



STARMAX

agri solutions

INDUSTRIAL FEED MILL SOLUTIONS

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PROUDLY EXPORTING TO 50 COUNTRIES



STAR OF FEED TECHNOLOGY



STARMAX TARIM MAKİNALARI SAN. ve TİC. A.Ş.
TORBALI - İZMİR - TURKEY



Starmax is a 100% manufacturer company with 43 years of experience located in Izmir (Türkiye).

Our company which produces machineries in different fields (feed, biopellet, compact rendering, spices pulverizer), serves its customers with a wide range of products ranging from farm-type solutions to turnkey projects.

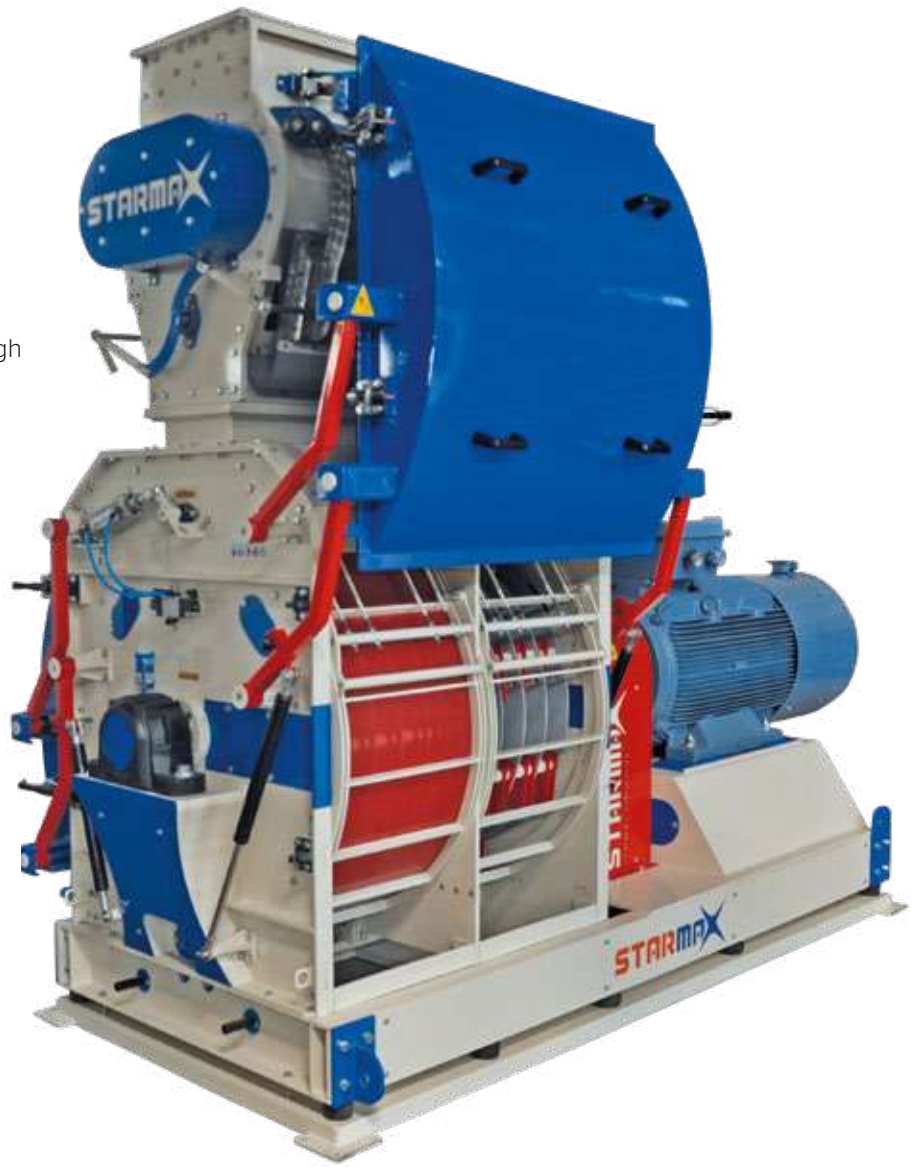
Adopting the principle of customer-oriented work, Starmax is among the leading companies of the sector with its exports spread to 4 different continents. The machines produced by Starmax operate in 50 countries today.

- Turnkey Project Service & Maximum Customer Satisfaction
- Quality Production & Experienced Staff & Strong R&D
- Installation and Training Support
- Spare Parts and Service Warranty



INDUSTRIAL TYPE HAMMER MILL

- Special body design that reduces vibration
- High efficiency provided by increasing the raw material feeding surface
- Sieve and hammer can easily be changed through the new cover design
- Usage of heat-treated hammer and busbar shaft
- Static and dynamically balanced rotor
- Ability to work in two directions on the rotor
- Strong long-lasting bedding system
- Ease of maintenance
- High filter efficiency with special air channels
- Ability to take samples while working
- Capacity options between 5-40 tons/hour



HAMMER MILL FEEDER

- Newly designed counter-rotating drum structure
- Use of speed-controlled motor
- Ensuring equal distribution with product feeding from both sides
- Neodymium auto-cleaning magnet on both sides
- Effective air channels with grilled piston driven cover system



PADDLE MIXER

- Single shaft and instant discharge feature
- Homogeneous mixture with paddle design
- Homogeneous oil injection system
- Ventilation pipe providing pressure balance
- Pneumatic discharge cover with lock-up mechanism
- Direct coupled rotor reducer
- Ease of cleaning and robust construction
- High mixing precision
- Capacity options between 5-40 tons/hour



RIBBON MIXER

- Single shaft and instant discharge feature
- Homogeneous mixture with double wound ribbon type rotor design
- Homogeneous oil injection system
- Ventilation pipe providing pressure balance
- Pneumatic discharge cover with locking mechanism
- Direct coupled rotor reducer
- Ease of cleaning and robust construction



PELLET PRESS

- Strong main body and steel construction
- V-Belt pulley drive, double roller system
- Apparatus for easy disassembly and assembly of dies
- AISI 304 Stainless steel pelletizing cell
- Static and dynamically balanced rotor
- Long-life bearing system against radial forces
- X46Cr13 special alloy steel cast die imported from Europe
- Device that prevents blocking due to overload
- Magnet at the entrance of the pelletizing cell
- Automatic lubrication system
- Special slow disk rotation system
- Automatic roll adjustment mechanism
- Production of pellets of the desired diameter and length



PELLET CONDITIONER

- Ensuring a homogeneous mixture of feed with steam
- AISI 304 stainless steel body and paddles
- Static and dynamically balanced rotor
- Feasibility to adjust the duration of arrearage in the conditioner according to the product
- Internal coating that prevents the product from sticking (optional)
- Large hatches for maintenance and inspection
- Conditioner length and number vary according to the capacity of the pellet machine



PELLET COOLER

- Effective cooling system with three grids, reverse airflow
- Sensor adjustment mechanism according to product temperature
- Transparent observation window
- Homogeneous and rapid cooling
- Hot air aspiration system
- Lower hopper for cooling pellets
- According to the product, the discharge system can be selected as grate or pneumatic flap
- Product temperature and unloading speed can be adjusted according to demand
- Easy assembly with modular body
- Can be manufactured in different cooling volumes and shapes



GRANULATOR (PELLET CRUMBLER)

- Specially designed crusher that enables the pellet feed to be brought to the desired particle size for animals that cannot eat coarse grained feeds.
- Centrifugal cast gear balls with special hardness
- Regular feeding and homogeneous breaking with adjustable feeder
- Possibility of deactivating the machine with the bypass system
- Ability to adjust the roller position according to the desired grain size
- The number, diameter and length of the balls vary according to the capacity



PACKAGING UNIT

SINGLE SCALING BAGGING MACHINE

- Capacity up to 10 tons per hour with single scale bagging
- Feeding the product to the pan via a special belt system
- Warning system against errors
- Automatic weighing error correction
- Weighing accuracy ± 60 gram
- 25 and 50 kg sack filling capacity
- Includes a reciprocating cutter after sensitive weighing
- Includes PLC control and loadcell indicator
- Height adjustable automatic sewing machine or manual sewing machine to sew the sack (optional)
- Belt conveyor and sewing machine work synchronously
- Sack tipping device for easy removal of sacks



DOUBLE SCALING BAGGING MACHINE

- Capacity up to 20 tons per hour with double scale bagging
- Feeding the product to the pan via a special belt system
- Warning system against errors
- Automatic weighing error correction
- Weighing accuracy ± 60 gram
- 25 and 50 kg sack filling capacity
- Includes a reciprocating cutter after sensitive weighing
- Includes PLC control and loadcell indicator
- Height adjustable automatic sewing machine or manual sewing machine to sew the sack (optional)
- Belt conveyor and sewing machine work synchronously
- Sack tipping device for easy removal of sacks

MICRO DOSING (PREMIX UNIT)

- Silos made of AISI 304 stainless steel
- Special pitch spirals made of AISI 304 stainless steel
- Premix dosing according to the production recipe
- Pneumatically controlled dosing hopper
- Precise weighing
- Sealing with actuator valve system



MACRO DOSING UNIT

- Minimum 60° product flow angle
- Data control with loadcell and indicator
- Precise dosing possibility with speed drive
- Ventilation pipe that provides pressure balance at the time of filling and discharging
- Pneumatic cover providing passage to the lower bunker in the weighing process
- Intervention hatches and observation window
- Can be manufactured from different materials and of different volumes
- Fast discharge thanks to pneumatic wagon slider cover after weighing



TURNKEY FEED MILL FACILITIES

- Cattle, Sheep and Dairy Feeds
- Poultry Feeds (Broiler and layer)
- All Grain Groups



DISCS AND ROLLS
IMPORTED FROM EUROPE





PELLET



CRUMBLE



MASH

STAR OF FEED TECHNOLOGY



WE DESIGN CUSTOMIZED TURNKEY PROJECTS FOR YOU



YOUR SOLUTION PARTNER IN FEED PRODUCTION

EXPORTING TO COUNTRIES
50



TURNKEY FEED MILL INSTALLATIONS



43
YEARS OF EXPERIENCE

GLOBAL EXPERIENCE FOR ANIMAL FEED INDUSTRY



PROFLAKE FLAKING MILL PLANT

- Prevention of power loss with the direct coupled system from the geared motor
- Body made of AISI 304 stainless steel
- Two Ø 500x900 mm special flake balls with 55-58 HRC hardness.
- Possibility to work between 0.5 mm and 2.5 mm with the moving ball
- Reading ball approaches with encoder sensor
- Moving bedding and special spring mechanism to prevent the balls from being damaged.
- Observation and access hatches to the vals balls
- Cleaning of vals balls with scraper plates
- Feeding unit made of AISI 304 stainless material
- Equal distribution of the product on the flake balls thanks to its frequency inverter motor and drum rotor with special channels.
- Two powerful magnet plates of 10,000 Gauss

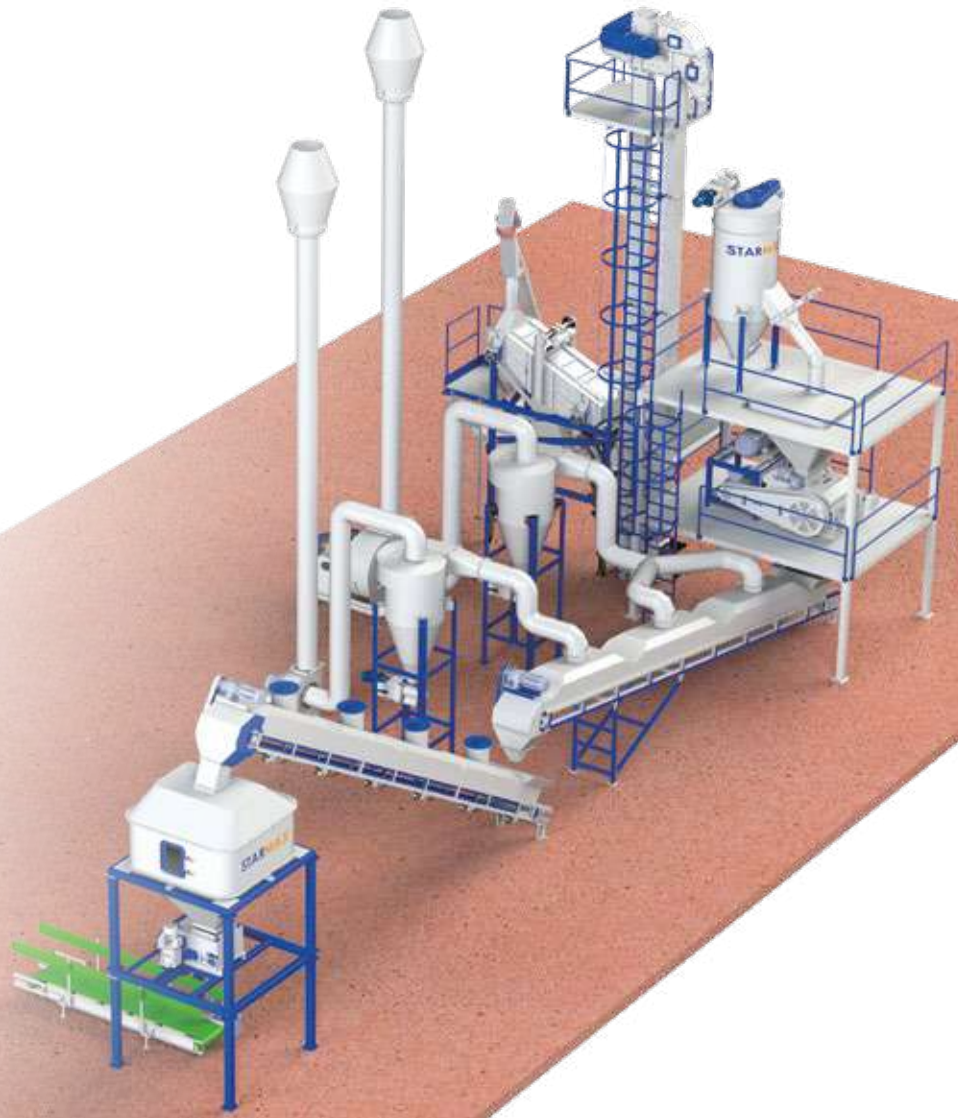


FLAKING MILL PLANT

This flaker mill system is a farm type flake feed production facility with a capacity of 2.5-3 tons per hour.

- Uniform flake quality with minimum investment & maintenance cost
- High quality hardened rolls
- Includes magnets for unwanted iron parts
- Low feed costs & low steam consumption
- Low dust ratio when compared with dry roller systems
- Bagging unit (optional)

**PRODUCE
YOUR OWN
FLAKE
FEED**



AUTOMATED TMR FEEDING CENTER

Save money with automatic feeding systems (AFS)

Automatic feeding systems allow for the increase in frequency of feed distribution with significant advantages in terms of health and production.

Main advantages of TMR feed centers are benefits of frequent feeding, more accurate mixes, higher milk production and higher fertility of cattle, savings on working hours, less labour requirement.

Balanced ration with a accurate feed management

Main criteria in the feeding processes in farms is the operation of preparing the feed ration every day with the same quality and distributing it to farm animals at the exact time. Feeding automation and easy management of feeding process is becoming progressively important in modern dairy farms for productivity of the cows.

Starmax can design a complete feed facility by combining a feed mill system with tmr feed center considering the client's need.



COMPACT TYPE RENDERING & PELLETING FACILITY

SLAUGHTERHOUSE WASTE FACILITY (MEAT-BONE-FISH MEAL-RENDERING PLANT)

- Wastes from slaughterhouses and animal farms (cattle, sheep, chicken waste, bones) are processed first by passing through a bone grinder and then through a compact type rendering unit.
- System works continuously for 24 hours. Meat-bone meal and oil are taken from the system as two separate products. Meat-bone meal obtained may be used as a feed additive for feed mill facilities.
- The useful contents are not damaged since the temperature does not exceed 90°C during drying of the product.
- Odorless process, compact structure and production ability under 90°C are the main advantages.





STAR OF FEED TECHNOLOGY



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