophisticated technology machinery. This unit facilitates us in designing and developing our products as per the requirements of our clients.

Our dedicated technical team is a backbone of our business. We are following the modern technology starting from the design, fabrication and installation to commissioning of machinery. Our Directors motivate the technical team to do the best for quality in our manufactured machines.

▶▶ **We Manufacture & Export :**

- ▶ Cattle Feed Plants

▶ Pellet Mill

▶ Mixer Machine

▶ Hammer Mill/Grinder

▶ Pellet Cooler

▶ Bucket Elevator

▶ Screw Conveyor
- ▶ Vertical Screw Conveyors

▶ Belt Conveyor

▶ Chain Conveyor

▶ Slate Conveyor

▶ Pulverizer

▶ Spare Parts

CATTLE FEED PLANT

We are engaged in manufacturing and supplying of optimum performance Cattle Feed Plants. These plant are being used for production feed for Cattles such as Buffalos, Sheep, horses, cows, Goats etc. These plants are widely appreciated for their sturdy construction and durability. Our plants are specifically designed for application in various ingredients for better and quality feed. We ensure the feasibility of the plant at our end through estimations, contract negotiations and project management. The plant is commissioned on site by our team of competent professionals and engineers. Our complete plant setup is tested to match all the prevailing industry standards.

▶▶ **Types of Cattle Feed Plant**

To Fulfill te requirement of each customer, the following types of Cattle Feed Plants are available.

Manual Cattle Feed Plant (MCFP)	Mash Plant (MP)	Vertical Cattle Feed Plant (VCFP)	Computerized Cattle Feed Plant (CCFP)
Capacity 100 to 1000 Kg/hr.	Capacity 500 to 5000 Kg/hr.	Capacity 2000 to 10000 Kg/hr.	Capacity 2000 to 15000 Kg/hr.
			
Machinery Used :	Machinery Used :	Machinery Used :	Machinery Used :
			
• Hammer Mill • Mixer Machine	• Mixer Machine • Pellet Mill • Hammer Mill	• Ribbon Mixer • FC Hammer Mill • CF Cooler	• Pneumatic Valve • SCADA
• Vertical Screw • Conveyor	• Bucket Elevator	• Vibratory Sieve • Blower • Pellet Mill • Mineral Mixer	• Rotary Distributor • Sylo Block

PELLET MILL

Pelleting is a process in which mixed feed in powder form is converted into pellets by mechanical compression in combination with moisture and heat. Process is achieved by a set of rolls and die of suitable hole size and shape.

Physical Benefits: - improved ease in handling, reduced ingredients segregation, less feed wastage and increased bulk density.

Nutritional benefits: - Decreased feed wastage, reduced selective feeding, decreased ingredients segregation, less time and energy expended on pretension, destruction of pathogenic organism, thermal modification of starch and protein, improved palatability.

Depending on requirement and discharging mechanism, two designs are available:

S. No.	Size (Inches)	Types	Capacity (tone/hr)	Power (HP)
1	16	Vertical	0-1	30
2	20	Vertical	1	50
3	24	Vertical	2-2.25	75
4	26	Vertical	2.5-3	85
5	30	Vertical	3.5-4	125
6	16	Horizontal	2-3	50
7	20	Horizontal	4-5	120

▶▶ **Pellet Cooler**

In Cooler Hot pellets coming out from Pellet Mill are to be cooled near ambient temperature to remove excess moisture and heat to improve the self-life. To solve this we have developed two design of pellet cooler.

▶ **Counter Flow Pellet Cooler (Counter Current Pellet cooler)**

In Counter flow coolers product continuously moves downward direction in a bed of product in “first in first out manner” while cool air passes through product in upward direction. By the time product and air pass each other, they exchange heat & moisture.

S.NO.	Model	Capacity (MT/HOURS)	Motor Power (H.P.)	I.D. Fan's Motor Power
1	NAI-CF-3	2-4	1	5
2	NAI-CF-6	5-7	1.5	10
3	NAI-CF-10	8-11	1.5	15
4	NAI-CF-15	14-16	2	20

▶ **Horizontal Cooler**

S.NO.	Model	Capacity (MT/HOURS)	Motor Power (H.P.)
1	NAI-HC-1	1-2	3
2	NAI-HC-2	2-3	5



Vertical Pallet Mill



Horizontal Pallet Mill

