



Profile

Muyang Corporation Ltd is an integrated solution provider of plants, equipment and services, headquartered in Yangzhou, China. After almost 50 years' development, Muyang has grown into a global technology partner for plant, equipment and services in feed manufacturing, grain milling, grain handling and storage, oilseed processing, animal farming, environment protection, food processing, biomass processing, steel structure construction, and industrial automation.

Muyang has over 4,000 employees, including 2,000 technicians and engineers. Backed by its strong R&D, Muyang has developed more than 100 series (800 models) of quality feed and grain processing machines and is capable of delivering all types of turnkey feed mill projects from normal animal feed production lines to high-end extruded aquafeed production lines.

Muyang operates 12 production sites as well as 100 agencies, sales and service stations, and spare parts warehouses all around the world. Muyang has successfully completed more than 4,500 referenced projects in 102 countries. Muyang has exported products to more than 85 countries including Switzerland, Belgium, France, America etc.

Our vision is to become the global leader in machine manufacturing, plant engineering and technical services. We value innovation, hard work, dedication, integrity, quick response and team work.



4500+ referenced projects in **102** countries

Nearly **100** agencies, sales & service stations and spare parts warehouses worldwide closed to customers

12 Production bases, one in Egypt and 11 in China, total **90.56** hectares of manufacturing and distribution capacity

4000+ employees work in sales, customer service, engineering, R&D, production and logistics

700+ patents ended 2013

Equipment is marked by CE and ATEX symbol

Muyang Co., Ltd. changed its brand name to FAMSUN from May 2014 to better illustrate the business it involves and the industry chain it serves.

FAMSUN Story

Blue sky, clear water and healthy grain.

Muyang dreams to build a green and healthy supply chain **from farm to table** together with our customers.

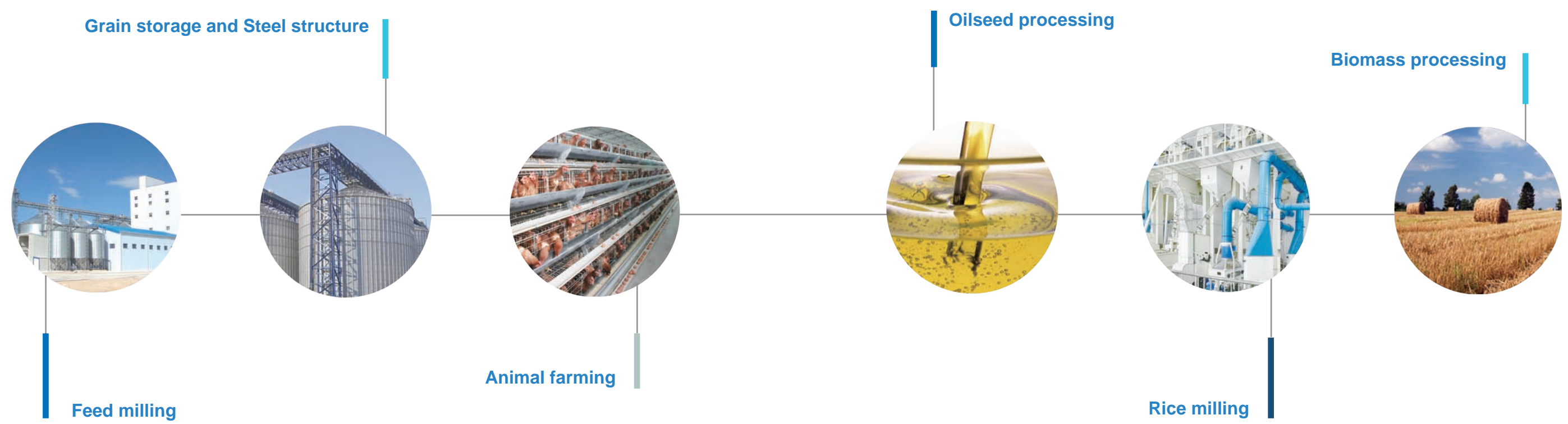
To realize this dream, we will reach beyond the boundary to become an **integrated solution provider**.

FAMSUN is our new brand.

It originates from **famous, farm, family and sun**,

FAMSUN implies integrated solutions for a green and healthy farm-to-table supply chain, and fits into our globalization strategy.

Our Business



“
We are an essential link in the farm-to-table industry chain.
We provide integrated technical solutions and services.
We help feed the future.”

FAMSUN is an integrated solution provider of plants, equipment and services in the farm-to-table industry chain. Our global ability and experience in turnkey project delivery in feed milling, grain logistics and processing, steel structure building as well as industrial automation has helped our customers succeed in their respective markets.

As world’s demand for quality and safe foods grows, food supply chains have become more connected. Most of our customers diversify their businesses and extend to upstream and downstream links in order to boost efficiency, safety and resource sustainability. To meet with customer’s expectations of becoming a single-source supplier,

which shares knowledge, experience and resource, provides convenient, flexible and consistent technical supports to customers and help them grow businesses, we develop our business mainly along the chains where our customers doing business:

- Feed Technology: processing machines and plants for animal feed, aquatic feed, dry petfood and premix;
- Farm Technology: animal houses, feeding systems, farm environmental systems;
- Grain Technology: the storage, drying and conveying of grains, rice milling, oilseed processing as well as the manufacture of breakfast cereals and extruded snacks;
- Others: biomass equipment, steel structure building, plant automation, robotic machines, spare parts, etc.

Customer-oriented R&D

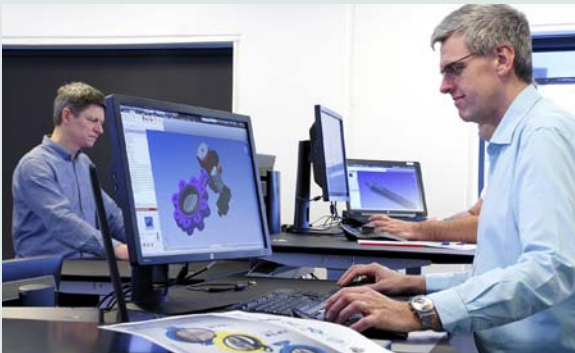
To bring about a technology based company

The success of FAMSUN as a leading solution provider in feed industry resides in its great research and development efforts. Over 700 patents stand testament to FAMSUN R&D innovation power. Since Innovation is the cornerstone of success, in order to maintain its innovation edge in the turbulently changing and intensely competitive market, the company invests an average of more than five percent of all sales annually in basic research and applied development.

With a stand of R&D Institutes in Asia, Europe and America, FAMSUN sophisticated specialists work around the clock in the development of existing products and solutions plus exploiting new terrain and unlock new business fields on the basis of markets analysis, customer needs evaluation and feasibility assessment. Additionally, FAMSUN maintains a close collaboration with other outstanding companies, inventive customers, renowned universities and institutes so as to constantly bring know-how together on technologies and transfer them to customer's facility.

700+

patents were introduced ended 2013



Fundamental test platforms in the new Test Center for feed grinding, mixing, pelleting, raw material extrusion, twin-screw extrusion and drying as well as conveying are enabling FAMSUN to optimize processing line, obtain best production performance, and achieve high quality and safe feed for customers.

Global-covered R&D institutes in Asia, Europe and America;
More than 5% of annual sales be invested in R&D;
About 20% employees work in Research and Development;
700+ patents were introduced ended 2013;
State-of-the-art Test Center for customer-tailored trail test and laboratory analysis.

Muyang Honor

- 2003- China Feed Machinery Research Base
- 2005- China Famous Trademark
- 2006- China Famous Brand Product
- 2009- Post-Doctoral Working Station
- 2010- Key High-Tech Enterprise of National Torch Plan
- 2010- China's TOP 500 Machinery Companies
- 2011- High & New Technology Enterprise
- 2012- China Best Enterprise in Talents
- 2013- National R&D Center for Feed Equipment and Technology



Advanced Manufacturing

Cutting edge technologies to manufacture excellent products

By cooperating with leading manufacturing tool companies, FAMSUN introduces advanced production technologies such as CNC machining centers, welding robots, pipelining production systems, lean manufacturing management, etc. in its workshops, to produce extra precision and high quality for every piece of FAMSUN product from material processing to machining, painting and assembly.



Global Presence

Think globally, act locally.

Since the execution of Go-Global in 1997, FAMSUN has delivered its products and solutions to more than **100** countries around the world. A solid network of **43** local sales and service offices, **32** agencies, **400+** multinational employees and **20+** local partnership companies ensures that our global reach extends around the world and provides a neighborhood link to our customers.

In 2014, we will continue to develop local and global markets in ways that:

- To learn and well know local culture and demand;
- To bring leading technologies and solutions;
- To improve food and nutrition security;
- To share resources what we have;
- To be a reliable partner of local industry;
- To provide training and promote Youth Employment;
- To take up social responsibility.

NORTH AMERICA

MX Guadalajara

EUROPE

RU Moscow
Krasnodar
Lipetsk
PL Warszawa
RO Bucharest

SRB Belgrade
UA Kiev
DK Esbjerg
DE Leverkusen

LATIN AMERICA

BR Sao Paulo
EC Guayaquil
CO Medellin
AR Rosario
VE Valencia

AFRICA

EG Cairo
AZ Algiers
ZA Durban
SD Khartumn
MA Casablanca
NG Lagos
KE Nairobi
ET Addis Ababa

Middle East

SA Riyadh
SY Homs
IR Teheran
TUR Akhisar

ASIA

IN Hyderabad
Dehli
Banglore
Kolkata
ID Jakarta
TH Bangkok
VN HCMC
PH Manila
BD Dhaka
KZ Almuty

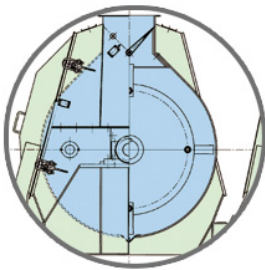
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MAL Klang
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AU Sydney

● Office and service sites
📍 R&D Institute

FAMSUN Grinding Equipment



FAMSUN SFSP132 Series Hammermill



Water-drop shaped grinding chamber



One-step screen hold-down device
Patent No. ZL98 2 42415.9



High-precision dynamic balancing test



Fully-open sliding door
Patent No. ZL98 2 42414.0

The high efficient hammermill for regular normal- and coarse-grinding demands, particularly in feed pre-/post-grinding.

High capacity
Water-drop chamber with W-shaped second time grinding structure and increased large grinding surface, capacity increases up to 25%.

Stable performance
Dynamically balanced high-precision rotor and top hard wear-resistant hammers, stable running, long service life.

Friendly operation
Patented one-step screen holding-down device and fully-open sliding door, easy access and maintenance; CE certified standard design for human & machine safety.

Customized solution
We can offer customized solutions for machine size, feeder, screen, aspiration system, underneath hopper etc.

Model	Rotor Dia.(mm)	Width(mm)	Screen area(m²)	HammerQTY	RPM	Capacity (t/h)	Power(kW)	Air flow(m³/h)	Fan power(kW)
SFSP132x36C/A	1320	360	1.12	44	1480	12-20	75/90/110	3780	11
SFSP132x50C/A		500	1.59	64		22-30	110/132/160	5400	15
SFSP132x75C/A		750	2.35	84		36-45	200/220/250	8100	22
SFSP132x102C/A		1020	3.21	124		46-65	250/315/355	10800	30

Note: Grinding corn (moisture content≤13%, bulk density≥700g/l) with φ3.0mm screen.

FAMSUN SWFP Series Fine-Grinding Hammermill



Patented axial air inlet



Widened grinding surface



U-shaped step grinding structure



Fully-open sliding door

Specialized for the fine grinding of pre-crushed various brokens in feed, food and oilseed industries.
Pre-broken coarse initial materials like cereal grains, oil cakes and meal in particular.

High capacity
Patented axial air inlet and water drop shaped step grinding structure and tuning technology for optimal grinding; widened grinding surface (1.5 times of normal), capacity increase 25% possible.

Stable performance
Rigid structure, optimal hammer arrangement and dynamically balanced high-precision rotor, stable running and low noise; reversible rotation, long service life.

Friendly operation
Patented one-step screen hold-down device and fully-open sliding doors, easy access and maintenance; CE standard design for human & machine safety.

Customized solution
We offer customized solutions for machine size, feeder, screen, aspiration system, underneath hopper etc.

Model SWFP	Rotor Dia.(mm)	Width(mm)	Screen area(m ²)	HammerQTY	Tip speed(m/s)	RPM	Power(kW)	Capacity(t/h)	Air volume(m ³ /h)	Fan power(kW)
66x80D	660	800	1.43	96/144	102	2970	90/110	6~10	5400	22
66x100D		1000	1.97	128/192	102		132/160	12~16	8000	30
66x125D		1270	2.25	160/240	102		160/200/220/250	14~27	10000	30/37

Note: Grinding pre-broken corn (moisture content <14%) with 1.0 mm screen.

Highly efficient pulverizer for ultra-fine grinding of raw materials in aquafeed, pet food and feed production. Grinding more value out of your raw materials.

High energy efficiency
Redesigned convex cover and aspiration system to diminish resistance, avoid over-grinding, facilitate discharge and reduce power consumption.

Increased capacity
Thanks to the innovative guiding to grind technology, output of the pulverizer(132 kw) is increased by 10-15%.

Good product quality
Optimal grinding chamber and aspiration transport ensures a low temperature grinding without nutrient degradation.

Low maintenance
No sieve furnished, and wear parts with a longer service life, resulting in less maintenance required.

Model	SWFL130F	SWFL110C
Capacity (t/h)	4.5-9.0	2.5-4
Power (kW)	132/160	110

Note: For grinding high-grade aquafeed with 95% product passing through 80-mesh screen.



FAMSUN SWFL Series Ultra-fine Pulverizer

FAMSUN SWFP66×100XM Hammermill



High-efficient hammermill specialized for grinding wheat in feed and food industry.

Intelligent design for efficient and high capacity grinding

Optimum impact frequency and hammer arrangements ensure maximum and precise material contact for proper and efficient particle size reduction. Unique dehulling technology.

Low vibration means less noise, less wear and low maintenance

Quiet operation contributes to more pleasant working environment. Low vibration and robust design stand for long lifetime and reduction in maintenance.

Excellent cost-efficient solutions through economical and compatible design

Perfectly integrated into existing grinding process without costly building and process modification works. Interchangeable spare parts design makes maintenance easy and cost-efficient.

Model	SWFP66×100XM (132/160kW)		
Screen hole (mm)	Φ2.0	Φ2.5	Φ3.0
Capacity (t/h)	10~15/13~18	14~18/18~23	17~21/21~26
Power consumption (kW·h/t)	9~13	7~9.5	6.5~8

Note: It is recommended to grind wheat for livestock & poultry feed with Φ2.5mm screen and to primary grind wheat for aquafeed with Φ2.0mm screen.

FAMSUN SFSP112 Series Hammermill

High efficient hammermill for the coarse-and normal-grinding in feed mills, biofuel, distilleries, food factories, edible oilmills etc.

High capacity

Water-drop shaped chamber with W-shaped second time grinding structure, optimal hammer arrangement and screen with adjustable tip system for high grinding efficiency.

Stable performance

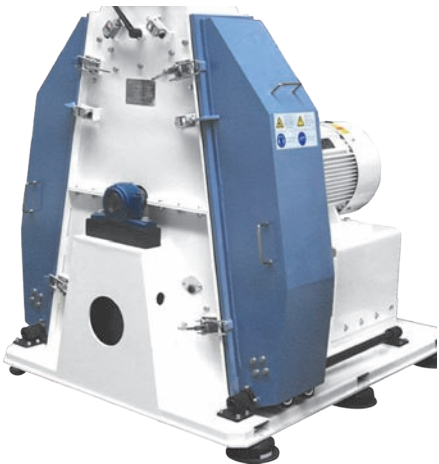
Dynamically balanced precision rotor and reinforced wear-resistant hammers, stablerunning; reversible rotor, long service life.

Friendly operation

Patented screen carriage with one-step screen hold-down device and fully-open sliding door, easy access and maintenance; CE certified standard design for human & machine safety.

Model	SFSP112×30C/B	SFSP112×40E	SFSP112×60E	SFSP112×80E	SFSP112×110E
Power (kW)	55/75	75/90/110	110/132/160	200/220/250	250/315/350
Capacity (t/h)	6-12	12-20	22-30	36-45	46-65

Note: corn.



FAMSUN SFSP56P Series Hammermill

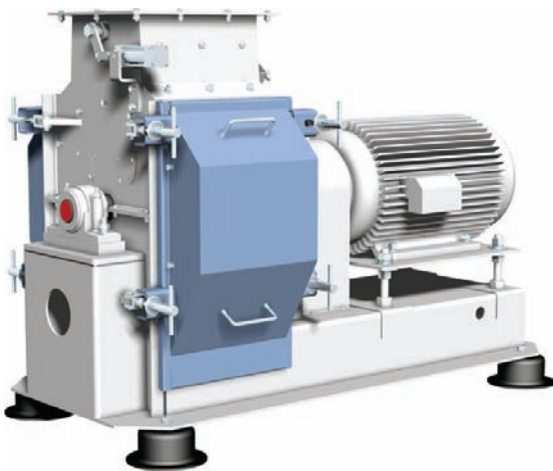
The hammermill featuring low speed, specialized for layer feed production.

Available of low speed configuration and double speed configuration. Optimal hammer arrangement, increased capacity. Reversible rotor, prolonged service life. CE standard design for human & machine safety, safer and more reliable.

Model	SFSP56×60P	SFSP56×80P
Power (kW)	22	37
Capacity (t/h)	8.0 screen (crumbling)	17-22
		25-32



FAMSUN SFSP56C Series Hammermill



Our classic hammer mill has proven long time and stable performance in feed mills all over the world.

Model	Power (kW)	Capacity (t/h)
SFSP 56x40C	30/37	4-6

Note: Grinding corn (moisture content ≤14%, bulk density ≥690g/l) with Ø3.0mm perforated screen.

FAMSUN TWLY Series Impeller Feeder



Classic feeder for hammermill in grain & oilseed processing plants, feed mills and food factories.

Suitable for feeding granular and powdery materials.
Variable frequency enabling continuous feeding rate adjustment.
Magnets for metal removing.
Sealing at shaft ends, long service life ensured.
Adjustable gap between baffle and feeding roller.

Model	TWLY 20x30	TWLY 20x44	TWLY 20x60	TWLY 20x75	TWLY 20x80	TWLY 20x100	TWLY 25x30	TWLY 25x44	TWLY 25x60	TWLY 25x75	TWLY 25x80	TWLY 25x102	TWLY 25x110	TWLY 25x125
Capacity (t/h)	2.5-9	4-15	5-20	7-25	7.5-26.5	10-30	9-22	15-32	20-45	25-55	25-60	30-75	35-80	40-90
Power (kW)	0.75	0.75	1.1	1.1	1.1	1.5	1.1	1.5	1.5	1.5	1.5	2.2	2.2	2.2

The values of productivity are calculated based on corn with bulk density of 720kg/m³ and motor working frequency within 20-80 HZ.

FAMSUN SPSC Series Crusher



High-performance toothed crusher for processing various large seedcakes in the oilseed processing industry and the fertilizer industry.

Model	Power (kW)	Capacity (t/h)
SPSC23x85	15	80
SPSC23x100	15	100
SPSC50x120	55	240

Direct drive delivers outstanding energy efficiency

The direct drive system through resilient coupling ensures lowest maintenance requirements and less energy consumption.

Modular construction for high-flexibility and user-friendly operation

Modular crushing chamber enables maximum accessibility to the modular rotor and discharging frame, making quick and easy changes possible.

High operating reliability increase plan up-time

Smart reversible rotor concept significantly extends the service life of tooth tip and discharging frame, allowing for less maintenance and longer machine uptime.
Durable hardened crossing rods deliver efficient production capacity with minimum maintenance and downtime.

FAMSUN SWLJ Series Magnetic Drum Type Feeder



An ideal solution for feeding material to various types of grinding mills.

Ingenious design for high product quality

Optimized magnetic drum design eliminates ferro irons mixed in materials.

Wide throughout range due to adjustable feed rate

The feeding rate can be adjusted by manual coarse adjustment and variable frequency motor micro-adjustment, allowing for a wide throughout range, fast and easy feed rate changes.

Excellent performance, the right choice

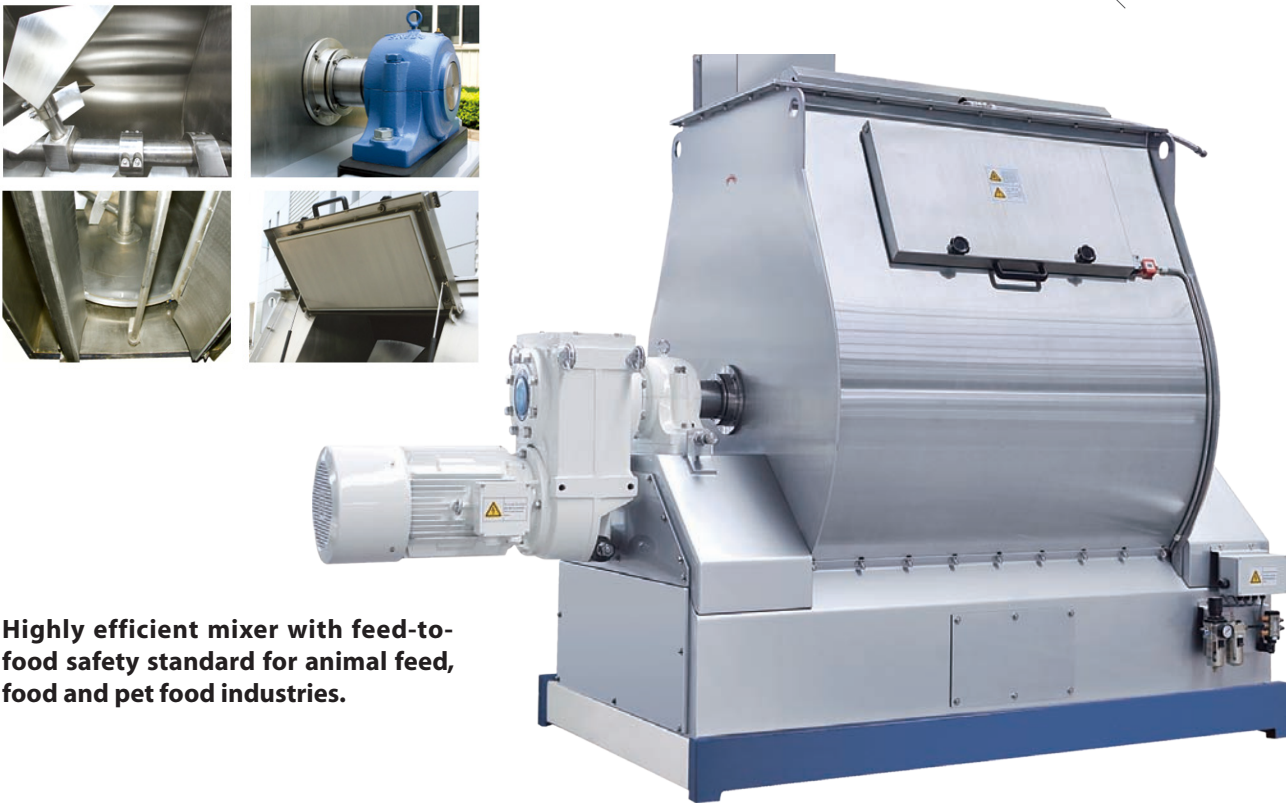
The equipment features reliable operation, high capacity, consistent material feed, ease of maintenance etc.

Model	SWLJ40A	SWLJ55	SWLJ80A
Capacity (t/h)	8-21	11-29	16-42
Power (kW)	1.1	1.1	1.5

The values of conveying capacity are calculated based on corn with bulk density of 720kg/m³.

FAMSUN Mixing Equipment

FAMSUN SJHS Series Double-Circle Paddle Mixer



Highly efficient mixer with feed-to-food safety standard for animal feed, food and pet food industries.

High homogeneity
Patented double-circle paddle rotor, mixing homogeneity $\geq 97.7\%$ (i.e. $CV \leq 2.3\%$).

Hygienic design
Optimized paddle-to-wall gap and fully open discharge doors, no residue, no contamination; unique air-sac seal, no leakage; optional corrosion-resistant steel design.

Easy maintenance
Large access door for cleaning and maintenance, time saver.

High efficiency
High mixing homogeneity with short dry mixing (60s~90s per batch) and discharging time.

Model	Power (kW)	Capacity(kg/bat)	Volume (m ³)
SJHS0.2A	2.2/3	100	0.2
SJHS0.5B	5.5/7.5	250	0.5
SJHS1B	11/15	500	1
SJHS2C	18.5/22	1000	2
SJHS3	30/37	1500	3
SJHS4A	37/45	2000	4
SJHS6A	55	3000	6
SJHS8	37x2	4000	8

Note: Liquid addition possible, 3% maximum.

FAMSUN SLHSJ Series Twin-Shaft Paddle Mixer

Highly efficient mixer for most industrial blending applications, premix / additive / feed in particular.

Wide application
Suitable for various blending applications such as premix, additive, feed, food cement, chemical and pharmaceutical industries.

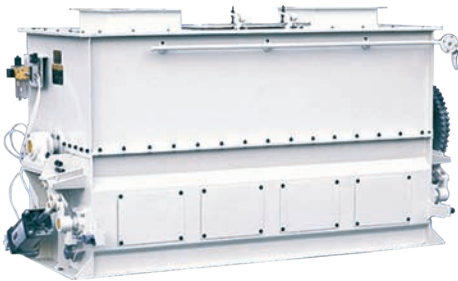
Stable and efficient
Low speed and gentle mixing, stable running and no segregation; High homogeneity ($CV \leq 3\sim 5\%$) with short dry mixing (60~90s) and discharging time.

Hygienic design
Fully-open bomb doors and W-shaped trough plus unique air-sac seal, momentary discharging, minimum residue, no leakage; optional stainless steel design.

Ease maintenance
Large access door and optional air-clean device, ease of cleaning and maintenance.

Model	SLHSJ 0.1A	SLHSJ 0.2A	SLHSJ 0.5A	SLHSJ 1A	SLHSJ 2A	SLHSJ 3A	SLHSJ 4W
Power(kW)	2.2	2.2	5.5/7.5	11/15	18.5/22	22	30/37
Capacity (kg/bat)	50	100	250	500	1000	1500	2000
Volume (m ³)	0.1	0.2	0.5	1	2	3	4
Remark	The capacity is based on a material bulk density of 0.5t/m ³ .						

Model	SLHSJ 7A	SLHSJ 7B	SLHSJ 8A	SLHSJ 8B	SLHSJ 10A	SLHSJ 10B	SLHSJ 12	SLHSJ 16
Power(kW)	45	22x2	45	30x2	55	30x2	37x2	45x2
Capacity (kg/bat)	3000	3000	4000	4000	5000	5000	6000	8000
Volume (m ³)	7	7	8	8	10	10	12	16
Remark	The capacity is based on a material bulk density of 0.6t/m ³ .							



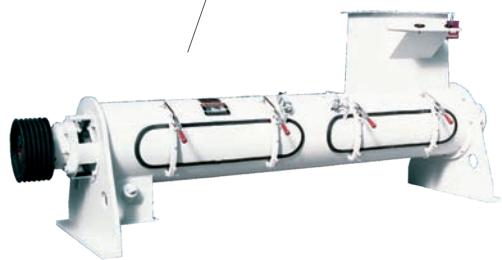
FAMSUN SLHY Series Horizontal Ribbon Mixer

Batch mixer suited for blending dry, free-flowing ingredients in feed, food, chemical and pharmaceuticals industries.

Optimal rotor structure, even fill of the mixer and no death corner.
Mixing homogeneity: $CV \leq 7\%$, mixing period: 3~6 min.
Capable of fat application.
Return air chute furnished for internal and external pressure balancing.

Model	Power (kW)	Capacity(kg/bat)
SLHY1C	11	500
SLHY2.5C	15	1000
SLHY5C	30	2000
SLHY7.5C	37	3000
SLHY10C	55	4000
SLHY12.5	55	5000

FAMSUN STHJ Series Molasses Mixer



Specialized for mixing molasses in powdery materials

Optimal rotor structure and adjustable gap between paddle and trough.
Reasonable access door, ease of cleaning.
Mixing homogeneity: CV<10%, maximum molasses application ratio: 20% possible.

Model	STHJ30×200A	STHJ35×200A	STHJ40×250A	STHJ50×275A	STHJ70×300A
Capacity (t/h)	10-15	15-20	20-25	25-30	35-40
Power (kW)	15/18.5	22/30	30/37	37/45	45/55

Note: 1. Product Density=500kg/m³
2. Liquid inclusion rate depends on absorption of product.

FAMSUN SYTC Series Scale Type Liquid Adding System

Load-cell weighing plus automated control, precise and reliable.
Widely used for adding cohesive liquid such as molasses, fat/oil, phospholipid, etc. into a batch mixer.

Model	Adding Rate (kg/min)	Power (kW)	Adding Precision (%)
SYTC50	50	2.2	0.5
SYTC100	100	3	0.5
SYTC150	150	5.5	0.5
SYTC200	200	5.5	0.5



FAMSUN SSTZ60 Water Adding System



Automated metering and optional temperature control, precise and easy.
Capable of dosing water into feed processing machines such as mixer, pellet mill and extruder.

Model	Adding Rate (kg/min)	Power (kW)	Adding Precision (%)
SSTZ60	≥60	4	<1

FAMSUN STTZ Series Molasses Adding System

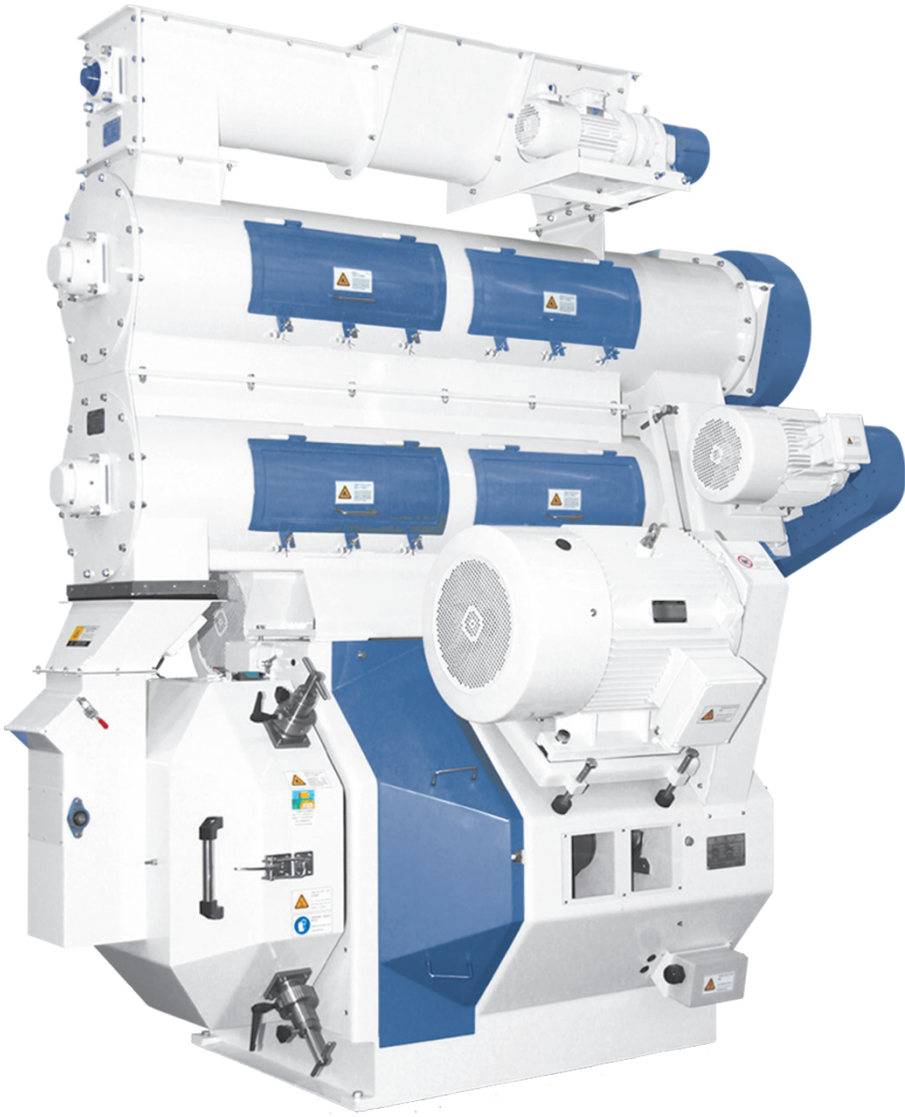
Automated metering control, precise and reliable.
Widely used for adding molasses into a mixer and/or a pellet mill.

Model	Adding Rate (L/h)	Power (kW)	Adding Precision (%)
STTZ60	70-1500 L/h	5.5+5.5+0.75	≤2
STTZ350	360-4500L/h	5.5+5.5+1.5	≤2
STTZ60H	60kg/bat	4+4+0.75	≤1



FAMSUN Pelleting Equipment

FAMSUN MUZL600/1200 Pellet Mill



■ Timing belt ■ Unique triple-roller structure ■ Available with an imported hydraulic overpower protection device ■ Provided with a convenient ring die hoisting device

Highly efficient pellet mill for poultry feed, livestock feed and aquafeed production.

High efficiency
Stable two-motor timing belt drive, large torque but low noise; optimized area-to-power ratio of ring die, maximum output; triple rollers and cutters and stable production.

Hygiene and safety
CE certified standard design and available stainless steel conditioner for feed, human and machine safety.

Flexible production
Wide product range: $\Phi 1.5\text{mm} \sim \Phi 12\text{mm}$ pellets; conditioner with molasses and steam adding function.

User-friendly operation
Hydraulic system for die change and roller adjustment (optional), quick and precise operation; auto-lubrication system (optional) and die & roller lifting device, saved labor; on-site touch screen control.

Model	Ring die		Roller number	Main motor power(kW)	Feeder motor power(kW)	Capacity (t/h)
	Inner Dia. (mm)	Pelletizing width (mm)				
MUZL600	$\Phi 550$	170	3	55x2/75x2	1.5/2.2	12-16
MUZL1200	$\Phi 650$	175	3	90x2/110x2	2.2	16-27
MUZL1200A	$\Phi 650$	220	3	110x2	2.2	16-25

FAMSUN MUZL 10 Series Pellet Mill



Highly efficient pellet mill for poultry feed and aquafeed processing.

High efficiency

Optimized area-to-power ratio of ring die, maximum output; 2-motor belt-drive featuring smooth running and low noise, optimal energy efficiency.

User-friendly operation

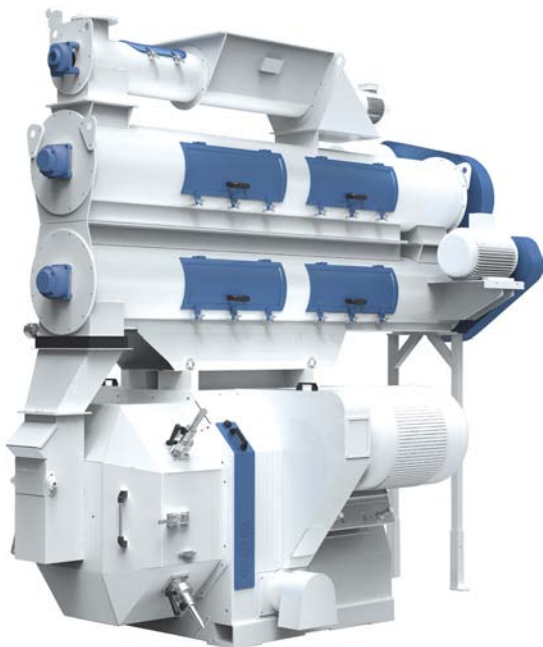
Wide product range: Φ2.0mm~Φ10mm pellets (optional); hydraulic die change and automatic roller adjustment, quick and precise operation, low labor intensity; hygienic and CE standard design for feed, human and machine safety; fully-automatic control.

Good pellet quality

Efficient conditioner, excellent pellet formability and durability; patented adjustable cutter.

Model	MUZL610	MUZL1210C	MUZL1610C	MUZL2010C
Main motor power (kW)	75x2	90x2/110x2	132x2/160x2	180x2/200x2
Feeder motor power (kW)	1.5/2.2	2.2	2.2	4
Capacity (t/h)	12-16	16-25	20-30	30-40
Inner Dia. of Die (mm)	Φ520	Φ630	Φ800	Φ935
Pelletizing width (mm)	180	200	220	270
Roller number	2	2	2	2

FAMSUN SZLH Series Pellet Mill (V4/V6)



High-efficient pellet mill for producing feed for poultry and pigs.

Distinguished pelleting stability

Unique double-timing belt driving and cooling system for motors output same torque simultaneously, sectional ring die clamber for fixing ring die onto rotor firmly, widened supporting area of main shaft as well as wearing reduction designed working parts, are all enabling long-time stable production.

Superior pellet quality

Conditioning system (optional) DDC Conditioner and/or STZW Hygienizer for longer retention time and more beneficial to gelatinization and sterilization of feed, contributing to consistent top quality products. Pellet size ranging from Φ2.0mm to Φ10.0mm.

High output

Optimized feed-to-pellet deflector structure, widened ring die working area (+15~25%) to enable consistent high output and low energy consumption.

User-friendly

Hydraulic system for die change and roller adjustment, quick and precise operation; auto-lubrication system and die & roller lifting device, saved labor; overload protection and door protection for human and machine safety.

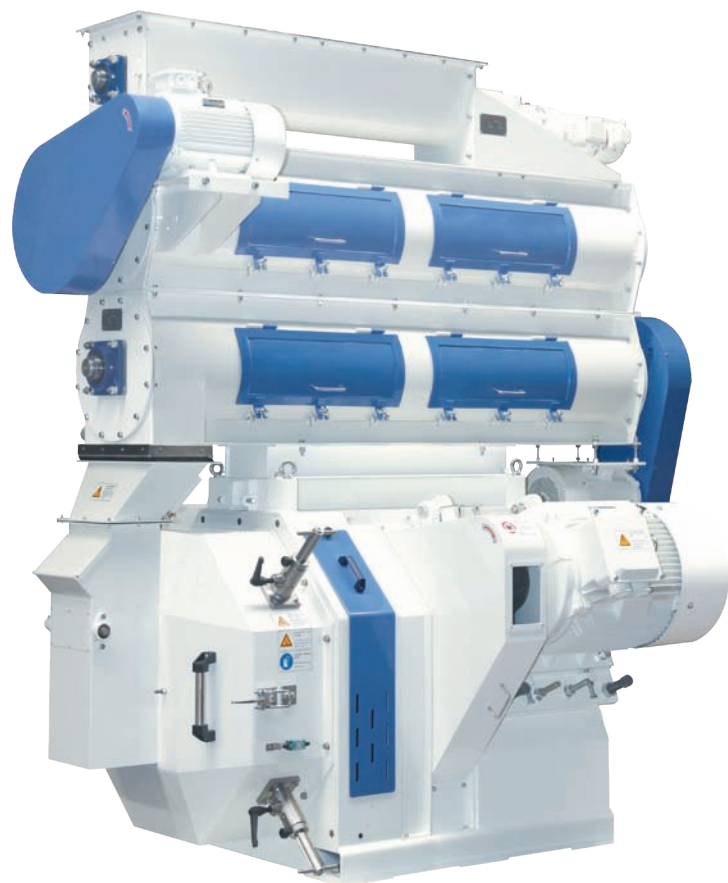
Customized solution

Optional of different conditioners and different ring die mounting patterns to meet different production demands.

Model	Ring die		Roller number	Main motor power (KW)	Feeder motor power (KW)	Capacity (t/h)
	Inner dia. (mm)	Pelletizing width (mm)				
460x160 (V4)	Φ460	160	2	55x2	1.5	8.0~14.0
550x200 (V6)	Φ550	200	2	75x2	1.5	12.0~20.0

Note: Above data refers to broiler feed production with Φ3.0mm die holes.

FAMSUN MUZL 350/420 Pellet Mill



Time-tested pellet mill for processing feeds for livestock, poultry and fish.

Power drive system for optimal energy efficiency
The robust two-motor belt-drive system allows for smooth operation, low noise and optimal energy utilization. The improved drive system simplifies maintenance.

Cost-efficiency alternative thanks to small footprint, excellent performance
Superior compact design extremely slashes investment cost, enabling further line capacity expansion. Low operation cost thanks to easy maintenance, resulting in increased up time.

Customer-oriented design
The optionally available die lift for the installation of ring die allows quick die change to the specific needs of the customer.

Model	MUZL350	MUZL420
Main motor power (kW)	30x2	55x2
Capacity (t/h)	2-6	6-12
Inner Dia. of Die (mm)	Φ350	Φ420
Roller number	2	2
Feeder motor power (kW)	0.75	1.5
Pellet size (mm)	Φ2-Φ10	Φ2-Φ10

FAMSUN MUZL X Series Pellet Mill

High-efficient pellet mill for shrimp feed production.

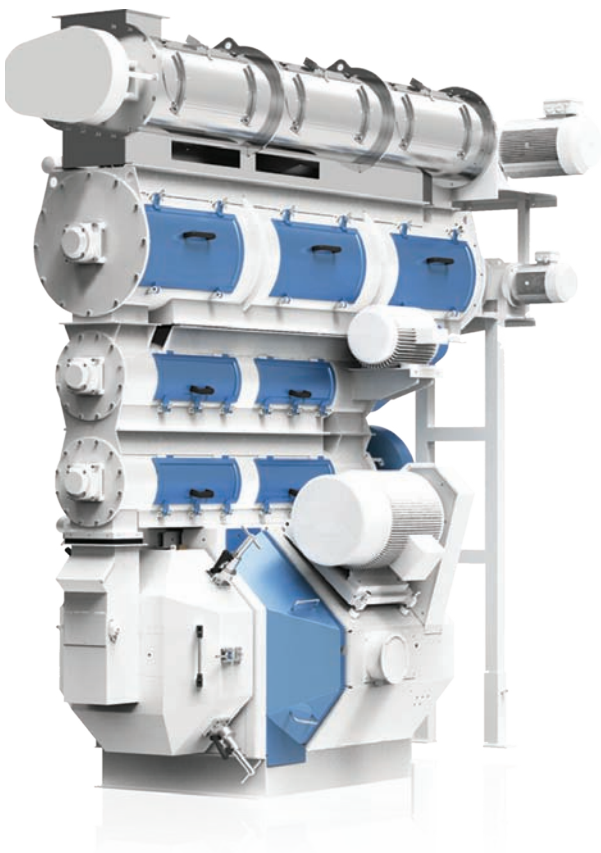
Functional conditioner
Novel multi-pass functional conditioner for long retention time. It consists of pre-conditioner for mixing material and steam intensively, keeper for long time heat preservation to promote gelatinization, breaker to further unify feed mash structure, and the last-pass conditioner to ensure consistent and uniform discharge.

Superior pellet quality
Thanks to the functional conditioners, conditioning times are lengthened to more than 5mins, which contributes to sufficient mixing and gelatinization and resulting in hygienic and consistent good quality of shrimp feed. Pellet size ranging from Φ1.2mm to Φ2.5mm, Starch gelatinization ≥45%.

High output
Optimized feed-to-pellet deflector structure, widened ring die working area(+15~25%) to enable consistent high output and low energy consumption.

User-friendly
Optional hydraulic system for die change and roller adjustment, quick and precise operation; auto-lubrication system and standard die & roller lifting device, saved labor; on-site touch screen control.

Model	MUZL1200X	MUZL600X ⁺	MUZL420X	MUZL350X
Main motor power (kW)	90x2	55x2	45x2	30x2
Capacity (t/h)	4.5~5.5	3~4	2~2.5	1~1.5
Inner Dia. of Die (mm)	Φ650	Φ550	Φ420	Φ420
Roller number	3	3	2	2
Feeder motor power (kW)	2.2	2.2	1.5	1.5



Shrimp feed pellets in different sizes



FAMSUN Conditioning Equipment

FAMSUN STZW Series Hygienizer



Made of stainless steel, corrosion resistant.
Special rotor and paddle structure, long retention time and minimum residue.
Jacketed cylinder for heat preservation, more beneficial to ripeness and sterilization of materials treated.

Model	STZW60x40	STZW70x46
Power (kW)	7.5+5.5	11+5.5
Capacity (t/h)	10-20	18-28
Retention time (s)	75-150	75-150

FAMSUN SBTZ Series DDC Conditioner



Made of stainless steel.
Long retention time: 60~90 s.
High gelatinization: 45~50%.
Large side access door design for easy cleaning and maintenance.

Model	SBTZ10	SBTZ28	SBTZ33C	SBTZ39	SBTZ45
Power (kW)	3	15	18.5	22	30
Capacity (t/h)	0.3-0.5	7-12	9-18	10-25	15-35

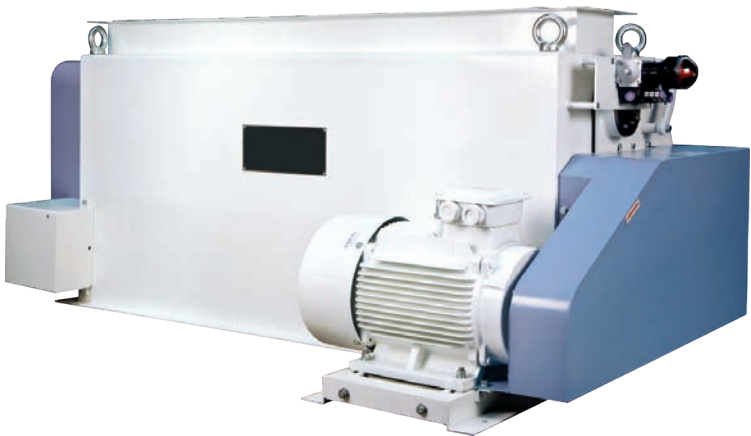
FAMSUN Lab-size Pellet Mill



Mono roller and small inner diameter of die. Available with die openings varied from Ø2mm to Ø12mm, satisfying different experimental designs' requirements.
Furnished with a stainless steel DDC conditioner, high-efficient conditioning achieved.
Automatic control, precisely controlled adding rate and convenient data recording.

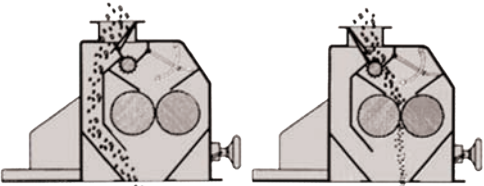
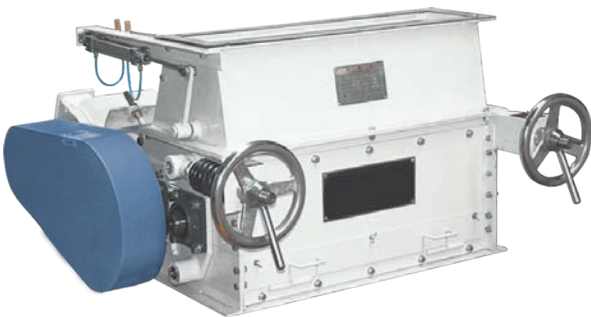
Model	MUZZL180
Power (kW)	7.5
Capacity (t/h)	0.05-0.2
Inner Dia. of Die (mm)	Φ180
Roller number	1

FAMSUN MUSL Series Crumbler



The most cost effective machine to produce small pellet feed for poultry, livestock and aquatic animals.

Material guiding design (optional) and adjustable roller gap for more flexible crumbling process, achievable pellet size as small as 0.8mm~1.5mm.

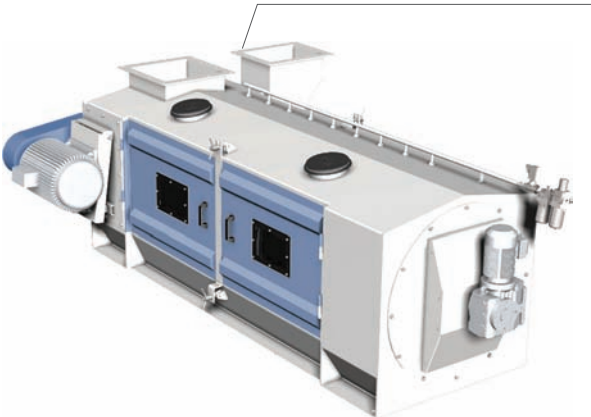


Model	MUSL20x80	MUSL24x110 II	MUSL24x165 II	MUSL24x110	MUSL24x110X	MUSL24x165	MUSL30x180	MUSL30x180X	MUSL30x180 II
Main motor power (kW)	7.5	11+1.5	15+1.1	11	7.5+1.1	15	22	22+1.1	22+1.1
Capacity (t/h)	5-8	10	20	10	2-4	20	22	4-8	22
Remark	2 rolls	3 rolls	3 rolls	3 rolls	3 rolls	3 rolls	3 rolls	3 rolls	3 rolls

Note: X represents the special crumbler for shrimp feed.

FAMSUN Sifting Equipment

FAMSUN SXFQ Series Ultra-fine Sifter



Suitable for grading and cleaning fine powdery materials in feed, flour, food and chemical industries.

Possible of grading fines above 30 mesh.
Air-jetting device for cleaning.
Rotated drum for enlarging effective sifting area.

Model	SXFQ60	SXFQ75
Power (kW)	11+0.37	15+0.55
Capacity (t/h, 40 meshes)	2-3	3-5

FAMSUN SFJZ Series Vibrating Sifter

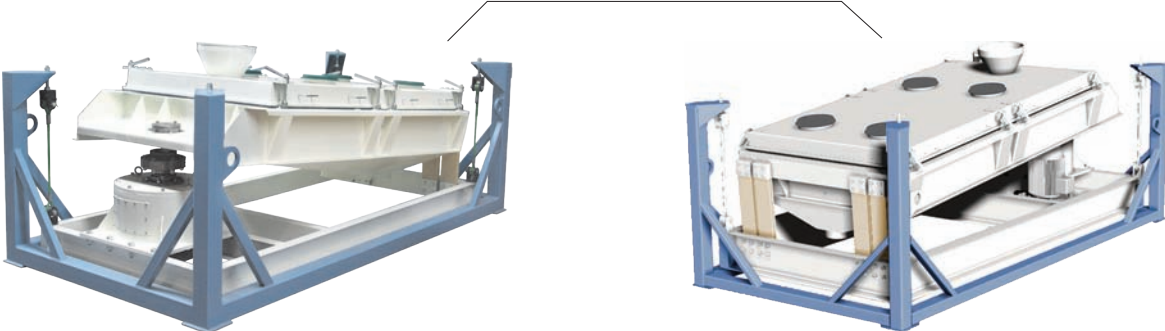


The classic sifter for finished product in a pellet feed line.

Compact structure.
Adjustable vibrating and low noise.
Function of quick screen changing.

Model	SFJZ100x1	SFJZ100x2	SFJZ150x2	SFJZ150x2B
Capacity (t/h)	4-10	4-10	20-25	30-40
Power (kW)	0.2x2	0.2x2	0.55x2	0.55x2
Vibrational frequency (Hz)	960	960	960	960

FAMSUN SFJH Series Rota-shake Sifter



Suitable for the cleaning and grading treatment of powdery and granular materials or products in feed mills.

Balance weight, suspended elastic support, swing design and low noise.
Easy change of screen.

Double-deck sifter, B type

Model	SFJH80x2B	SFJH110x2B	SFJH130x2B	SFJH140x2B
Capacity (t/h)	Pellet 8-10	10-13	14-18	20-22
	Mash 6-8	8-10	12-15	15-18
Power (kW)	2.2	3	3	4

Double-deck sifter, C type

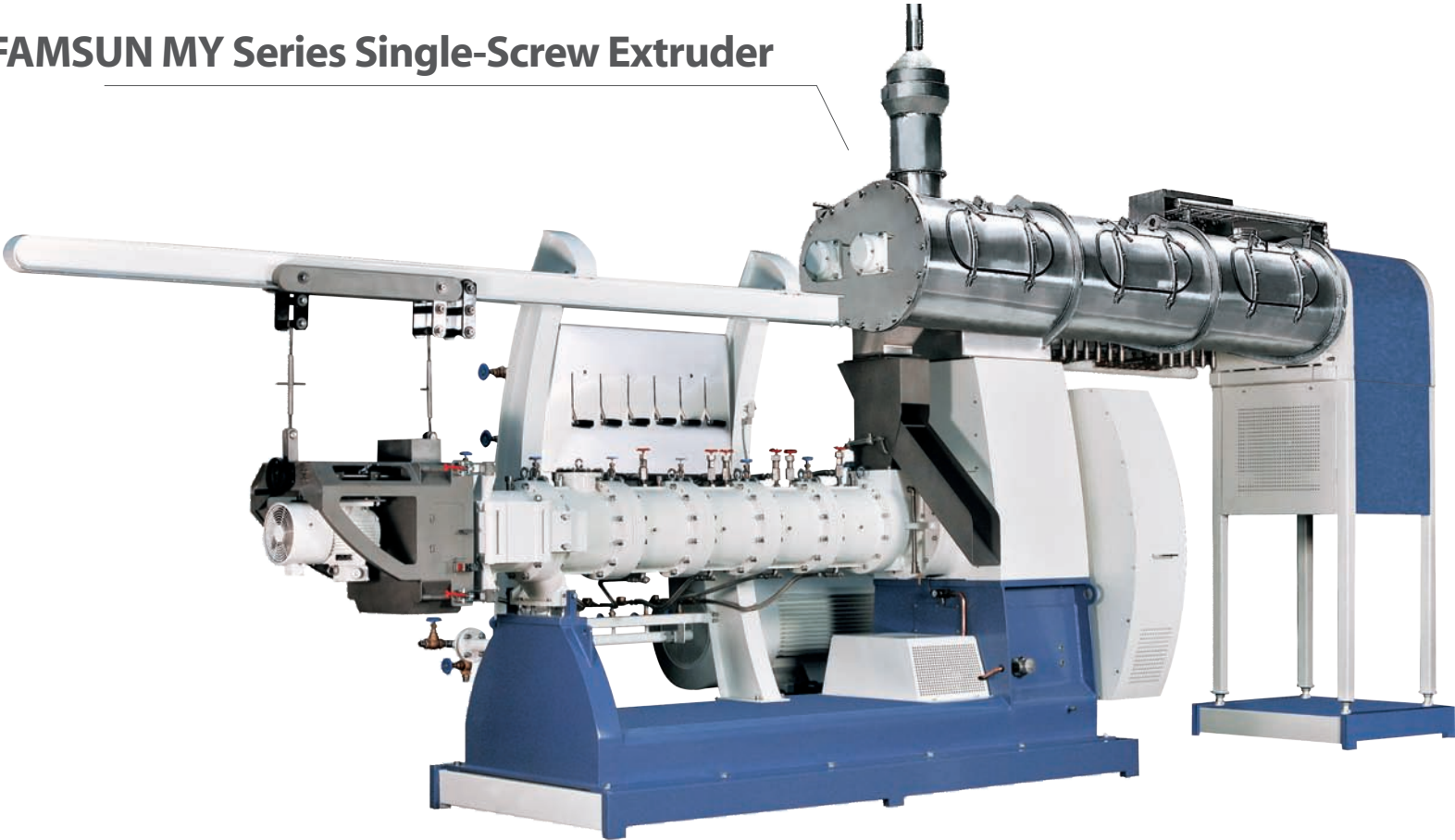
Model	SFJH80x2C	SFJH110x2C	SFJH130x2C	SFJH110x3C	SFJH130x3C
Capacity (t/h)	Pellet 5-8	8-10	10-15	8-10	10-15
	Mash 4-6	6-8	10-13	6-8	10-13
Power (kW)	2.2	2.2	3	3	3

Triple-deck sifter, C type

Model	SFJH140x2C	SFJH153x2C	SFJH140x3C	SFJH153x3C	SFJH180x2C	SFJH180x3C	SFJH210x2C
Capacity (t/h)	Pellet 14-18	22-26	14-18	22-26	25-28	25-28	30-35
	Mash 12-16	18-23	12-16	18-23	20-25	20-25	24-28
Power (kW)	4	4	5.5	5.5	7.5	7.5	7.5

FAMSUN Extrusion Equipment

FAMSUN MY Series Single-Screw Extruder



High-efficient extruder for aquafeed, food, pet food and raw material treatment.

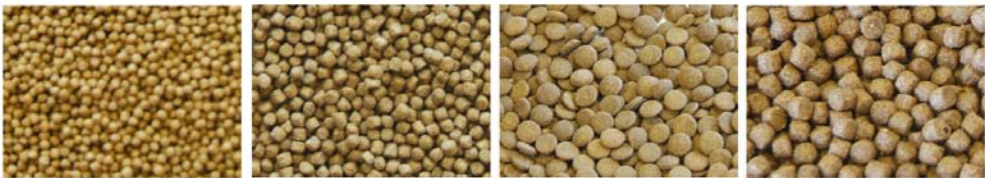
Simple operation
Leading extrusion technology and intelligent control; by-pass for avoiding blockage; simple operation, precise and reliable.

High efficiency
DDC conditioner and optimal modular extruder screw & chamber, minimum Specific Mechanical Energy (SME) input; recoverable thermal energy, maximum energy utilization; unique suspending cutter, replacement and adjustment without downtime.

Wide production range
Controllable temperature, pressure and density thanks to modularized design and many add-ons, minimizing reconfiguration acquired.

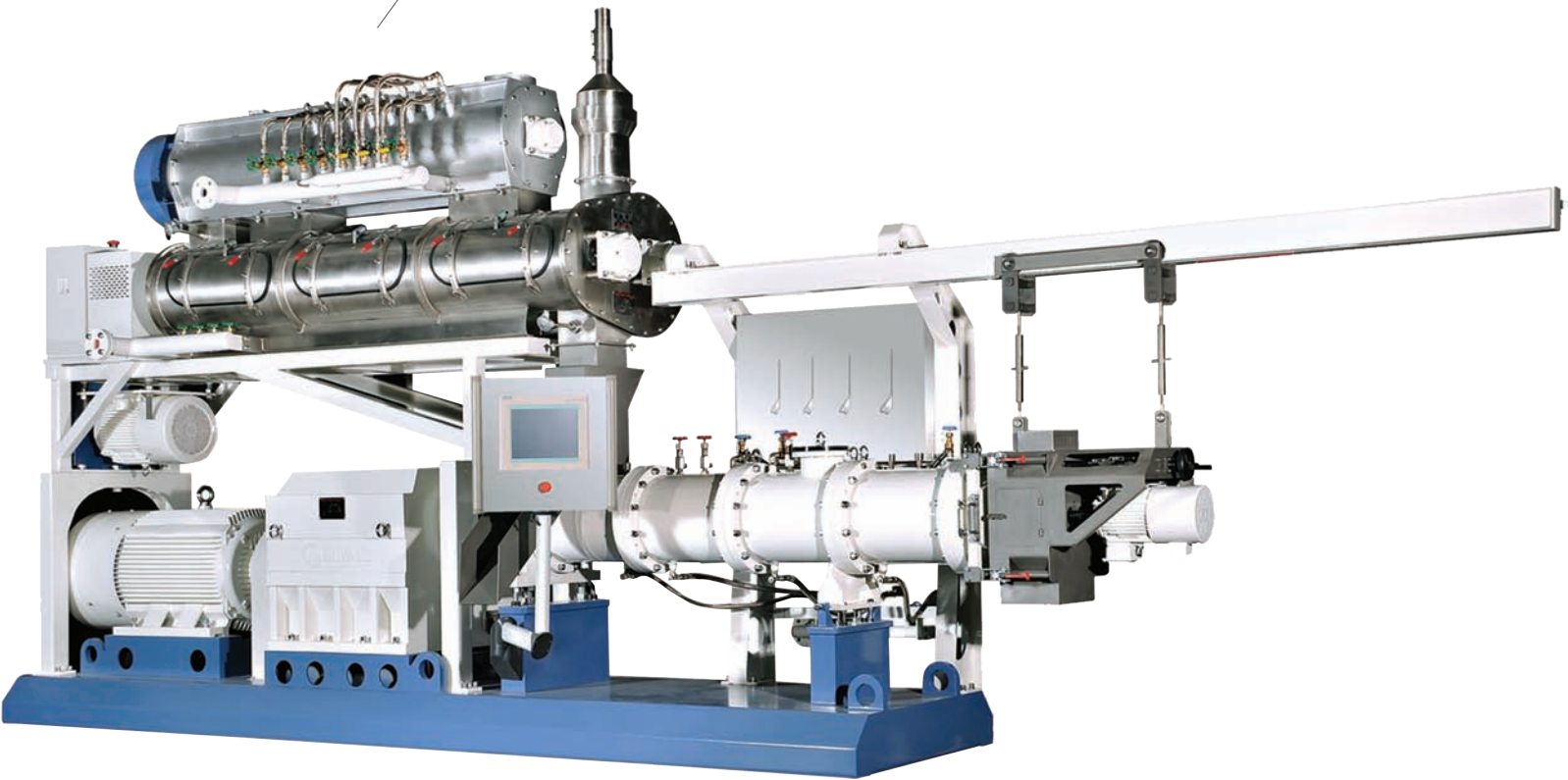
Satisfying product quality
Uniform extruded pellets with high fat absorption, unique visual appearance, environmental friendly and sustainable.

Model	MY135C	MY165E	MY215		MY265
Screw dia. (mm)	135	165	215	215	265
Capacity (t/h)	Floating fish feed	2-2.5	4-5.5	8-10	9-11
	Pet food	2-2.5	4-5.5	8-10	9-11
	Sinking fish feed	1.2-1.5	1.5-3	2.5-5.5	3-6
Power (kW)	90/110	160	250	315	400



Φ1.0mm floating fish feed Φ2.0mm floating fish feed Φ3.0mm floating fish feed Φ5.0mm floating fish feed

FAMSUN MY Series Twin-Screw Extruder



Highly efficient extruder for aquafeed, food, pet food and raw material treatment, especially sticky formulations.

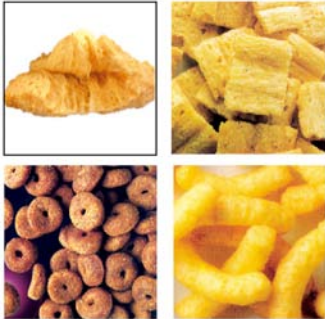
Easy operation
PLC and touch screen for convenient control; by-pass provided for avoiding blockage; easy operation, precise and reliable.

High efficiency
Optimal chamber groove and screw flight profiles, minimum SME input; efficient DDC conditioner and jacketed barrel with stabilized and facilitated extrusion, maximum energy utilization; unique suspending cutter, adjustment without down time.

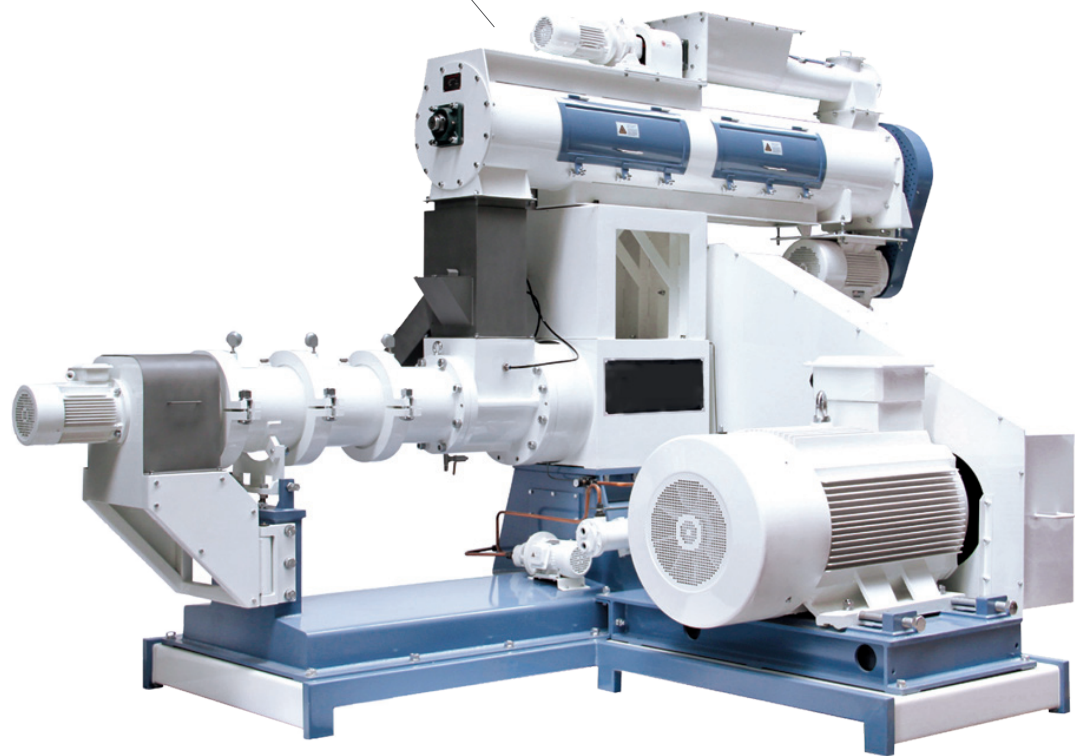
More flexibility
Modularized barrel and screw structure with many add-ons, adaptable to varied high-fat or -moisture formulations; controllable temperature, pressure and density, minimizing reconfiguration acquired.

Model	MY90×2 I	MY120×2 I	MY150×2 I
Screw Dia. (mm)	100	132	166
L/D	20:1	16:1/20:1	16:1
Capacity (t/h)	2.0~3.5	5.2~8.0	8.0~14.0
Main drive (kW)	110/132	160/200	315/355/400
Conditioner power (kW)	15	18.5+7.5	11+22
Feeder power (kW)	1.5	1.5/2.2/3.0	3.0/4.0

Note: 1.The models with the suffix "I" in the type code are specialized for aquafeed production.
2.Above data only refers to aquafeed extrusion, for other applications please contact us.



FAMSUN TPH200/260 Raw Material Extruder



Versatile extruder specialized for raw material treatment in feed and grain industry.

Wide applications
Suitable for the extrusion of raw materials such as full-fat soy, corn flour, soybean meal, rice, rice bran, wheat , etc.

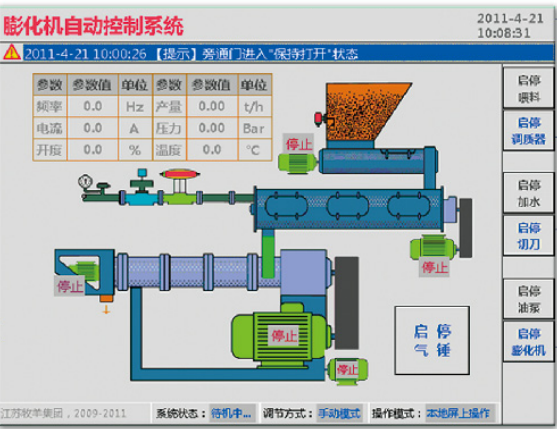
Easy operation
META system for optimum and convenient control;by-pass provided to avoid blockage; easy operation, precise and reliable.

More flexible production
Modular design with optional double-or single- flightscrews, shear locks and die plates (multi-hole or on-line adjustable single hole) for flexible put-together and easy product change.

High efficiency
Efficient conditioner and optimized configuration for desirable product, minimum thermal and mechanical energy input.

Model	Power (kW)	Screw dia.(mm)	Capacity (t/h)	
			Corn	Soy
TPH200D	110/132	200	1.5-2.0	2.5-3.5
TPH260	200/250	260	3.2-3.7	4.0-6.0

FAMSUN Control System for Raw Material Extruder

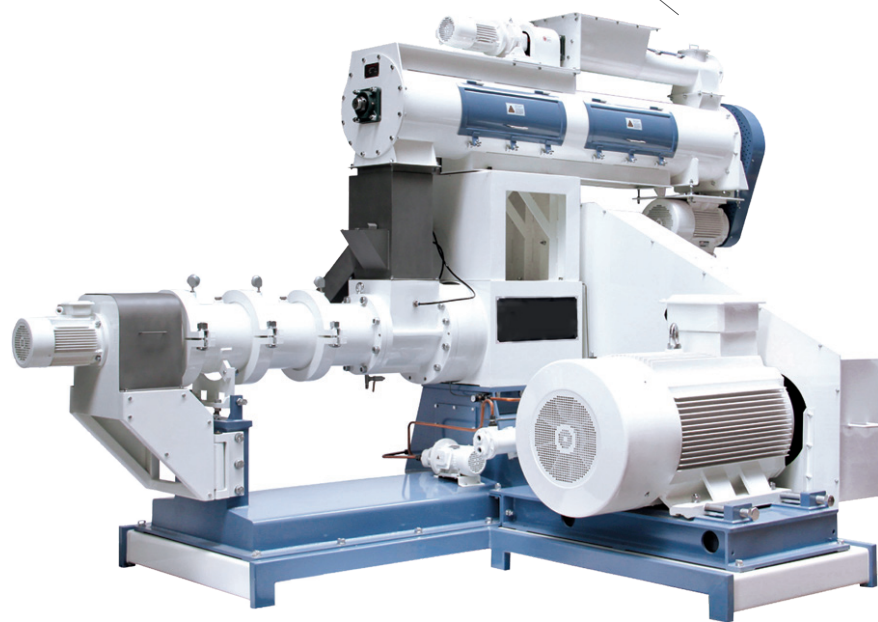


High plant availability thanks to flexible and reliable control system
Innovation bypass control technology in combination with material interrupt detector and anti-bridging device, fast and accurate localization of material blockage in advance, minimizing downtimes and increasing productivity.
Adjustable process parameters, seamless and flexible integration between automatic and manual operation, maximally optimizing productivity.
Interlock functions on various operating interface considerably prevent error operation, contributing to security processing.
Integrated control system on basis of Siemens S1200 Series PLC and KTP 1000 Series touch-panel, making for low maintenance and top operation reliability.

User-friendly operation via intuitive design
Centralized monitor, visualization of the process and intuitive user operating interface.
Pre-setting job procedure integrates for best possible product quality, thus automatic setting and management of the extruder is available, reducing the workload of operator.

Efficient energy management delivers cost-efficiency
Energy consumption per ton of material can be effectively reduced up to 21%.

FAMSUN PHY200/260 Raw Material Extruder



Extruder specialized for corn extrusion.

Excellent product quality thanks to optimal process flow
Angle-adjustable conveying paddles deliver more uniform mixing and higher efficient conditioning. Elaborate process flow functions as sterilization and gelatinization, improved product quality and feed conversion, and absorption characterization, reduced cross-contamination.

Economic alternative for high capacity and low energy consumption
Highest possible production capacity and minimized energy consumption; corn extrusion throughput of up to 4.2 t/h and up to 21% reduction of energy consumption are possible.

User-friendly operation lies in smart structure design
Innovative rail device for suspending cutter device enables gap adjustment at all time, easy and fast operation, reduced workload of operator. Unique three bearings arrangement concept and cyclic oil lubrication system etc. guarantee longer service life, with minimized maintenance requirements.

Model	Power (kW)	Screw dia.(mm)	Capacity (t/h)
PHY200	132	200	1.8-2.2
PHY260	250	260	3.5-4.2

FAMSUN TPH135D Extruder



Well-proven raw material extruder for both dry and moist extrusion applications.

Highly economic alternative
Highly economic alternative lies in low energy consumption and high capacity.

Excellent product safety thanks to the superior extruding process
The optimum retention time and reasonable highly extruding temperature ensures significantly bactericidal effect and proper cooking degree of end product.

Ease of product changes dues to flexible modular construction
The unit can beavailable with additional auxiliaries, allowing it to individually adaptable to the specific requirements of processing different product. With a powerful cooking conditioner, make steam and water adding adjustable, making for easy and quick product changes.

Model	Power (kW)	Screw dia.(mm)	Capacity (t/h)		
			Soy	Corn	Piglet
TPH135D	75	135	1.2-1.5	0.6-0.8	1.5-2

FAMSUN PHG135B Extruder



On the principle of dry extrusion this machine operates by dint of self-heating without any conditioning and boiler systems;

Proper amount of water can be added sometimes as needed;

Simple technological process with fine adaptability;

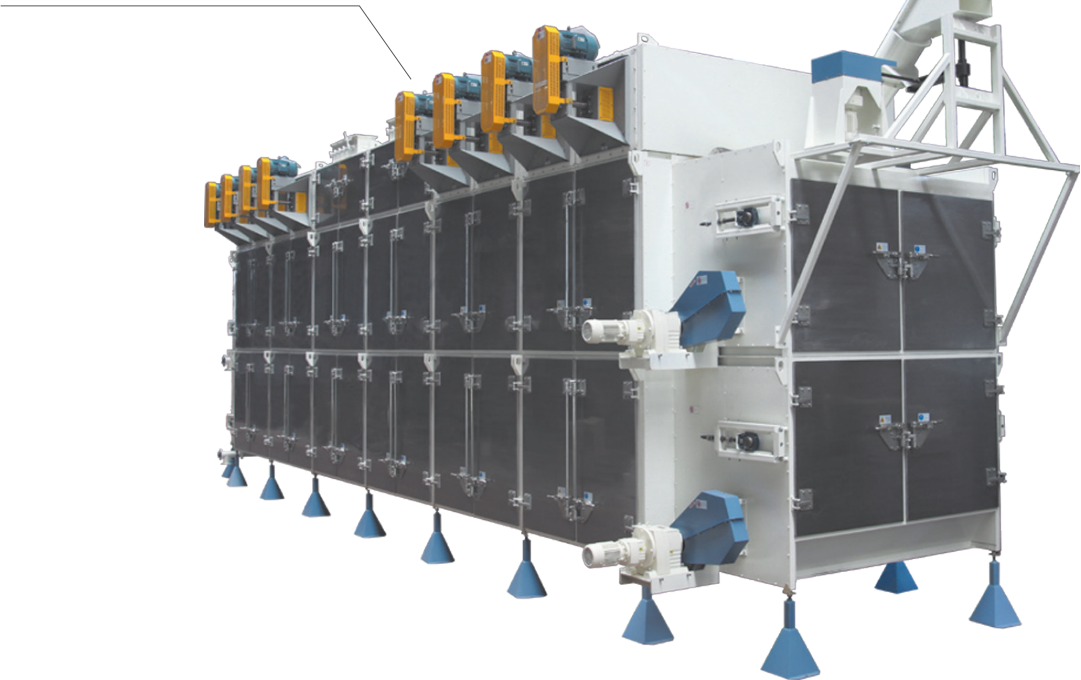
The appropriate amount of moisture facilitates the long term storage of finished product, which can be packed as it has been cooled by a cooler;

Suitable for extruding soybean, corn, etc.

Model	Power (kW)	Screw dia.(mm)	Capacity (t/h)
PHG135B	55	135	0.5-0.75

FAMSUN Drying, Cooling and Stabilizing Equipment

FAMSUN SKGD Series Multi-Pass Convection Belt Dryer

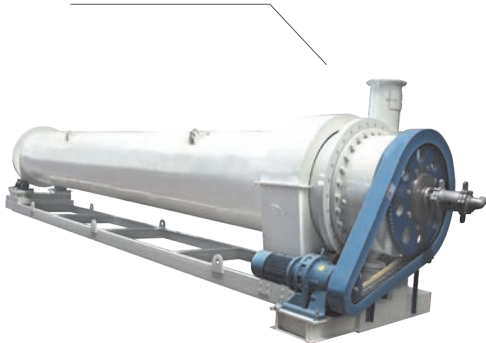


Suitable for the drying treatment of products like extruded feed, pet food and grain products.

Re-utilized hot air, saved energy.
Horizontal belt decks, stable running and low breakage.
Adjustable drying temperature, material retention time and flow bed depth, flexible quality control.
Detachable structure, easy to be installed and maintained.

Model	Capacity (t/h)	Power (kW)
SKGD2000-4	3-4	50.65
SKGD2000-5	5-6.5	61.65
SKGD2000-6	6-8	74.25
SKGD2000-8	8-10	99.05
SKGD2400-4	4-7	71.05
SKGD2400-6	8-11	101.05
SKGD2400-8	12-16	131.05

FAMSUN SGWG120 Drum Type Stabilizing Dryer



Specialized for drying aquafeed of high gelatinization and good water stability for shrimp, ell, turtle, etc.

High capacity and low energy consumption
The straight tubes for steam aligned around the circle of barrel and the heat insulation design of return-steam interlayer deliver outstanding efficiency of heat/mass transfer,significantly boosting energy efficiency.
Main components are made of high abrasion-resistance materials,ensuring continuous production and high efficiency.

Excellent sanitation ensures clean and safe operation
The exterior barrel made of heat preservation material prevents the formation of condensate, and the main components that come in contact with the product are made of stainless steel,thus contributing to a high standard of hygiene.
The state of the art rotary connector are adopted for sealing of steam adding pipeline,absolutely eliminate steam and liquid leakage.

Production flexibility thanks to optimized design
Variable frequency dive allowing for efficient control of stabilizing time, and adjustable ventilator fans providing controllable moisture content, making it customized to satisfy the specific process and product needs.

Model	Capacity (t/h)	Power (kW)	Speed, rpm	Stabilizing time (min)	Drum dia. (mm)
SGWG120	3-4 (Prawn feed)	7.5	0-10	>20	1200

FAMSUN SWGB15×70 Soleplate Type Stabilizing Dryer

Post ripening machine specialized for the treatment of hard pellet aquafeed and high water stability.

Jacketed structure for stabilization, uniform heating.
Integrated drying and stabilizing functions.
Self cleaning and large access door in front side, ease of cleaning and maintenance.

Model	Power (kW)	Capacity (t/h)
SWGB15x70	7.4	2-3.5





FAMSUN SKLN Series Counterflow Cooler (Type A)

Widely used for cooling granular feed.

Compact structure, small space occupied.
Octagonal cooling bin, eliminating death corner.
Reciprocating grid for smooth and uniform discharge flow.
Little maintenance required and low energy cost.

Model	SKLN11x11A	SKLN14x14A	SKLN16x16A	SKLN19x19A	SKLN22x22A	SKLN24x24A	SKLN28x28A
Power (kW)	0.75	0.75	0.75	1.5	1.5	1.5+0.75	1.5+0.75
Capacity (t/h)	2.5	5	7.5	10	15	15-20	20-25



FAMSUN SLNF Series Tipping Type Counterflow Cooler (Type A)

Suitable for cooling granular feed, especially the extruded pellets

Compact structure, small space required.
Octagonal cooling bin, eliminating death corner.
Hydraulic flexible driven tipping plates for smooth and controllable discharging rate.
Little maintenance required and low energy cost.

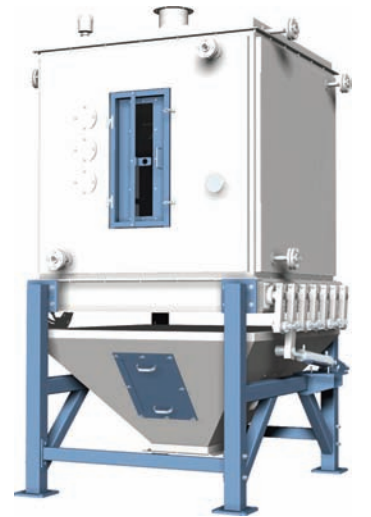
Model	SLNF19x19A	SLNF22x22A	SLNF24x24A	SLNF28x28A	SLNF32x32A	SLNF36x36A
Power (kW)	1.5	3	3+0.75	3+0.75	5.5+0.75	5.5+0.75
Capacity (t/h)	10	15	15-20	20-25	35	42

FAMSUN SWDB Series Swing Type Pellet Stabilizer

Effective stabilizer to improve water stability of aquafeed pellets.

Steam pipes for heat preservation, uniform heating.
Hydraulic controlled tipping plates, controllable and smooth discharge.
Large access door in front side, ease of cleaning and maintenance.

Model	SWDB14x14A	SWDB19x19A	SWDB24x24A
Efficiency Volume (m ³)	4	5	7
Capacity (t/h)	3	5	5-8
Heat Preservation Time (min)	30-60	30-60	30-60
Power (kW)	1.5	1.5	3



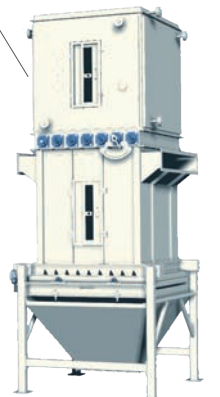
FAMSUN SWLN Series Stabilizer-Cooler Combination Machine

Specially suitable for the productions of high water stability feeds for fish, shrimp, poultry and livestock.

The combination of stabilizer and cooler contributes to high efficiency;
A stabilizing time up to 15~20mins further improve starch gelatinization and obtains better feed quality;

A temperature not higher than 3-5 °c above ambient temperature and a moisture reduction rate of ≥ 3% are a benefit for high water stability of feed pellets.

Model	SWLN14x14	SWLN19x19	SWLN24x24
Capacity (t/h)	2-3	3-5	5-7
Power (kW)	0.75+0.75+1.5	0.75+0.75+1.5	0.75+1.5+1.5
Stabilization volume(m ³)	2.5	5.2	7.5
Stabilizing time(min)	15-20	15-20	15-20
Cooling time(min)	10-15	10-15	10-15
Air volume(m ³ /h)	9000	18000	36000
Reduction moisture rate(%)	5-6	5-6	5-6



FAMSUN GKLW100B Horizontal Drum Cooler

Mainly used for cooling high-temperature pellets or extrudates after extrusion;
Cooling air and products moving in reverse direction contributes to a moisture reduction rate not less than 3%;
Low noise and easy maintenance.

Model	Power (kW)	Capacity (t/h)
GKLW100B	2.2	2-3



FAMSUN Liquid Coating System

FAMSUN SYPZ Series Vacuum Liquid Coater



Vacuum coater with with good retention and high uniform liquid distribution. Automated control, precise and reliable. Suitable for high fat application to compact pellet feed or extruded feed.

Model	Capacity (kg/bat)		Power (kW)	Oil addition ratio(%)	Precision(%)
SYPZ90	250	Bulk density ≥0.35 (t/m³)	7.5+5.5+2.2+1.5	≥15-40% (extruded feed)	≤0.3
SYPZ120	500		11+5.5+4+1.5		
SYPZ150	1000		18.5+5.5+2+5.5+1.5		

FAMSUN YPLV Series Continuous Liquid Coater



Fully automatic control, easy operation; Short-time overload function, adaptable to varied production capacity; Frequency inverter for volumetric and gravimetric material flow control, precise liquid adding rate and evenly coating.

Model	Capacity (t/h)	Power (kW)
YPLV80	0.5-8	1.1+2.2+2.2+0.55
YPLV100	1-15	1.1+3+2.2+1.5
YPLV135	10-25	1.5+5.5+2.2+1.5

FAMSUN Proportioning System

FAMSUN LCS Proportioning System

Computer and PLC control, accurate batching and reliable performance. Possible of including 1-4 scales, flexible combination if required. Good for improving production capacity and operation reliability. Widely adopted in feed, flour, fertilizer and cement industries.

Weighing range (kg)	50, 100, 250, 500, 1000, 2000, 3000, 4000
Weighing precision	static 0.1% FS, dynamic 0.3% FS



FAMSUN Micro Proportioning System

Computer and PLC control, accurate batching and reliable performance. Possible of including 1-4 scales, flexible combination if required. Good for improving production capacity and operation reliability. Applicable for premix or supplement batching.

Weighing range(kg)	50, 75, 100, 200
Weighing precision	static 0.1% FS, dynamic 0.3% FS



FAMSUN SYPC Series Liquid Proportioning Mixer

For multi liquids pre-mixing before a normal batch mixer

Available of mixing as much as three kinds of liquid nutrient such as oil, fat, molasses, phosphatide, etc. With scale and automated system to enhance dosing accuracy (≤1%).

Item/spec.	SYPC100B	SYPC200	SYPC400
Capacity (kg)	100	200	400
Precision (%)	0.3	0.3	0.3
Power (kW)	1.5+3	1.5+5.5	1.5+5.5



FAMSUN Bagging Equipment



Single hopper



No hopper



Double hopper



No hopper



Single hopper



Double hopper

FAMSUN LCS Series Screw Feeder Type Automatic Bagging Machine

Applicable for packing granular and powdery products in feed, premix, flour and chemical industries.

Double-speed motor, high weighing accuracy and minimized product loss. Sophisticated microprocessor control, simple operation and high packing rate. Available printer or recorder for production management.

Model	No hopper	Single hopper	Double hopper
Weighing range (kg)	25, 50	25, 50, 100	25, 50, 100
Static precision	0.1%FS	0.1%FS	0.1%FS
Dynamic precision	0.2%FS	0.2%FS	0.2%FS
Packing rate (bags/h)	200-300	240-400	400-600
Effective weighing volume (L)	N/A	50, 96, 124	50, 96, 124

FAMSUN LCS Series Belt Feeder Type Automatic Bagging Machine

Applicable for packing granular and powdery products in feed, premix, flour and chemical industries.

Fast- and slow-feeding combination, high weighing accuracy and minimized product loss. Sophisticated microprocessor control, simple operation and high packing rate. Available printer or recorder for production management.

Model	No hopper	Single hopper	Double hopper
Weighing range (kg)	25, 50	25, 50, 100	25, 50, 100
Static precision	0.1%FS	0.1%FS	0.1%FS
Dynamic precision	0.2%FS	0.2%FS	0.2%FS
Packing rate (bags/h)	240-360	300-500	500-700
Effective weighing volume (L)	N/A	50, 96, 124	50, 96, 124

FAMSUN LCS Series Automatic Bagging Machine (Special for Starch Bagging)

High precision and fast metering
METTLER TOLEDO MTB weighing load cells and control terminal B520 ensures the accuracy of the scale. Three step speed control and Analogue/Digital conversion ensures speed and precision.

Convenient velocity adjustment
Variable frequency triple speed control, wider adjustment range and more stable RPM switching. Touch screen simplifies the panel parameters adjustment and makes it easier to operate.

The spare parts are easy to change and repair.
Independent belt conveyor and spare parts are easy to disassemble, replace and maintain.

Discharge and air return
The air returning device in the bag enables the backflow of the air in the bag and helps the feed to fall into the bag easier. It also reduces dust leakage.

Model	PDCA50
Weighing range (kg)	20-50
Weighing speed (bag/h)	300-600
Accuracy	x (0.2)
Efficient volume (L)	96
Power (kw)	0.75
Size (mm)	1350x1050x2500
Inlet size (mm)	275x275



FAMSUN LCS Series Automatic Bagging Machine (Single Hopper & Gate Feeder Type)

Applicable for packing granular product.

Compact structure, small footprint. Sophisticated microprocessor control, simple operation and high packing rate. Available printer or recorder for production management.

Weighing range (kg)	5
Static precision	0.1%FS
Dynamic precision	0.2%FS
Packing rate	400-500 bags/h
Effective weighing volume (L)	10



FAMSUN LCS Series Automatic Bagging Machine (Single Hopper & Screw Feeder Type)

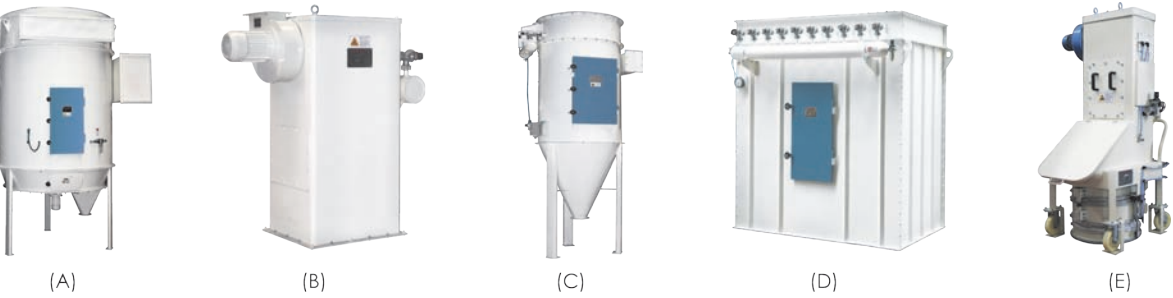
Applicable for packing powdery product

Fast- and slow-feeding combination, high weighing accuracy and minimized product loss. Sophisticated microprocessor control, simple operation and high packing rate. Available printer or recorder for production management.

Weighing range (kg)	5	10
Static precision	0.1%FS	0.1%FS
Dynamic precision	0.2%FS	0.2%FS
Packing rate	300-400 bags/h	300-400 bags/h
Effective weighing volume (L)	10	24



FAMSUN Dust Control Equipment



(A) FAMSUN TBLM_b Series Low Pressure Direct Jet Filter Dust Collector

Features: Cyclone principle adopted for dust separation and settlement, prolonged service life of filtering bags; quick bag changing device, ease of use.
Application: Dust collection on a dumping pit, a pneumatic conveying system and etc.
Working air-pressure: 0.03-0.08 MPa.
Filtering area (optional): 13.5m², 19.5m², 6m², 29.3m², 39.2m², 58.5m², 78m², 97.5m².

Model	TBLMD18	TBLMD26	TBLMD39	TBLMD52	TBLMD78	TBLMD104	TBLMD130
Filtering area(m ² /h)	13.5	19.5	29.3	39.2	58.5	78	97.5
Air volume(m ³ /h)	810-2430	1170-3510	1758-5274	2352-7056	3510-10530	4640-14040	5850-17550

(B) FAMSUN TBLM_g Series High Pressure Jet Filter Dust Collector

Features: With sifting and dust collecting functions, improving material performance and working environment.
Application: Dust collection on a manual dumping pit.
Working air-pressure: 0.2-0.4 MPa.
Filtering area (optional): 2m², 3m², 6m², 9m², 12m².

Model	TBLMB2	TBLMB4A	TBLMB6A	TBLMB8A	TBLMB12A
Filtering area(m ² /h)	2	4	6	9	12
Air volume(m ³ /h)	120-600	360-720	720-1440	1080-2160	1440-2880

(C) FAMSUN LNGM Series High Pressure Jet Filter Dust Collector

Features: Cyclone principle adopted for dust separation and settlement, prolonged service life of filtering bags; quick bag changing device, ease of labor.
Application: Dust collection on a dumping pit, a pneumatic conveying system and etc.
Working air-pressure: 0.2-0.4 MPa.
Filtering area (optional): 18m², 27m², 30m², 36m², 45m², 54m², 63m², 72m², 81m², 90m², 117m², 228m².

Model	LNGM18A	LNGM24	LNGM30	LNGM36	LNGM45	LNGM54	LNGM63A	LNGM72A	LNGM81A	LNGM90A	LNGM117A	LNGM228A
Filtering area(m ² /h)	18	24	30	36	45	54	63	72	81	90	117	228
Air volume(m ³ /h)	2160-4320	2880-5760	3600-7200	4320-8640	5400-10800	6480-12960	7560-15160	8640-17280	9270-19440	10800-21600	14040-28080	27360-54720

(D) FAMSUN TBLM_y Series High Pressure Jet Filter Dust Collector

Features: With flat filtering envelopes, compact structure and small footprint.
Application: Dust collection on conveying equipment.
Working air-pressure: 0.2-0.4 MPa.
Filtering area (optional): 5.6m², 10.5m², 17.5m², 25.2m², 36.4m², 53.2m², 75.6m², 109.2m².

Model	TBLMY8	TBLMY15	TBLMY25	TBLMY36	TBLMY52	TBLMY76	TBLMY108	TBLMY156
Filtering area(m ² /h)	5.6	10.5	17.5	25.2	36.4	53.2	75.6	109.2
Air volume(m ³ /h)	675-1350	1266-2532	2100-4200	3024-6048	4333-8736	6414-12828	9115-18230	13116-26332

(E) FAMSUN TLTSY(G) Series Mobile/Stationary Dump Dust Filter with a sifter

Features: Design with dust pre-settlement, prolonged service life of filtering bags; quick bag changing device, ease of use.
Application: Dust collection on a dumping pit, a pneumatic conveying system and etc.
Working air-pressure: 0.2-0.4 MPa.

Model	TLTSY(G)50	TLTSY73	TLSYG(G)100
Filter QTY	4	5	4
Filter Size	Φ120×700	Φ120×1000	Φ120×1000

FAMSUN Conveying Equipment

FAMSUN TLSU_s Series Screw Conveyor

Applicable for the horizontal or a small slope (<20°) conveying of various bulk powdery material;
Large loading capacity, safe and reliable;
Compact structure and flexible inlet and outlet arrangement;
Optional of anti-blockage and speed-detecting alarms.



Model	TLSU _s 16	TLSU _s 20	TLSU _s 25	TLSU _s 32	TLSU _s 40
Capacity (m ³ /h)	5-7	12-14	25-30	58-60	100-120

FAMSUN TLSU_w Series Screw Feeder

Compact structure and high rotating speed, precisely and evenly feeding;
Special feeding screw ensures material be transport completely, low residues;
Optional of anti-blockage and speed-detecting alarms.



Model	TLSU _w 16	TLSU _w 20	TLSU _w 25	TLSU _w 32	TLSU _w 40
Capacity (m ³ /h)	8-10	18-20	40-45	88-95	150-170

FAMSUN TLSU_w Series Double-Screw Feeder

Applicable for the horizontal or a small slope (<20 °) Feeding of various bulk powdery material;
With U-shape section, large capacity and easy cleaning;
Equipped with two motors, suitable for motor frequency to realize precisely feeding.



Model	TLSU _w 20x20	TLSU _w 25x25	TLSU _w 32x32	TLSU _w 40x40
Capacity (m ³ /h)	40-42	65-90	160-180	320-330

FAMSUN TDTG Series Bucket Elevator



Compact structure, small footprint.
Excellent sealing performance and venting in case of dust explosion.
Optional devices for preventing the sideslip and back-stop to ensure safety and belt alignment.
Widely used for the vertically conveying of powdery or granular bulk material in grain terminals, port terminals as well as such industries as feed, flour, rice, edible oil etc.

Model	TDTG 36/23	TDTG 36/28	TDTG40/23	TDTG40/28	TDTG50/23	TDTG50/28	TDTG50/32
capacity(m³/h)	20	35	40	55	60	80	110

Model	TDTG60/28	TDTG60/33	TDTG80/33	TDTG80/46	TDTG100/33x2	TDTG100/46x2	TDTG60/28
capacity(m³/h)	120	200	300	420	670	820	120

FAMSUN TDTG_Q Series Bucket Elevator



Sanitation-focused design enables low material residue
A smart self-cleaning machine base combines with coarse and micro adjustment mechanism, absolutely guaranteeing low material residue.

High operation reliability
Extensive consideration to safety operation and wear-resistant measures, significantly ensure reliable operation and less downtime.

Easy maintenance and cleaning thanks to customer-friendly structure concept
Vast door opening design offer easy access to inner components, delivering ease of cleaning and maintenance.

Model	TDTG _Q 36/23	TDTG _Q 36/28	TDTG _Q 40/23	TDTG _Q 40/28	TDTG _Q 50/23	TDTG _Q 50/28	TDTG _Q 50/32
capacity(m³/h)	20	35	40	55	60	80	110

Model	TDTG _Q 60/28	TDTG _Q 60/33	TDTG _Q 80/33	TDTG _Q 80/46	TDTG _Q 100/33x2	TDTG _Q 100/46x2
capacity(m³/h)	120	200	300	420	670	820

FAMSUN TGSS_U Series U-Trough Drag Conveyor

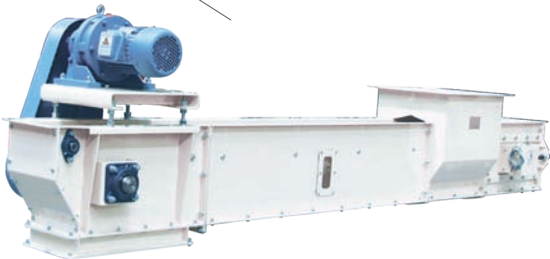
Applicable for the horizontal or a small slope (≤15°) conveying of bulk material.
U trough structure and wear resistant paddles made of plastic, no residue and long service life.
Widely applied in feed, grain and pre-mix processing.



Model	TGSS _U 16	TGSS _U 20	TGSS _U 25	TGSS _U 32	TGSS _U 40
Capacity (m³/h)	30	40	75	120	150

FAMSUN TGSS_P Series Level Drag Conveyor

Packing seal is used at the shaft to prevent leakage;
Patented anti-clogging structure to improve flexibility, safety and tightness;
Flexible design at the back of the machine to eliminate residue;
Scraper and recycling cup at the chain to reduce residue;
Convenient to assemble and install;
Classic type, CE certified, widely applied in conveying in feed, chemical, grain storehouse, port, malt and oilseed.



Model	TGSS _P 16	TGSS _P 20	TGSS _P 25	TGSS _P 32	TGSS _P 35	TGSS _P 42	TGSS _P 50
Capacity (m³/h)	35	55	90	130	180	300	400

FAMSUN MGSS Series En-Masse Conveyor

High application flexibility thanks to ingenious designs
With smart design of low profile metal bars riding on the bottom, low design for the empty return parts of flights is possible, and large capacities can be attained.
Multi-points feed and discharge are possible, and full satisfy various applications in different conveying direction.

Gentle and hygienic handing guarantees good material quality
Very little agitation where material is conveyed, means minimal breakage.
Excellent sealing trough enables top material sanitation and less dust emission.

Low and easy maintenance delivers high cost-efficiency
The bolted bottom segments and removable side walls offer easy and fast exchange and cleaning.
Forged and hardened chain links and sturdy plastic scraper, allowing for strong wear-resistance, thus a long service life. Option: Plastic bottom.

Model	MGSS16	MGSS20	MGSS25	MGSS32	MGSS35	MGSS42	MGSS50
Maximum Conveying Capacity (m³/h)	30	50	90	130	180	300	400

FAMSUN TFPX Series Rotary Distributor



Suitable for distributing granular and powdery materials.
Self-locking structure, accurate and reliable positioning with guiding pipe, automatic dust cleaning in the machine, compact structure, small space occupation, ease of maintenance.
Heavy duty construction, simple and reliable for years of operation.
Easy installation, low maintenance.
Spout area varied from 100x100 ~ 800x800 cm².
Widely used for material feeding or discharging in feed, food, flour, chemical, mineral, metallurgy, cement industries.

Model	TFPX-G-200A	TFPX-G-250A	TFPX-G-300A	TFPX-G-320A	TFPX-G-420
Powdery Materials	30	40	60	70	120
Granular Materials	40	60	80	90	140
Power (kW)	0.55, 0.75	0.55, 0.75	0.75	0.75	0.75

Note: presents the number of out-feed pipes (4, 6, 8, 10, 12, 14, 16).

FAMSUN TZMQ Series Pneumatic Gate FAMSUN TZMD Series Electric Gate FAMSUN TZMS Series Manual Gate



Heavy duty construction, simple and reliable for years of operation.
Easy installation, low maintenance.
Spout area varied from 100x100 ~ 800x800 cm².
Widely used for material feeding or discharging in feed, food, flour, chemical, mineral, metallurgy, cement industries.

FAMSUN TBDQ_Y Series Pneumatic 2-way Round Type Diverter FAMSUN TBDQ_Y Series Electric 2-way Round Type Diverter



Compact structure, easy installation and operation.
Good seal without leakage.
Spout area varied from 200x200 ~ 500x500 cm².
Widely used for direction control of material flow in feed, food, flour, chemical, mineral, metallurgy, cement industries.

FAMSUN TBDQ Series Pneumatic SquareType Diverter FAMSUN TBDD Series Electric SquareType Diverter

Simple and compact structure, easy installation.
Safe and reliable running, low maintenance.
30° and 45° spouts are available.
Spout area varied from 100x100 ~ 500x500 cm².



FAMSUN Cleaning Equipment

FAMSUN TCQY Series Drum Type Pre-Cleaner



Simple structure, ease of cleaning and maintenance.
Aspiration system for assistant cleaning.
Suitable for large impurity removal in a material receiving system in feed mills, grain storage facilities and etc.

Model	TCQY50A	TCQY63A	TCQY80A	TCQY100A	TCQY125A
Power (kW)	0.55	0.55	0.55	1.5	1.5
Capacity (t/h)	10	20	40	60	80

FAMSUN TCQYS Series Double-Deck Drum Type Pre-Cleaner



Structured with double decks and an aspiration system, capable of separating large, small and/or light impurities.
Aspiration system for assistant cleaning.
Mainly used for granular material cleaning in industries such as grain storage, food, chemical, mining and so on.

Model	TCQYS85A	TCQYS100A	TCQYS100A-I	TCQYS100A-II	TCQYS125A	TCQYS125A-I	TCQYS125A-II	TCQYS150
Power (kW)	2.2	2.2	3	4	4	4	5.5	7.5
Capacity (t/h)	30-60	40-85	60-110	80-150	80-150	100-170	110-180	120-200

FAMSUN SCQZ Series Conical Drum Type Pre-Cleaner

Simple structure, ease of cleaning and maintenance.
Aspiration system for assistant cleaning.
Specialized for powdery material cleaning in compound feed mills.

Model	SCQZ60×50×80A	SCQZ90×80×110A
Power (kW)	5.5	11
Capacity (t/h)	10-15	25-30



FAMSUN SCQZ Series Finished Product Screener

Effective screener for removing oversized particles and fines from finished products in a compound feed mill.

Model	TCQZ51×46×90	TCQZ55×46×150
Power (kW)	7.5	18.5
Capacity (t/h)	40-60	80-100



FAMSUN TCXT Series Permanent Magnet Sleeve

Powerful iron removal performance without power consumption.
Magnetic field intensity≥3000GS; iron removal efficiency ≥99%.
Widely employed in the material receiving system of feed mills, grain storage facilities and etc.

Model	TCXT15	TCXT20	TCXT25	TCXT30	TCXT40B
Capacity (t/h)	10-15	20-30	35-50	45-70	80-100



Feed Mill Project

One-source flawless project delivery

FAMSUN is an integrated solution provider in the horizontal business as well as in the vertical ones. It is a competent EPC (Engineering, Procurement and Construction) contractor from consultation to designing, civil construction, manufacturing, logistics, installation, commissioning, training and service.

We learn from our previous projects to make continuous improvement. We applied the FPD (Flawless Project Delivery) throughout our projects to make sure projects are delivered to our clients with highest efficiency and quality possible.

As of December 31st, 2013, FAMSUN has completed more than 3,000 feed mills all over the world, consisting of:

- Animal feed mill, 3-40 t/h per line;
- Aquafeed mill, 1-18 t/h per line;
- Pet food mill, 1-15 t/h per line;
- Premix mill, 0.5-15 t/h per line.



Consultation

Design

Civil Construction

Manufacture

Logistic

Installation

Training

Service



Animal Feed Mill Project

We offer a broad range of effective animal feed manufacturing solutions



Poultry and livestock contributions are vital for the global food security, while animal feed production is an important sector in the global food industry. Feed manufacturers use natural resources to guarantee safe, rich and affordable animal proteins.

As a professional and experienced technical solution supplier, FAMSUN offers a wide range of products and solutions for the feed industry. In order to produce quality products and achieve sustainable operation, we take into account the processing reliability, energy efficiency, optimum capacity, hygiene, product traceability, handy operation and low maintenance in our designing standards, specific feed equipment and plant processing solutions.



Aqua feed Mill Project

We cherish aquaculture sustainability

The increase of world population, aquaculture activity and consumption of fish are a result of consumer’s rising health awareness and has continued to stimulate the demand for aquafeed. However, aquafeed manufacturers must take into consideration the limited resources of key ingredients such as fish meal and fish oil, feed safety, water pollution and other sustainability and environmental issues.

FAMSUN has rich experience in delivering aquafeed processing lines and plant construction solutions in the traditional aquaculture markets in China and Asia as well as in other emerging markets. FAMSUN helps its customers to increase aqua feed production efficiency, flexibility and sustainability, with its investments in the research and development of aquafeed pelleting and extrusion equipment, as well as in processing technology, pre- and post-treatment process, the application of raw materials and the digestibility of feed products.



Premix Plant Project

We focus on high value and safe nutritional solutions

The industrialization of meat production, growing global demand for protein-rich products, the increase in meat consumption, meat quality, safety awareness, and the frequent outbreaks of diseases have driven the demand of feed premixes and additives, especially in the emerging markets like China and Brazil. Rising cost of raw materials and regulation factors are the main restrains but also potential opportunities for feed manufacturers.

FAMSUN is familiar with the rules, requirements and standards of premix production and applications, and applies its knowledge into the designing, manufacturing and installation of premix processing solutions, to enable to process high value raw materials and produce precise and contamination-free quality premix products to our customers.



Dry Pet Food Plant Project

We help pets to live longer and healthier lives through a well-balanced nutrition diet

Pet food contains plant and/or animal materials, intended for consumption by pets and formulated according to their strict nutritional needs, which generally consists of cereal grains, meat, milk products, vitamins, vegetable oils and minerals. Qualified pet food is usually characterized by its balanced nutrition, high digestibility, excellent palatability and improved immune system.



Heart-shaped products

Sandwich products

Two-colored products

Bone-shaped products

Irregular-shaped products

Co-extruded products

The flavor, color, shape and even aesthetic quality of package can influence pet owner’s consumption decision. To be competitive in the high-end market, pet food manufacturers must make distinguished products.

As a professional technical supplier, FAMSUN works with pet food manufacturers to develop high-value, nutritional and attractive pet food products. FAMSUN’s extrusion system, post treatment processes, state-of-the-art processing techniques and customized solutions enable customers to produce high-end competitive products.





Steel Silo

We support customers in the grain value chain

We offer complete logistics solutions in grain handling, cleaning, drying and storage. From grain collection points to grain elevators, from inland and water terminals to processing plants such as feed mills, rice mills, flour mills, breweries and oilseed processing factories, FAMSUN has constructed over 1000 steel silo projects around the globe.

The key products and systems include:
 Assembled round steel silos: 1-18,000 t/silo; Spiral steel round silos: 1-8,000 t/silo;
 Material handling systems: bucket elevators, conveyors, sweepers and spreaders;
 Conditioning and drying system: cleaners, dust collectors, dumping systems, dryers, fans and controls.



Steel Structure

For better, safer and more economical construction

Steel is cost effective, structurally sound and manufactured to strict specifications and tolerances. It is easy to modify, install and offers design flexibility. It allows for improved quality of construction and less maintenance, while offering improved safety and resistance.

From designing to construction following AISC standard, FAMSUN has proved itself as a reliable steel structure construction partner by delivering factory buildings, warehouses, high buildings, airports, gymnasiums, conference halls and bridges.

FAMSUN's Quality Management System (QMS) ensures that we deliver a consistent high quality;

ISO certified: 9001 2008 for designing, manufacturing, fabrication and installation of steel structure and turnkey projects.

Certified structural steel fabricator, integrated engineering and design company.

Efforts are especially focused on delivering steel structure buildings, warehouses and other steel structure products such as rising tower and catwalks for feed mills, rice mills, grain storage terminals and other facilities in agro-industry.



Automation System

We aim to be forerunner and a pioneer in agro-industrial automation

We integrate solid expertise with hardware and software technologies to increase productivity, efficiency and flexibility.

With our capability and experience in plant automation engineering, process control in feed, rice milling and grain logistics, we help our customers lower cost and increase efficiency. In order to provide comprehensive solutions and services to meet different automation needs, FAMSUN created a Joint Venture with WEM Automation LLC in 2011.

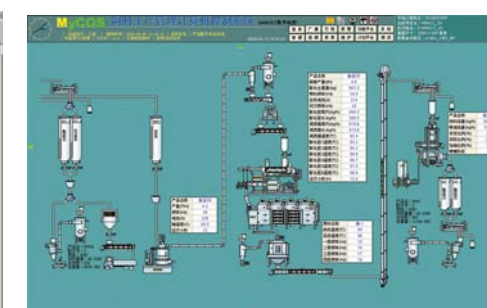


FAMSUN-WEM Automation products and solutions include:

- Systematic solutions: PC based MYS Control System, MYCOS Control System and FAMSUN-WEM 4000 Control System for full plant automation; Mimic screens, instrument controlled batching system, PC based batching system for production process control;
- Hardware solutions: stand-alone control boxes for single machine production operation; Mimic control screens and cabinets, PLC hardware, IT hardware, weighing scales and sensors.
- Quantitative bagging machines: Screw, belt or gravitation bagging for packing powdery and granular products into bags ranging from 5 up to 100 kg.

FAMSUN-WEM 4000 System:

- It applies PC/PLC system in the operator interface, data management, plant monitoring and all real time process control;
- It is supported by SQL Server Database and capable of interfacing with all formulation software and corporate ERP or MIS system;
- It uses separate control modules for different purposes and economical system expansion;
- Traceability module delivers plant wide production tracking and lot code tracing;
- It uses wireless PDA and remote control.



Robotic Machinery

We offer more choices for improving operations

FAMSUN Robotic Machinery combines the latest technology with research, innovation, and development of a balanced product portfolio to increase efficiency. The value-added products and systems have already helped many customers in their respective markets such as feed manufacturing, grain milling and handling, food processing, pharmacy and port facilities.

- The main systems and products include:
- Robotic pelletizers and stacking lines;
 - Automatic packing machines and packing lines;
 - Bulk loading and transportation systems



3. Automatic packing line

4. Pellet roller conveyor

5. Inside of a stacking warehouse



1. Robotic palletizer



2. Automatic bag placer



Customer Service

Our Goal is to provide excellent customer service

By raising the efficiency and value of our customer's equipment and operations and providing first-class service, we have expanded our service capabilities and support around the world.

Our service engineers receive continuously updates in training, tools and support programs and keep their knowledge and skills on the latest standards. Our quick response service network covers not only local offices, spare part warehouses, field service and online support, but also remote services for immediate and efficient troubleshooting.



- Muyang customer service capabilities and offerings include:
- Spare parts. To secure plant availability.
 - Repair. For high reliability and minimizing downtime.
 - Maintenance. To solve problems before they occur and remain peak performance of equipment.
 - Retrofit & Reconditioning. To create new life into old parts.
 - Training & Courses. To deliver a positive experience.
 - Optimization. For noticeably higher productivity and help remain fit to meet the challenges.
 - Other supports such as consulting, installation, commissioning, etc. all help to ensure higher plant efficiency.

Machinery & engineering

Steel silos

Integrated solution provider

Customer services
Consultation and training

Steel structure buildings

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