

Farivo

A LIANGSHENG BRAND

CATALOGUE 2026

FLOUR MILLING EQUIPMENT

Wheat 20–500 TPD · Maize 20–300 TPD

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One range, from intake to packing

Farivo is the flour milling brand of Henan Liangsheng Intelligent Equipment Co., Ltd., Zhengzhou, China.

We supply complete wheat flour mills from 20 to 500 TPD, maize mills from 20 to 300 TPD, individual machines, upgrades for operating mills and spare parts.

Wheat 20–500 TPD

Maize mills 20–300 TPD.

62 equipment types

Across 10 process sections.

3 years / 1 year

Machine-specific warranty; wear parts excluded.

From selection to start-up

Flow sheet, equipment list, layout, installation and training scope.



Discuss the equipment as a connected mill

Start with your grain, product target and site. Compare the equipment list, utilities and installation interfaces together.

20–50 TPD wheat flour mills

Small mills on a steel platform

A complete wheat mill that fits inside an existing hall

Small mills are built as one line on a steel platform, so they can go into a workshop you already have. A 30 TPD line needs about 18 × 6 m for its machines and around 100 kW of installed power, and turns 30 t of wheat into 22.5 t of flour a day at 75% extraction.

Size and power

Capacity	Installed power	Machinery area L × W × H	Flour a day at 75% extraction
18 TPD	78–96 kW	18 × 6 × 4–6 m	13.5 t
30 TPD	88–102 kW	18 × 6 × 8 m	22.5 t
52 TPD	In the quotation	By layout	39 t

26 and 36 TPD versions of the steel-platform line are also built.

A 52 TPD mill, section by section (from a quoted mill)

Section	Main machines
Pre-cleaning	Vibro separator TQLZ100×150, vertical aspiration channel, bucket elevators, screw conveyors, fan, pulse filter and airlock
Cleaning	Vibro separator TQLZ100×100, 2 gravity destoners, 2 horizontal scourers, 2 plane rotary separators, 3 aspiration channels, 3 magnets, computer-controlled dampening, clean-wheat bin, 2 pulse filters
Milling and sifting	5 pneumatic roller mills, 2 purifiers FQFD49×2×3, 2 square plansifters (FSFG6×20 and 4×20), bran finisher, 30 kW pneumatic-lift fan, 3 pulse filters, 18 airlocks
Packing	3 automatic packing scales LCS25
Others	22 kW air compressor with tank and dryer, 4 control cabinets, steel platform, pipework, cables, roll removal tool

Why this matters to you

Pneumatic roller mills. The rolls engage and release on their own when stock stops, protecting them when one operator runs the mill.

Two purifiers in a 52 TPD mill. Purifiers make low-ash bread flour and semolina possible. Some low-priced offers leave them out; check for them.

Everything between the machines is included. Platform, spouting, pneumatic lift, dust filters, airlocks, control cabinets and compressor are all in the list, not extras.

What it means for your mill: a complete small mill, from intake cleaning to bagged flour, that can start in an existing building.



60–120 TPD wheat flour mills

The size most new commercial mills start at

Compare the roll length and sifting behind the capacity

At this size most mills still use a steel platform inside a hall. The figures that decide extraction and flour quality are total roll length and sifting area, so this page shows them from three real quotations.

Power and space by capacity (catalogue ranges for standard layouts)

Capacity	Installed power	Machinery area L × W × H
62 TPD	148–152 kW	26 × 8 × 7.5–8 m
82 TPD	190–220 kW	20–30 × 6–8 × 7.5–12 m
100 TPD	226–325 kW	23–30 × 6–8 × 7.5–14.5 m
112 TPD	312 kW	22 × 8 × 9–10 m
120 TPD	340 kW	28 × 8 × 12–14.5 m

Three quoted configurations

	62 TPD	82 TPD	112 TPD
Installed power (as quoted)	195 kW	259 kW	316 kW
Roller mills	12 single mills	16 single mills	16 single mills
Total roll length	5,000 mm	6,900 mm	7,500 mm
Plansifters	4 double-bin	6 double-bin	6 double-bin
Purifier	1	1	1
Spare rolls in the offer	—	32	32

Why this matters to you

Roll length you can check. About 8.1 mm per 100 kg of wheat a day at 62 TPD, 8.4 mm at 82 TPD and 6.7 mm at 112 TPD. Compare this figure in every offer you receive.

Enough sieve area. The 82 TPD configuration has about 0.62 m² of sifting per tonne of wheat. Short sifting gives speckled, high-ash flour.

Cleaning sized for your wheat. Every configuration includes destoning, scouring or washing, magnets and aspiration.

Spares in the same containers. Spare rolls, sieves and wear parts can ship with the mill.

What it means for your mill: you can compare our offer line by line with any other, on the figures that decide flour quality.



White and stainless steel roller mill installed on a milling floor

150–250 TPD wheat flour mills

From a line in a hall to a mill building

Each section on its own floor

At 150 TPD and above the mill becomes a building. Roller mills, plansifters and cleaning stand on separate floors, in a steel structure or a concrete building, so stock flows down by gravity and is lifted by air.

What changes at this size

Several floors. A multi-storey steel or concrete building, usually four to six floors depending on your requirements.

Wheat storage and blending. Raw-wheat silos and blending hold flour quality steady. Tempering usually has two stages with tempering bins between them.

Bulk flour bins and several products. Flour goes to bulk bins before packing, so the mill can make more than one flour and pack to order.

How we size it

Roll length per 100 kg of wheat a day, set by your wheat and extraction target. Our 60–120 TPD references run from 6.7 to 8.4 mm.

Sifting area per tonne of wheat, enough for clean, low-ash flour.

Cleaning for the dirtiest wheat you will buy, not the average lot.

What we deliver

Engineering	Flow sheet, machine layout on each floor, building loads and openings for your civil engineer
Machines	Every machine with motors, listed by model, quantity and power
Between the machines	Platform or supports, spouting, pneumatic lift, dust filters, airlocks
Power	Control cabinets, cables, air compressor
Spares	Spare rolls, sieves and wear parts in the same containers
Site	Installation supervision, start-up and operator training

What it means for your mill: one supplier for the process, the machines and everything between them, so nothing falls between two contracts.



Roller mill floor in a large wheat flour mill in China

300–500 TPD wheat flour mills

Engineered as a project

Building, silos, milling lines, flour handling and control, planned together

Mills of this size are designed around your site, your wheat and your products. The decisions below come before any machine list.

Decisions that come first

One line or two. Two parallel lines let one keep milling while the other is serviced, and let each make a different flour. One line costs less in machines and building.

Intake, storage, blending. Ship or truck intake, cleaning before storage, silo capacity in days of milling, and blending of wheat lots.

Bulk flour and loading out. Flour bins, bulk loading, packing lines for several bag sizes, and bran handling.

Central control room. The whole mill is started, monitored and stopped from one room, with a recipe for each flour.

What we deliver on a large mill

Engineering: process flow sheet, machine layout on each floor, building loads and openings.

Equipment: all machines, spouting, pipework, pneumatic conveying and dust control.

Electrical: motor control centres, PLC and central control, cabling.

Site: installation supervision, start-up with your wheat, operator training.

What it means for your mill: a large mill planned as one system, from wheat intake to bulk flour loading, with one point of responsibility.



Plansifter floor in a large wheat flour mill in China

Maize flour mills, 20–300 TPD

Degermed maize meal that keeps for months

Peel and degerm first, then mill the clean endosperm

Whole maize ground straight through a hammer mill gives a dark meal that turns rancid within weeks, because the germ carries the oil. A degerming mill takes off the hull and germ first, then grinds the clean endosperm.

Why degerming pays

Longer shelf life. Low-fat meal keeps for months in the bag.

Whiter meal. The product your market pays more for.

More products from one tonne. Meal, grits for brewing and snacks, germ for oil pressing, bran for feed.

The process

Stage	What happens	Main machines
1 Intake and storage	Weighed, pre-cleaned, stored in steel silos	Drum pre-cleaner, bucket elevators, chain conveyors
2 Cleaning	Stones, dust, metal and broken grains removed	Vibro separator, destoner, aspirator, magnets
3 Conditioning	A small, even dose of water toughens hull and germ	Dampener, moisture control
4 Peeling and degerming	Hull rubbed off, germ knocked loose	MNML and MNMS peelers, MNJ degerminator
5 Germ separation	Germ separated from grits by size and weight	TSQX germ selector, plansifter
6 Milling and sifting	Grits ground and graded into meal and grits	Roller mills, plansifters
7 Packing	Meal in 1–50 kg bags; germ and bran bagged separately	Packing scales

Pick the line for your market

Capacity	Typical buyer	Products
20–50 TPD	District miller, school feeding, relief supply	Super-sifted meal, bran
50–120 TPD	Regional brand, often next to a wheat mill	Meal, grits, germ, bran
150–300 TPD	National brand, exporting to neighbouring countries	Several meal grades, brewing grits, germ for oil

What it means for your mill: a maize line that sells meal, grits, germ and bran from the same tonne of grain.



Steel grain silos at a 300 TPD maize flour mill in Zambia

TFDZ-G Vertical Aspiration Channel

Removes dust and husk with a controlled air stream



The TFDZ-G draws a controlled air stream through a falling curtain of grain to lift out dust, husk and light impurities.

Even curtain of grain. A vibrating feeder spreads the grain across the full channel width.

Watch the separation. A transparent inspection partition shows the material stream.

Five sizes. TFDZ75G to TFDZ200G handle 5.9 to 23.6 t/h of wheat on 0.12–0.25 kW.

Model	Power (kW)	Weight (kg)	L × W × H (mm)
TFDZ75G	0.12	160	850×825×1,445
TFDZ100G	0.12	190	1,205×920×1,445
TFDZ150G	0.12	260	1,650×965×1,445
TFDZ180G	0.12	300	1,950×965×1,445
TFDZ200G	0.25	350	2,150×935×1,445

What it means for your mill: a TFDZ200G separates dust and husk from 17.8–23.6 t/h of wheat on a 0.25 kW feeder.

HZXZ Eddy Vibrating Screen

Up to 120 t/h of pre-cleaning on a 4 kW drive



The HZXZ screens medium and small impurities from wheat with a rotary eddy motion.

Large screen area. 3.75 to 7.2 m² of screen.

Two duties, two ratings. Separate pre-cleaning and cleaning capacities, from 50/30 t/h up to 120/80 t/h.

Modular drive. The drive is built as a modular arrangement.

Model	Screen area (m²)	Power (kW)	Weight (kg)	L × W × H (mm)
HZ×Z150×250	3.75	3	2,800	2,988×2,205×2,105
HZ×Z150×250A	3.75	3	2,900	2,988×2,205×2,105
HZ×Z200×250	5	4	3,200	2,988×2,705×2,105
HZ×Z200×250A	5	4	3,300	2,988×2,705×2,105
HZ×Z200×300	6	4	3,500	3,549×2,795×2,105
HZ×Z200×360	7.2	4	3,800	4,150×2,815×2,105

What it means for your mill: an HZ×Z200×360 pre-cleans 120 t/h of wheat on just 4 kW.

Automatic Grain Sampler

Truck sampling with 3.5 m reach and 270° rotation



A fixed automatic sampler takes representative samples from incoming grain trucks before unloading.

Reaches the whole load. 3,500 mm carriage travel, 2,000 mm column travel and 4,000 mm sampling-head travel, rotating through 270°.

Safe operation. Anti-collision and limit switches, plus an emergency stop.

Specification	Value
Horizontal carriage travel	3,500 mm
Column vertical travel	2,000 mm
Sampling-head vertical travel	4,000 mm
Rotation	0–270°
Control cabinet supply	380 V
Rotation motor	0.55 kW / 380 V
Horizontal-travel motor	0.55 kW / 380 V
Sampling-head lift motor	0.55 kW / 380 V
Column hydraulic-lift motor	3 kW / 380 V
Suction-fan motor	3 kW / 380 V

What it means for your mill: each truck can be sampled from several points before the grain enters your intake.

FDMWA Abrasive Wheat Scourer

Surface cleaning by rubbing and kneading, up to 22 t/h



The FDMWA cleans the wheat surface by rubbing and kneading the grain against an abrasive screen.

No rebalancing after a board change. The rotor is dynamically balanced twice, so beater boards can be replaced without special balancing.

Extra airflow. An air-intake window adds complementary airflow through the machine.

Set the intensity at the outlet. A hammer-style adjustable pressure door at the discharge sets the scouring intensity and the material flow.

Model	Capacity (t/h)	Power (kW)	L × W × H (mm)	Weight (kg)
FDMWA30×60	≤12	7.5–15	1,220×600×1,615	760
FDMWA45×80	12–22	15–22	1,460×800×1,876	980

What it means for your mill: a single FDMWA45×80 scours 12–22 t/h of wheat.

FSM Intensive Brush Scourer

Beats and brushes in one machine



The FSM combines beating and brushing. It breaks up mud lumps and spoiled kernels, and brushes dirt and hairs off the wheat surface.

Two cleaning actions. Beating separates mud lumps and damaged grain; brushing cleans the surface.

Strong, even brushing. Specially shaped beaters form a spiral along the shaft, with long brushes fitted to the rotor blades.

Single or paired. FSM40×1 and FSM40×2 cover 6 to 18 t/h.

Model	Capacity (t/h)	Power (kW)	L × W × H (mm)
FSM40×1	6–9	7.5	1,750×870×1,710
FSM40×2	12–18	7.5×2	1,750×1,420×1,710

What it means for your mill: an FSM40×2 cleans 12–18 t/h on two 7.5 kW drives.

TXFY Aspiration Separator

Removes dust and husk with no motor of its own



The TXFY removes dust, husk and other light impurities from cereal grain by aspiration, connected to the mill's air system.

Even distribution. Grain flows down an annular path over an umbrella-shaped distributing plate.

Adjustable airflow. The air volume is set to suit the grain stream.

No drive to maintain. No built-in motor; the external air system does the work.

Model	L × W × H (mm)
TXFY-80	930×930×2,110
TXFY-100	1,130×1,130×2,210
TXFY-120	1,300×1,300×2,115

What it means for your mill: a TXFY-120 cleans 20 t/h with no motor of its own.

TSCY Cylinder Pre-cleaner

Up to 100 t/h of intake cleaning on a 2.2 kW drive



The TSCY removes large impurities from incoming grain before it goes to storage or the cleaning section.

Protects everything downstream. Taking out large debris at intake keeps conveyors, elevators and cleaners from jamming and wearing.

High capacity, simple and steady. A slowly rotating screen drum runs smoothly with very little power.

Quick screen changes. The screen drum is easy to remove, and can be chosen to suit the grain and the size of the impurities.

Dust and light material out too. An aspiration connection removes light impurities at the same time as the oversize screening.

Rated for wheat and paddy. Separate capacity figures for wheat and paddy make intake sizing straightforward.

Model	Power (kW)	Weight (kg)	L × W × H (mm)
TSCY63	0.75	290	1,650×790×1,260
TSCY80	1.1	400	2,030×1,000×1,560
TSCY100	1.5	910	1,750×1,250×2,068
TSCY125	2.2	1,200	2,000×1,500×2,340
TSCY150	2.2	1,300	2,400×1,800×2,590

What it means for your mill: a TSCY150 pre-cleans 70–100 t/h of wheat at intake on a 2.2 kW motor.

HZZD Multi-deck Rotary Screen

120–200 t/h of wheat screening in one suspended body



The HZZD screens and grades large flows of wheat at intake or pre-cleaning. Several screen decks work in parallel inside one suspended body.

Large screening area, high output. Four groups of eight screen layers give a large effective area for cleaning and grading.

Even feed to every deck. A multi-way feed distributor at the inlet spreads the grain evenly across all screen layers.

Smooth and quiet. The screen body hangs on combined suspension rods, running steadily with low noise.

Fast screen changes. Screen frames fit in easily and are interchangeable.

Model	Power (kW)	Weight (kg)	L × W × H (mm)
HZZD150×200/8	3+0.75	6,100	3,462×2,445×3,892
HZZD200×200/8	4+0.75	7,100	3,462×2,945×3,892

What it means for your mill: an HZZD200×200 screens 160–200 t/h of wheat on 4 + 0.75 kW.

TQLZ Vibro Separator

Pre-cleaning up to 100 t/h, cleaning up to 35 t/h, in nine sizes



The TQLZ separates large, medium and small impurities from grain on vibrating screens. An optional suction separator removes light impurities and dust.

Even spreading, efficient separation. A material-spreading device at the inlet feeds the full screen width.

Settings that fit the grain. Amplitude 2.5–5.5 mm, vibration angle 0–45° and screen inclination 0–12° can be adjusted.

Two motors, one start. Twin vibration motors share a terminal block and start together.

Low energy, easy service. Punched steel screens with staggered holes slide out easily for cleaning or replacement.

Model	Power (kW)	L × W × H (mm)	Weight (kg)
TQLZ60	0.25×2	1,640×1,550×1,455	360
TQLZ80	0.25×2	1,785×1,370×1,550	540
TQLZ100×100	0.25×2	1,640×1,610×1,838	731
TQLZ100×150	0.37×2	2,140×1,610×1,455	767
TQLZ100×200	0.37×2	2,640×1,610×1,455	836
TQLZ150×150	0.55×2	2,140×2,160×1,900	965
TQLZ150×200	0.75×2	2,382×2,196×1,838	1,021
TQLZ180×200	0.75×2	2,382×2,496×1,838	1,260
TQLZ200×200	1.1×2	2,382×2,696×1,838	1,530

What it means for your mill: the largest TQLZ200×200 pre-cleans 100 t/h on just 2 × 1.1 kW.

TQLM Plane Rotary Separator

High flow per metre of screen width, with built-in aspiration



The TQLM removes remaining impurities in the wheat cleaning section, combining plane-rotary screening with aspiration.

More flow from the same screen width. High throughput per unit of screen width and high cleaning efficiency.

Smooth, quiet motion. The plane-rotary movement runs steadily with low noise.

Screening and aspiration together. The a-series combines rotary screening with an aspiration connection.

Easy mesh changes. Front screen drawers give direct access for changing and cleaning the mesh.

Model	Capacity (t/h)	Power (kW)	Weight (kg)	L × W × H (mm)
TQLM100a	6–9	1.1	630	2,070×1,458×1,409
TQLM125a	7.5–10	1.1	800	2,070×1,708×1,409
TQLM160a	11–16	1.1	925	2,070×2,146×1,409

What it means for your mill: a TQLM160a screens 11–16 t/h of wheat on a single 1.1 kW motor.

TQSF Gravity Destoner

Removes stones, glass and metal at 6–30 t/h of wheat



The TQSF uses a vibrating screen and an air flow to separate high-density impurities such as stones, gravel, glass and metal. It also grades wheat and concentrates light impurities such as weed seeds and shrivelled grain.

Destoning and grading in one pass. Separates stones and mud lumps while dividing the stream into light and heavy fractions.

Low energy, no dust escape, low noise. Good grading and destoning performance on two small vibration motors.

See it working. A transparent inspection window shows the destoning in progress.

Wheat, paddy and maize. Separate capacity ratings for each grain.

Model	Power (kW)	Weight (kg)	L × W × H (mm)
TQSF80a	2×0.25	540	1,660×1,226×2,028
TQSF100a	2×0.55	615	1,660×1,426×2,028
TQSF125a	2×0.55	690	1,660×1,676×2,028
TQSF150a	2×0.55	760	1,660×2,000×2,028
TQSF180a	2×0.55	820	1,660×2,300×2,028
TQSF200a	2×0.75	1,120	1,660×2,620×2,028
TQSF250a	2×0.75	1,260	1,660×3,120×2,028

What it means for your mill: a TQSF250a destones 24–30 t/h of wheat on 2 × 0.75 kW.

TFXH Cycling Air Separator

Its own fan and closed air circuit, so the dust stays inside



The TFXH separates dust and light impurities from wheat, maize and other grains using a circulating air system with a built-in fan.

Closed air, no dust escape. A double-screw airlock and dust-settling design keep separated dust inside the machine.

Strong airflow, clean separation. High air volume gives effective removal of light impurities.

Works alone or in a line. Use it on its own, or with a separator or wheat scourer.

Two duty ratings. Separate cleaning and pre-cleaning capacities for clear sizing.

Model	Capacity (t/h): cleaning / pre-cleaning	Power (kW)	Weight (kg)	L × W × H (mm)
TFXH 60	9 / 40	2.25	400	1,166×1,000×1,680
TFXH 80	12 / 50	2.25	430	1,366×1,000×1,680
TFXH 100	16 / 65	2.25	460	1,566×1,000×1,680
TFXH 125	20 / 83	2.25	500	2,216×1,000×1,680
TFXH 150	24 / 100	3.75	660	2,446×1,000×1,680
TFXH 180	28 / 105	3.75	780	2,766×1,000×1,680
TFXH 200	32 / 130	5.15	890	2,966×1,000×1,680
TFXH 250	40 / 160	5.15	960	3,466×1,000×1,680
TFXH 300	60 / 200	5.15	1,260	3,966×1,000×1,680

What it means for your mill: a TFXH300 cleans 60 t/h with its own fan and air circuit on 5.15 kW, without adding load to the mill aspiration network.

FDMW Horizontal Wheat Scourer

Light or heavy scouring from one machine, 2–20 t/h



The FDMW cleans the wheat surface by impact and rubbing, removing dirt, fragile foreign matter and remaining husk before tempering or milling.

Steady running. A dynamically balanced rotor keeps vibration low.

No choking. A large screen-drum diameter keeps material moving freely.

Light or heavy scouring. Choose the shaft speed (800–1,200 r/min) and motor rating to suit the wheat condition.

Better light-impurity removal. An optional self-circulating aspirator takes away loosened dust and light particles.

Model	Capacity (t/h)	Light / heavy scouring power (kW)	L × W × H (mm)	Weight (kg)
FDMW30×60	2–4	4 / 5.5	1,270×400×1,210	450
FDMW40×100	4–7	5.5 / 7.5	2,130×920×1,700	710
FDMW40×150	7–10	7.5 / 11	2,630×920×1,700	750
FDMW2×40×100	8–14	2×5.5 / 2×7.5	2,130×1,490×1,700	1,200
FDMW2×40×150	14–20	2×7.5 / 2×11	2,630×1,490×1,700	1,500

What it means for your mill: a double FDMW2×40×150 scours 14–20 t/h of wheat in one machine.

TCXT Magnetic Separator

99.9% iron removal with no power supply



The TCXT removes ferrous contamination from the grain stream before it reaches the cleaning and milling machines.

Protects grain and machines. Takes out iron that would damage rolls, beaters and screens.

No electricity needed. A permanent magnet of 5,000 GS works without power.

Easy to clean. An external rotating magnetic core and a hinged access door make removing collected iron simple.

Five inlet sizes. From 150 to 400 mm, for 5 to 100 t/h.

Model	Capacity (t/h)	Overall size (m)
TCXT15	5–15	0.4×0.7
TCXT20	10–30	0.5×0.7
TCXT25	25–50	0.5×0.9
TCXT30	45–70	0.6×0.9
TCXT40	60–100	0.7×1

What it means for your mill: a TCXT40 protects a 60–100 t/h grain stream with no running cost.

FJXZ Combined Grain Cleaner

Several cleaning stages stacked into one machine



The FJXZ combines disc and cylinder separation in one stacked unit for cleaning lines that need several separation duties.

Less floor space. Stacking the cleaning sections reduces the floor area needed for several screening stages.

Accessible for service. Side access panels and suspended screen bodies remain easy to reach.

Model	Capacity (t/h)	Power (kW)	Weight (kg)	L × W × H (mm)
FJXZ-63-YQB	6–8	4	1,750	2,947×1,243×2,034
FJXZ-63-YQN	8–10	4	1,750	2,947×1,243×2,034

What it means for your mill: one FJXZ-63 handles 6–10 t/h of cleaning on a 4 kW drive.

FGJZ Indented Cylinder Separator

Separates impurities by length, after screening and aspiration



The FGJZ removes impurities that are the same width as wheat but shorter or longer, such as broken kernels and round seeds, which screens and air cannot separate.

Completes the cleaning line. Length separation catches what screening and aspiration miss.

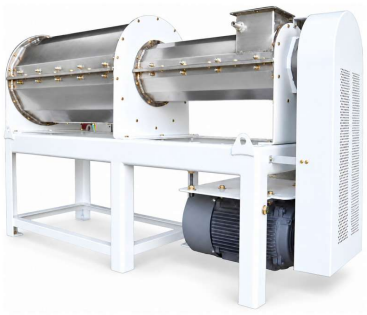
Three clear configurations. 8 to 12 t/h on a 5.9 kW drive.

Model	Capacity (t/h)	Power (kW)	L × W × H (mm)
FGJZ63×300A	8	5.9	3,860×1,040×2,600
FGJZ71×300A	9	5.9	3,860×1,140×2,800
FGJZ63×300H	12	5.9	4,180×1,140×2,900

What it means for your mill: an FGJZ63×300H separates 12 t/h of wheat by length on 5.9 kW.

TQZJ Pressurized Dampener

Long mixing path for intensive, even dampening



The TQZJ adds moisture to wheat before milling with a high-intensity mixing rotor.

Pre-mix and mix. A long mixing path combines a pre-mixing section and a mixing section.

Strong, even dampening. High mixing intensity and power for uniform water uptake.

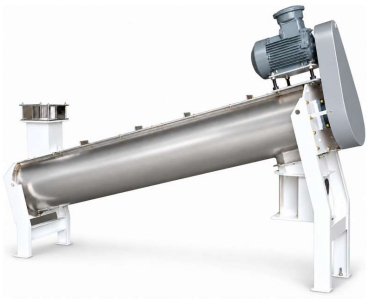
No leaks at the bearings. A horizontal main shaft solves the bearing leakage problem.

Model	Capacity (t/h)	Power (kW)	L × W × H (mm)	Weight (kg)
TQZJ35-60	9-12	11	2,650×680×1,454	600
TQZJ35-60	12-16	15	2,650×680×1,454	680
TQZJ35-60	16-20	18.5	2,850×680×1,454	750
TQZJ35-60	20-25	22	2,850×680×1,454	800

What it means for your mill: one TQZJ35-60 conditions up to 25 t/h of wheat.

FZSQ Intensive Dampener

Water flows only when grain flows



The FZSQ adjusts the grain moisture before tempering, mixing wheat and water with curved paddles in an inclined stainless-steel chamber.

Water follows the grain. A constant-level tank, flowmeter and grain-flow switch control a solenoid valve, so water is added only while grain is flowing.

Even mixing. Curved paddles mix the grain and water thoroughly.

Stainless-steel chamber. An inclined stainless chamber with a bolted access cover.

Model	Capacity (t/h)	Power (kW)	L × W × H (mm)	Weight (kg)
FZSQ40×200a	15	5.5	2,365×600×1,785	485
FZSQ40×250a	18	7.5	2,809×600×1,820	540
FZSQ50×280a	26	11	3,188×716×2,013	775

What it means for your mill: an FZSQ50×280a conditions 26 t/h of wheat on 11 kW.

SFJC Moisture Controller

Touch-screen moisture control from 15 to 60 t/h



The SFJC measures wheat moisture and controls water addition in the conditioning section.

Simple operation. Touch-screen controls above separate service doors.

One footprint for every size. All four sizes, 15 to 60 t/h, fit in 650 × 650 mm.

Moisture measuring unit	L × W × H (mm)	Weight (kg)
SFJC-15	650×650×1,618	145
SFJC-30	650×650×1,618	145
SFJC-45	650×650×1,618	145
SFJC-60	650×650×1,618	150

What it means for your mill: moisture control for up to 60 t/h of wheat in under half a square metre of floor space.

FZSW Dual-rotor Dampener

Adds up to 7% water, with no leaking bearings



The FZSW mixes wheat and water with two horizontal rotors to prepare the grain for tempering.

Thorough mixing. Gives full mixing of wheat and water, adding up to 7% moisture.

No leaks at the bearings. Horizontal shafts solve the bearing leakage common on traditional dampeners.

High output, low power. Tangential discharge cuts power use and raises throughput.

Long-life blades. Specially treated blades last longer.

Easy maintenance. One side of the casing opens for inspection and beater replacement.

Model	Wheat capacity (t/h)	Power (kW)	L × W × H (mm)
FZSW30×120	3–8	4	1,762×807×1,659
FZSW30×120	8–12	5.5	1,762×807×1,659
FZSW30×150	12–16	5.5	2,062×807×1,659
FZSW30×150	16–24	7.5	2,062×807×1,659
FZSW45×150	25–30	11	2,158×1,240×1,945
FZSW45×150	30–40	15	2,158×1,240×1,945

What it means for your mill: an FZSW45×150 conditions 30–40 t/h of wheat on 15 kW.

FZSD Spray Dampener

Fine, even water spray with no compressor



The FZSD applies a controlled, atomised water spray to wheat before milling.

Even moisture. Electric centrifugal atomisation produces a fine spray for uniform dampening.

No compressed air. Works at normal pressure, so no air compressor is needed and installation is simple.

Automatic control. Grain detection, motor operation and water addition are controlled together.

Water cut-off protection. Protection against running on without water is built in.

Model	Grain capacity (t/h)	Power (kW)	L × W × H (mm)	Weight (kg)
FZSD10	10	0.09	600×600×1,250	60
FZSD15	15	0.18	650×650×1,300	70
FZSD25	25	0.18	700×700×1,300	90

What it means for your mill: an FZSD25 dampens 25 t/h of wheat on 0.18 kW.

DPMZ Wheat Blending Feeder

±1% accuracy for wheat blending and constant feed



The DPMZ electronic flow balancer meters individual wheat streams for blending different wheats or for a constant feed to the mill.

Accurate blending. ±1% accuracy, and ±0.06 t/h at low flows of 0.5–5 t/h.

Wide range. Four sizes from 0.5 to 100 t/h.

Compact. Fits in 740 × 460 × 530 mm (790 × 590 × 530 mm for DPMZ-100).

Electronic flow balancer	L × W × H (mm)	Weight (kg)
DPMZ-15	740×460×530	85
DPMZ-30	740×460×530	85
DPMZ-60	740×460×530	85
DPMZ-100	790×590×530	90

What it means for your mill: consistent wheat blends, and so consistent flour, from 0.5 to 100 t/h.

AMC501 Grain Flow Scale

Continuous weighing at ±0.2% full scale



The AMC501 weighs grain continuously as it flows, totalling the weight without stopping the line.

Accurate accounting. ±0.2% of full scale over 10–60 t/h.

Connects to your control system. RS232 and RS485 interfaces.

Low power. 0.5 kW, with compressed air at 0.4–0.6 MPa.

Model	Power (kW)
AMC501	0.5

What it means for your mill: a continuous record of wheat into the mill, for yield and extraction calculations.

MSD Electric-Control Roller Mill

Electronic feed control and laser level sensing for steady grinding



The MSD is a four-roll mill with electronically controlled feeding, built for mills that want each passage to run at a stable load without constant adjustment. It comes in 1,000 mm and 1,250 mm roll lengths, with 250 mm or 300 mm diameter rolls.

Feed follows the stock. Variable-frequency feed speed and a laser level detector keep the feed rolls matched to the stock arriving at the inlet.

Fine roll-gap setting that holds. The roll gap is fine-tuned and then fixed by a pneumatic cylinder lock, so the setting does not drift during the shift.

No flour spilling. A ventilation duct inside the grinding chamber removes the air pressure that pushes flour out of the mill.

A rigid base for accurate grinding. Cast-iron and welded steel frames are combined into one integral structure, with laser-cut, CNC-machined and CO_2-welded parts.

Larger rolls on request. Φ300 mm rolls and eight-roll versions can be supplied.

Model	L × W × H (mm)	Weight (kg)
MSD 125×30×2	2,060×1,676×2,005	4,650
MSD 100×30×2	1,810×1,676×2,005	3,950
MSD 125×25×2	2,060×1,526×1,955	3,900
MSD 100×25×2	1,810×1,526×1,955	3,250

What it means for your mill: the 1,250 mm MSD gives 25% more roll length than the 1,000 mm version in a machine only 250 mm longer, so fewer mills are needed for the same total roll length.

SFMFQ Pneumatic Roller Mill

Five roll lengths from 500 to 1,250 mm on one 250 mm roll platform



The SFMFQ is a four-roll mill with pneumatic servo feeding for the break and reduction passages of a wheat flour mill. Five roll lengths share the same Φ250 mm roll diameter, so the whole roll floor can be planned on one roll size.

Pneumatic servo feeding. The feed gate follows the stock automatically on 0.4–0.7 MPa compressed air, using only 0.06–0.08 m³/h per mill.

One set of rolls, several lives. Rolls start at Φ250 mm and can be reground and refluted down to Φ230 mm before replacement.

Set the grind for each passage. Fast-to-slow roll ratios of 2.5:1, 2:1, 1.5:1 and 1.25:1 cover break, sizing and reduction duties.

Motor sized to the duty. Motor options from 7.5 to 37 kW let each passage carry only the power it needs.

Model	Rolls (mm)	Weight (kg)	L × W × H (mm)
SFMFQ 50×2	Φ250 × 500	2,400	1,400 × 1,410 × 1,850
SFMFQ 60×2	Φ250 × 600	2,700	1,535 × 1,300 × 1,850
SFMFQ 80×2	Φ250 × 800	3,000	1,610 × 1,422 × 1,997
SFMFQ 100×2	Φ250 × 1,000	3,300	1,810 × 1,422 × 1,997
SFMFQ 125×2	Φ250 × 1,250	4,000	2,060 × 1,422 × 1,997

What it means for your mill: because every SFMFQ uses Φ250 mm rolls, one roll size and one spare-roll stock serve every mill on the floor, from the 500 mm to the 1,250 mm model.

MSJ Mechanical Roller Mill

Simple mechanical control with independent feeding and grinding



The MSJ is a four-roll mill with mechanical adjustment, suited to mills that prefer straightforward controls that local operators can maintain. Roll lengths are 500, 600 and 800 mm on Φ250 mm rolls.

Even feed, even grind. A stable feeding system works separately from the grinding section, so changes in feed do not disturb the roll setting.

Each adjustment stays on its own. Roll engagement and roll-gap adjustment are independent units that do not affect each other.

Precise base, stable running. A welded steel-plate base is machined in one piece for accurate roll alignment.

Wide ratio choice. Fast-to-slow roll ratios from 2.5:1 to 1.14:1, and feed-roll ratios from 3:1 to 1:1.

Model	L × W × H (mm)	Weight (kg)
MSJ 80×25×2	1,660×1,560×1,822	2,280
MSJ 60×25×2	1,460×1,560×1,822	1,980
MSJ 50×25×2	1,360×1,560×1,822	1,650

What it means for your mill: the MSJ gives a small or medium mill four-roll grinding without electronic controls, with roll sizes from 500 to 800 mm to match each passage.

FSJZG Impact Detacher

Breaks up flakes after the rolls, from 1.5 t/h up to 23 t/h in twin versions



The impact detacher breaks up flakes formed on smooth reduction rolls, releasing flour before sifting.

Choice of impact. Round or square impact pins, with strong or moderate impact.

Long-life pins. Heat-treated pins last longer.

Smooth and quiet. A dynamically balanced rotor disc runs steadily with low noise.

Fits your layout. Several inlet and outlet arrangements; upright or suspended installation.

Model	Power (kW)	Capacity (t/h)	Weight (kg)
FSJZG-43	4	1.5	310
FSJZG-43	5.5	1.5–3.0	320
FSJZG-43	7.5	3.0–4.5	325
FSJZG-51	11	4.5	455
FSJZG-51	15	4.5–6.0	465
FSJZG-51	18.5	6.0–9.0	485
FSJZG-51	22	9.0–11	520
FSJZG-51D (twin)	22	11	715
FSJZG-51D (twin)	30	11–15	800
FSJZG-51D (twin)	37	15–18	815
FSJZG-51D (twin)	45	18–23	865

What it means for your mill: an FSJZG-43 handles 3.0–4.5 t/h on 7.5 kW; twin FSJZG-51D units reach 18–23 t/h.

Laboratory Mill

Test milling of wheat samples on one frame



The laboratory mill grinds and sifts small wheat samples for quality control and wheat evaluation.

Feeding, grinding and sifting together. All stages are integrated in one machine.

Break and reduction. Separate break and reduction systems with flexible power transmission.

Self-cleaning. An automatic cleaning chain keeps the screen surface and cyclone clear.

Specification	Status
Sample size and throughput	On request
Milling stages and output fractions	On request
Power, dimensions and weight	On request

What it means for your mill: test a new wheat before buying it in bulk.

FSFG Square Plansifter

Up to 52.7 m² of sifting area from a 5.5 kW drive



The FSFG sifts and grades flour stocks in wheat, maize and durum mills. It also works as a control sifter before packing or bulk loading. Five sizes from 4 to 8 compartments let each passage get the sifting area it needs.

Sieves stay locked, streams stay separate. A vertical and horizontal clamping system holds every sieve stack tight, so stocks do not leak or cross between passages.

Runs smoothly, protects the bearings. A three-bearing drive with spring support carries the sifting box, and the drive is designed to stop oil leaks and extend bearing life.

Steady on start and stop. The box hangs on fibreglass suspension rods with a centrifugal counterweight and built-in V-belt drive.

Clean sieves, consistent sifting. Combi-cleaners work on both the sieves and the trays to keep the mesh open through the shift.

Built to last. A steel-tube frame, laser-cut and CNC-machined parts, CO_2-shielded welding and electrostatic powder coating. Sieve frames are wood with abrasion-resistant plastic lining.

Model	Bins	Sifting area (m²)	Motor (kW)	Weight (kg)	Installation height (mm)	L × W × H (mm)
FSFG4×20	4	22	3	2,400	3,000	2,300×1,520×1,900
FSFG6×20	6	33	4	3,200	3,000	2,300×2,300×1,900
FSFG4×24	4	26.3	3	2,800	3,200	2,300×1,520×2,200
FSFG6×24	6	39.5	4	3,600	3,200	2,400×2,400×2,200
FSFG8×24	8	52.7	5.5	4,700	3,200	3,100×3,100×2,200

What it means for your mill: one FSFG8×24 gives 52.7 m² of sifting on a 3.1 m square footprint, more than twice the area of the 4×20 model, while the motor only rises from 3 to 5.5 kW.

FSFJ Single-Bin Plansifter

A complete sifting station for small mills and check sifting



The FSFJ single-bin plansifter sifts flour and intermediate stocks in small mills, and works as a check sifter before packing. Ten sieve frames per bin give 2.5 to 12.6 m² of sifting area.

No leaks, no cross-contamination. Vertical and horizontal clamping locks the sieve stack so the screens do not loosen and stocks do not cross.

Hardwearing sieve frames. Wooden frames faced on both sides with wear-resistant plastic, configurable with 6 to 12 frames.

Steady start and stop. The sifter hangs on fibreglass-reinforced plastic rods and runs steadily, with short start-up and stopping times.

Safe and compact. Safety steel cables secure the box, and the machine needs little floor space.

Model	Standard area (m²)	Enclosed area (m²)	Flour throughput (t/h)	Motor (kW)	Weight (kg)	L × W × H (mm)
FSFJ1×10×63	2.5	—	1–1.5	0.75	320	1,130×1,080×1,520
FSFJ1×10×70	2.8	—	1.5–2	0.75	400	1,200×1,140×1,690
FSFJ1×10×83	4.5	—	2–3	0.75	470	1,380×1,280×1,910
FSFJ1×10×100	6.4	7.7	3–4.8	1.1	570	1,580×1,480×2,000
FSFJ1×10×120	10.5	12.6	6–9.6	1.5	800	1,960×1,890×2,500

What it means for your mill: an FSFJ1×10×120 handles 6–9.6 t/h of flour on a 1.5 kW motor.

FSFJ Double-Bin Plansifter

Two sifting bins on one drive for small and medium mills



The FSFJ double-bin plansifter carries two independent bins on one drive. It suits small and medium mills that need two sifting passages without the size of a square plansifter.

More sifting area in an enclosed body. The closed design gives a larger sifting area and a better seal.

Sieve frames that do not shift. Vertical and horizontal clamping keeps the frames from loosening, moving or leaking.

Configurable frames. Wooden frames faced on both sides with plastic, from 6 to 12 frames per bin.

Smooth running. Fibreglass suspension rods keep the box steady, with short start-up and stopping times.

Model	Bins	Capacity (t/h)	Motor (kW)	Sifter weight (kg)	L × W × H (mm)
FSFJ2×10×100	2	8–12	2.2	1,200–1,600	2,856×1,811×2,250
FSFJ2×10×83	2	5–8	1.5	730–1,000	2,386×1,678×2,250
FSFJ2×10×70	2	3–3.5	1.1	650–670	1,840×1,390×1,760
FSFJ2×10×63	2	2–2.5	1.1	550–580	1,680×1,270×1,500

What it means for your mill: an FSFJ2×10×100 sifts 8–12 t/h across two bins on a 2.2 kW motor.

FQFD Purifier

Grades semolina and middlings to lift the share of top-grade flour



The FQFD purifies and grades semolina and middlings by size and density, using an air current through a vibrating sieve. Clean semolina goes to the reduction rolls, so more of it becomes top-grade flour.

More sieve area, better penetration. Improved sieve-frame profiles and reversing push rods increase the open sifting area and the rate at which stock passes through the sieve.

Light, easy-to-handle frames. Aluminium-alloy rails and sieve carriages keep the frames light for quick sieve changes.

Sieves stay clean. Sieve cleaners, stainless-steel guide rods and rubber springs keep the screens working evenly.

Fully sealed collection. A fully enclosed collecting trough keeps the graded fractions separate and the floor clean.

Twin-motor vibration drive. Two vibrator motors drive the sieve box, using only 2 × 0.25 kW.

Model	Coarse stock (kg/h)	Motor (kW)	Weight (kg)	L × W × H (mm)
FQFD49×2×3A	1,400–2,800	2×0.25	1,020	2,700×1,290×1,750
FQFD60×2×3A	1,680–3,370	2×0.25	1,220	2,750×1,490×1,850

What it means for your mill: one FQFD60×2×3A purifies up to 3,370 kg/h of coarse stock on 0.5 kW of drive power.

FFPD Horizontal Bran Finisher

Recovers the flour still attached to bran before it leaves the mill



The FFPD is a horizontal bran finisher that beats the bran stream against a screen tube to release the flour that is still clinging to it. Single and double versions handle 3 to 26 t/h.

Flour recovered, not sold as bran. Beaters inside the screen tube release adhering flour, which returns to the flour stream.

Double version on one footprint. The ×2 models put two screen tubes side by side, doubling capacity on the same 1,520 mm height.

Low power for the duty. The FFPD45 handles 5–13 t/h on 7.5–11 kW.

Model	Capacity (t/h)	Power (kW)	Weight (kg)	L × W × H (mm)
FFPD38	3–8	5.5–7.5	500	1,650×586×1,520
FFPD38×2	6–16	5.5–7.5×2	980	1,650×1,172×1,520
FFPD45	5–13	7.5–11	630	1,840×630×1,520
FFPD45×2	10–26	7.5–11×2	1,260	1,840×1,260×1,520

What it means for your mill: an FFPD45×2 finishes up to 26 t/h of bran in a single machine 1.26 m wide.

FFPS Vertical Bran Finisher

Uses gravity and centrifugal force to separate flour from bran



The FFPS930 is a vertical bran finisher. The rotor brush and the screen turn on a vertical axis, so the weight of the bran and centrifugal force work together to separate the remaining flour.

Higher flour extraction. The vertical rotor brush and screen use material weight and centrifugal force to release more flour from the bran.

Small floor space. A vertical design with an 890 mm screen fits in 1,675 × 1,330 mm.

Two duties, one machine type. Front and back routes handle 1,600–2,400 kg/h and 950–1,600 kg/h on a 4 kW motor.

Model / route	Power (kW)	Capacity (kg/h)	Weight (kg)	L × W × H (mm)
FFPS930 / front	4	1,600–2,400	1,300	1,675×1,330×2,265
FFPS930 / back	4	950–1,600	1,300	1,675×1,330×2,265

What it means for your mill: the FFPS gives a mill with limited floor space a bran finisher that stands in under 2.3 m² of floor area.

TGSS Buried Scraper Conveyor

Enclosed chain conveying from 22 to 165 m³/h



The TGSS moves bulk grain in an enclosed trough with a chain and flights.

No leaks at the shaft ends. Packing seals at the shaft ends keep material inside.

Fully enclosed. Removable covers for maintenance; dust stays in the trough.

Flexible layout. Multiple inlets and outlets along the route.

Model	Capacity (m³/h)
TGSS16	22–40
TGSS20	35–64
TGSS25	44–80
TGSS32	90–165
TGSS40	141–254
TGSS50	220–504
TGSS63	305–690
TGSS80	380–850

What it means for your mill: a TGSS32 moves 90–165 m³/h in a 320 mm trough.

YLSS Tubular Screw Conveyor

Variable-pitch tubular feeder for blending and dosing



The tubular screw conveyor feeds grain from bins for blending and handling routes.

No blockage. A seamless steel-tube casing and variable-pitch screw keep material moving.

Variable-speed feeding. Speed can be controlled by PLC and inverter for accurate feeding.

Sealed inlet. A pressure-resistant seal at the inlet.

Model	Power (kW)
YLSS16	0.75–4
YLSS20	0.75–5.5
YLSS25	1.1–7.5
YLSS32	1.5–7.5

What it means for your mill: an inverter-controlled YLSS under each bin sets the proportion of each wheat in the blend.

Belt Conveyor (TDS)

Fixed or mobile belt conveying, 45 to 1,200 m³/h



TDS belt conveyors carry bulk or bagged grain, in fixed or mobile, open or enclosed versions.

Four support systems. Ordinary rollers, enclosed three-roller cushion, single-roller or double air-cushion.

Wide range. From 45 m³/h on a TDS50 to 1,200 m³/h on a TDSL100.

Model	Ordinary rollers (m³/h)	Enclosed three-roller cushion (m³/h)	Single-roller (m³/h)	Double-cushion (m³/h)
TDS50 (A/B)	45–80	On request	On request	On request
TDS65 (A/B)	70–150	100–275	100–250	100–250
TDS80 (A/B)	90–250	200–450	200–400	200–400
TDSL100	On request	400–1,200	400–1,000	400–1,000
TDSL120	On request	700–1,650	700–1,500	700–1,500
TDSL140	On request	1,200–2,500	1,200–2,200	1,200–2,200

What it means for your mill: one conveyor family covers intake, transfer and bag handling.

TDXZ Vibrating Silo Discharger

Keeps flour flowing out of the bin



The TDXZ fits under flour and powder bins to stop the material bridging and to keep it flowing.

No bridging. Prevents arching of powdered material at the bin bottom.

Simple and low power. A vibration motor drives the discharge hopper at high frequency, on 0.37–0.55 kW.

Model	Power (kW)	Weight (kg)	L × W × H (mm)
TDXZ100×30	0.37	220	1,480×1,260×530
TDXZ130×30	0.37	300	1,780×1,560×560
TDXZ130×50	0.37	280	1,780×1,560×640
TDXZ160×50	0.55	550	2,080×1,860×704
TDXZ200×50	0.55×2	820	2,480×2,260×895

What it means for your mill: steady flour discharge from storage bins to packing, with a motor of under 0.6 kW.

Double-cushion Conveyor

Air-cushion support on both runs



The double-cushion conveyor carries the belt on a film of air on both the carrying and return runs.

Few rollers to wear. The belt rides on air instead of idlers.

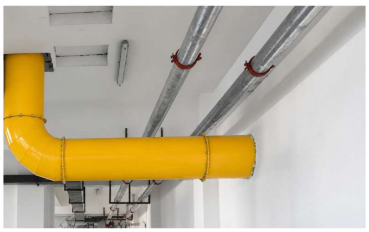
Fully enclosed. Both runs are enclosed, with inspection, maintenance and aspiration openings.

Feature	Description
Belt support	Air cushion on carrying and return runs
Enclosure	Both runs enclosed
Access	Inspection, maintenance and aspiration openings

What it means for your mill: a TDS80 double-cushion conveyor moves 200–400 m³/h with almost no idlers to maintain.

Mill Spouting & Pipe Fittings

Pipes 100 to 300 mm, 1 to 3 mm wall



Spouting and pipe fittings connect the machines of the mill.

Complete system. Straight pipes, elbows, branches, inspection spouts and connectors.

Matched wall thickness. 1–3 mm cold-rolled steel, chosen per run.

Item	Available specification
Nominal pipe sizes (mm)	100 / 120 / 150 / 200 / 250 / 300
Sheet thickness range (mm)	1–3
Material	Cold-rolled steel
Components	Straight pipes, elbows, branches, inspection spouts and connectors

What it means for your mill: the spouting comes from the same supplier as the machines, so the connections fit.

TDTG Bucket Elevator

Lifts up to 30 m with a rubber-lagged head pulley



The TDTG lifts grain and mill stocks vertically in buckets.

Simple and reliable. A simple structure with dependable performance, and lift height chosen to suit the building.

Less belt slip. The head pulley is rubber-lagged to grip the belt.

Safe stops. An anti-reverse device stops the loaded belt running back.

Heavy-duty drive shaft. Built for continuous running.

Easy boot cleaning. The base has a curved, bolted plate that opens for cleaning.

Model	Diameter (mm)	Bucket size (mm)	Maximum lift (m)
TDTG20/11	Φ200	110×90	12
TDTG20/13	Φ200	130×110	20
TDTG26/18	Φ260	150×110	25
TDTG36/18	Φ360	180×120	30
TDTG36/23	Φ360	230×120	30
TDTG40/23	Φ400	230×140	30
TDTG50/28	Φ500	280×140	30

What it means for your mill: four sizes cover lifts from 12 m up to 30 m.

Grain Gates & Valves

Manual, pneumatic or electric control of grain flow



Slide gates and routing valves control and direct material in grain-handling lines.

Stable and easy to control. Reliable operation with simple control.

Choice of build. Standard, airtight, or airtight with thermal insulation.

Choice of actuation. Manual, pneumatic or electric.

Standardised design. Easy to maintain and replace.

Item	Options
Gate construction	Standard / airtight / airtight with thermal insulation
Valve construction	Standard / airtight
Actuation	Manual / pneumatic / electric

What it means for your mill: the gates can be matched to manual lines or fully automated PLC-controlled routes.

Multi-point Discharging Belt Conveyor

Switch discharge points without stopping the belt



The multi-point discharging conveyor distributes grain along its route to several bins or machines.

No stopping to switch. A telescopic drive moves the discharge point under full load without stopping the flow.

Belt protected. Discharge avoids squeezing and wearing the belt, for a longer belt life.

Few moving parts. Only two moving components, so fewer failure points.

Long routes, low cost. Multiple drives can be combined for long-distance conveying.

Easy service, little dust. A split head cover for maintenance and a labyrinth dust seal.

Item	Options
Control	Local or remote
Return support	Wear-resistant plate or air cushion
Discharge arrangement	Distributing discharge trolley

What it means for your mill: one conveyor can feed a whole row of bins, switching between them under load.

TLSS Screw Conveyor

Screw conveying from 2 to 37 t/h



The TLSS moves grain and flour horizontally or at an incline through a screw trough.

Flights for the duty. Machine-formed flights in different thicknesses meet different wear needs.

Wear-resistant hanger bearings. Intermediate hanger bearings are wear-resistant plain bearings.

Balanced screw. Each screw is statically balanced after it is joined to the shaft.

Variable speed. Variable-speed versions run at 60 to 160 r/min.

Model	Capacity (t/h)	Power (kW)
TLSS160	2–6	0.75–1.5
TLSS200	4–12	1.5–3
TLSS250	7.5–23	1.5–4
TLSS300	13–37	3.0–4
TLSS400	20–53	3.0–5.5
TLSS500	25–75	5.5–11

What it means for your mill: a TLSS300 carries 13–37 t/h on 3–4 kW.

Enclosed Three-roller Cushion Conveyor

Enclosed belt conveying that keeps dust and rain out



The enclosed three-roller conveyor supports the belt on two inclined rollers and one flat roller.

Deeper trough, more capacity. Staggered three-roller support gives the belt a deep trough shape.

Less wear. All rollers run at the same line speed, reducing belt and roller wear.

Dust-proof and rain-proof. The conveyor is fully enclosed.

Bearings outside the dust. External bearing housings keep dust out and are easy to maintain.

Feature	Description
Roller layout	Two inclined rollers and one flat roller
Bearing position	Outside the enclosure
Access	Removable cover and roller maintenance access

What it means for your mill: a TDS80 three-roller conveyor carries 200–450 m³/h in an enclosed casing.

Single-roller Belt Conveyor

Single-roller support with plate or air-cushion return



Two return options. Single roller with a wear-resistant plate, or with an air cushion.

Fine adjustment. The drive bracket has fine-adjustment provisions.

Feature	Options
Support option 1	Single roller with wear-resistant plate
Support option 2	Single roller with air cushion
Adjustment	Drive bracket with fine-adjustment provisions

What it means for your mill: a TDS80 single-roller conveyor carries 200–400 m³/h.

Centrifugal Fans

Fans for aspiration and pneumatic conveying



Medium- and low-pressure 4-72 fans serve ventilation and dust aspiration; high-pressure 6-30 fans serve pneumatic conveying.

Low power, high efficiency. Laser-cut and die-formed parts give efficient, low-noise, smooth running.

Matched to the duty. Speeds of 1,450 or 2,900 rpm and several impeller sizes.

Model	Motor (kW)
4-72 No.2.8 A	1.5
4-72 No.3.2 A	2.2
4-72 No.3.2 A	1.1
6-30 No.5 A	1.5
6-30 No.5 A	5.5–7.5
6-30 No.6 A	3

What it means for your mill: one 4-72 No.3.2A moves up to 3,517 m³/h of air on 2.2 kW.

Air Compressor & Air Treatment

Compressed air sized to your mill



Compressed-air supply and treatment for packing machines, pneumatic roller mills, bag filters and gates.

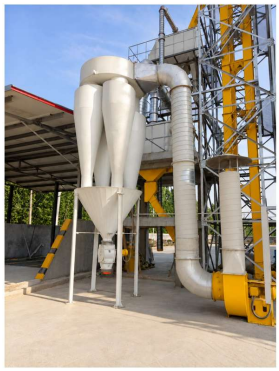
Sized to the load. Delivered flow, pressure, receiver volume and dryer and filtration package are selected for the mill's actual compressed-air users.

Specification	Status
Delivered flow and pressure	On request
Motor power and receiver volume	On request
Dryer and filtration package	On request

What it means for your mill: one supplier for the machines and the clean, dry air they need.

Cyclone Separator

Body diameters from 250 to 2,300 mm



Cyclones separate product or dust from air in pneumatic conveying and aspiration systems.

Built to your system. Body diameters from 250 to 2,300 mm, with lipped or welded-flange connections.

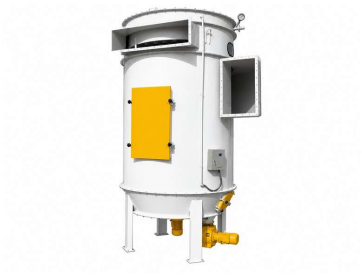
Finish to suit. Powder-coated, galvanised or stainless-steel construction.

Configuration	Body diameter (mm)	Connection	Wall thickness (mm)
Lipped connection range	250–1,000	6 mm lip	2 or 3
Flanged range, up to 1250	1,120–1,250	Welded flange	2 or 3
Larger flanged bodies	Above 1,250–2,300	Welded flange	3

What it means for your mill: cyclones can be made to match the exact air volume of each pneumatic line.

TBLM Pulse Jet Bag Filter

Low-pressure pulse cleaning with no moving parts to wear



The TBLM separates dust from air in grain and flour-processing systems, for gas below 80 °C.

Gentle, effective cleaning. Low-pressure pulse jets at 0.05 MPa clean the bags.

No air leaks. An improved air-header design is stronger under pressure and does not leak.

No mechanical wear. Solenoid valves control the cleaning pulses, with no mechanical wear or error.

Three bag lengths per model. 1,800, 2,000 or 2,400 mm bags to match the air volume.

Model	Filter area (m²)	Power (kW)
TBLM26	17 / 19 / 23	0.75
TBLM39	25.5 / 28.5 / 34.5	1.1+0.75
TBLM52	35 / 38 / 46	1.1+0.75
TBLM78	51.5 / 57 / 69	1.5+1.1
TBLM104	68.5 / 76.5 / 92	1.5+1.5
TBLM130	88 / 99 / 117.5	2.2+2×1.1

What it means for your mill: a TBLM78 with 2,400 mm bags handles up to 20,250 m³/h of air.

TGFY Rotary Airlock

Discharges cyclones and filters without losing air



The TGFY discharges material from cyclones and filters while keeping the air system sealed.

Four sizes. 4 to 9 L rotor volume, 0.75–1.1 kW.

Compact. From 310 × 360 × 220 mm.

Model	Motor (kW)	Weight (kg)	L × W × H (mm)
TGFY-4	0.75	28	310 × 360 × 220
TGFY-5	0.75 / 1.1	51	320 × 430 × 313
TGFY-7	0.75 / 1.1	62	370 × 430 × 313
TGFY-9	1.1	68	410 × 430 × 313

What it means for your mill: pneumatic lines keep their pressure, so they convey the rated amount.

Bag Sewing & Conveyor

Closes and moves 200–300 bags an hour



The sewing conveyor closes filled bags and carries them from the packing station to the next handling step.

Automatic sewing. Automatic thread cutting, automatic start and stop, and an automatic bag counter.

Fits every bag height. The sewing head is height-adjustable on its column.

Low power. 0.37 kW for sewing and 0.37 kW for the conveyor.

Model	Sewing power (kW)	Sewing motor (rpm)	Conveyor power (kW)	L × W × H (mm)
TDS	0.37	1,380	0.37	2,120×836×1,684

What it means for your mill: one sewing line keeps up with 200–300 bags an hour on 0.74 kW in total.

FMWL Micro Doser

Stainless-steel dosing for flour improvers and fortification



The FMWL meters small additions such as improvers, enzymes or vitamins into wheat or maize flour.

Food-grade. SUS304 stainless-steel construction.

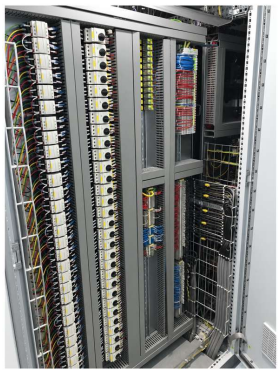
Compact. 750 × 480 × 710 mm, 750 W.

Model	Power (W)	L × W × H (mm)	Weight (kg)
FMWL	750	750×480×710	66

What it means for your mill: meet flour-fortification requirements with a small, food-grade doser on the flour line.

PLC Control Cabinet

PLC control for single machines or the whole mill



PLC control cabinets run individual machines or the full mill sequence.

Built around your process. Configured to the mill's motor list, field instruments and start-stop sequence.

Tidy, serviceable wiring. Separate wiring ducts, terminal rows and accessible motor-control parts.

Item	Configuration basis
Control platform	PLC automation
Scope	Configured to the mill process and customer requirements

What it means for your mill: start-up, shutdown and interlocks run in the right order every time.

LCS Automatic Weighing & Packing Machine

From 150 to 600 bags an hour, single or double station



The LCS weighs and fills flour, bran and other powders into bags, in single-station or double-station layouts.

Automatic from weighing to sealing. Weighing, filling, bag clamping and transfer to the sewing conveyor are automatic; the operator only places the empty bag.

No re-weighing, no flour dust. Accurate weighing removes the need to check-weigh, and the enclosed filling keeps dust down.

Works with any flour supply. Suits large and small mills, with or without flour bins, and with continuous or intermittent flour flow.

Food-grade contact parts. Parts in contact with the product are food-grade stainless steel.

PLC control. High-speed sampling and PLC processing manage different bag sizes.

Model	Capacity (bags/h)	Power (kW)	L × W × H (mm)
LCS5	300–350	2.2	2,100×1,300×2,700
LCS10	260	2.2	2,100×1,300×2,700
LCS25	150–180	2.2	2,100×1,300×2,700
LCSD5	500–600	2.2×2	4,200×1,500×3,200
LCSD10	500	2.2×2	4,200×1,500×3,200
LCSD25	350–480	2.2×2	4,200×1,500×3,200

What it means for your mill: a double-station LCSD5 packs 500–600 small bags an hour; an LCS25 packs 150–180 bags of 25–50 kg.

SFSP Hammer Mill

2 to 5 t/h of grinding on one 560 mm rotor



The SFSP grinds maize and other grains with swinging hammers.

One rotor size, four capacities. All models share a 560 mm rotor, with 24 to 45 hammers.

Compact. Under 1.9 m long.

Model	Power (kW)	Capacity (t/h)	Weight (kg)	L × W × H (mm)
SFSP56×30	22	2	600	1,400×990×1,070
SFSP56×40	37	3	680	1,600×990×1,070
SFSP56×50	37	4	830	1,700×900×1,070
SFSP56×60	37	5	1,090	1,840×990×1,070

What it means for your mill: an SFSP56×60 grinds 5 t/h on 37 kW.

MNMS Horizontal Maize Peeler

Peels maize before degerming, 1.2 to 5 t/h



The MNMS removes the outer skin of maize in a horizontal arrangement before separation and milling.

Four sizes. From 1.2–2.8 t/h to 4–5 t/h.

Easy service. A front access panel opens the peeling section.

Model	Capacity (t/h)	Power (kW)
MNMS14	1.2–2.8	18.5–22
MNMS18A	2–2.5	18.5–22
MNMS25A	2.5–3.5	30–37
MNMS30A	4–5	37–45
MNMS18×2B	4–5	37–45
MNMS25×2B	2.5–3.5	45–55

What it means for your mill: an MNMS30A peels 4–5 t/h of maize.

MNJ Maize Degerminator / Polisher

Separates germ and polishes grits, 1.5 to 5 t/h



The MNJ removes the germ and polishes the endosperm in maize milling.

Built-in aspiration. Air volumes of 1,000–2,500 m³/h at 1,500 Pa.

Easy service, safe drive. Removable front panels, with the drive enclosed.

Model	Capacity (t/h)	Power (kW)
MNJ180	1.5–2.5	22
MNJ280	2.8–3.2	30
MNJ500	4.5–5	45
MNJ180×2	3–5	22×2
MNJS280×2	6–8	30×2
MNJS500×2	9–10	37×2

What it means for your mill: an MNJ180×2 degerms 3–5 t/h in one machine.

TSQX Maize Germ Selector

Separates germ on 0.5 kW



The TSQX separates the germ fraction in a maize line with air-assisted grading.

Low power. Two 0.25 kW motors.

Separate outlets. Each fraction is collected on its own outlet.

Model	Capacity (t/h)	Power (kW)	Weight (kg)	L × W × H (mm)
TSQX80	1–1.5	0.25×2	300	1,330×1,180×1,865
TSQX100	1.5–2	0.25×2	350	1,520×1,300×2,075

What it means for your mill: clean germ is a saleable by-product; a TSQX100 recovers it from 1.5–2 t/h of stock.

MNML Vertical Maize Peeler

Peels maize from 2.5 to 9 t/h



The MNML removes the outer skin of maize before separation and milling, in five capacity bands.

Wide range. From 2.5–3.5 t/h up to 7–9 t/h, on 18.5 to 55 kW.

Model	Capacity (t/h)	Power (kW)
MNML25	2.5–3.5	18.5–22
MNML30	3–4	30–37
MNML40/34	4–6	37–45
MNML46	7–9	45–55
MNML52	10–16	55–75

What it means for your mill: one MNML46 peels 7–9 t/h of maize for a larger maize line.

TT5H Batch Grain Dryer

Recirculating batch drying, 5 to 25 t per batch



The TT5H dries grain in recirculating batches before storage or processing.

Automatic or manual. Operated through an operator interface.

Protected operation. Temperature monitoring and overload protection.

Three sizes. 5–15, 7–20 and 10–25 t per batch.

Model	Power (kW)	Net weight (t)
TT5H-15	9.2	3.0
TT5H-20	13.15	3.7
TT5H-25	20.35	4.5

What it means for your mill: wet grain at harvest can be dried on site instead of being sold at a discount.

Hopper-bottom Steel Silo

100 to 2,000 t per silo, with full self-discharge



Steel silos with a full hopper bottom store grain and empty completely by gravity.

Empties itself. The full hopper bottom discharges the whole load with no sweep auger.

Sized to your needs. 100 to 2,000 t per silo.

Item	Range / construction
Storage capacity range	100–2,000 t per silo
Construction	Steel silo with full hopper bottom

What it means for your mill: buffer storage beside the mill that empties completely, so no old grain stays behind.

Connect the machines with the right fittings

Select geometry, connection, material and operating configuration from one coordinated range.

01	**Straight pipes**	Gravity spouts, push-in and spigot connections.
02	**Bends & segments**	Route material around the building and machines.
03	**Branches & forks**	Divide or combine the material route.
04	**Transitions**	Round-to-square and machine connection pieces.
05	**Inspection pieces**	Access points for checking and cleaning.
06	**Gates & valves**	Isolate or regulate the material stream.
07	**Two-way diverters**	Select the downstream destination.
08	**Multi-way distributors**	Connect a feed point to several routes.
09	**Flanged ducting**	Pipes, bends, branches, valves and flanges.
10	**Clamps & supports**	Join, seal and support the pipework.
11	**Wear-lined parts**	Lined sections for selected impact locations.

Send a marked-up layout

Include bores, centre distances, angles and connections so the fittings can be matched to the machines.

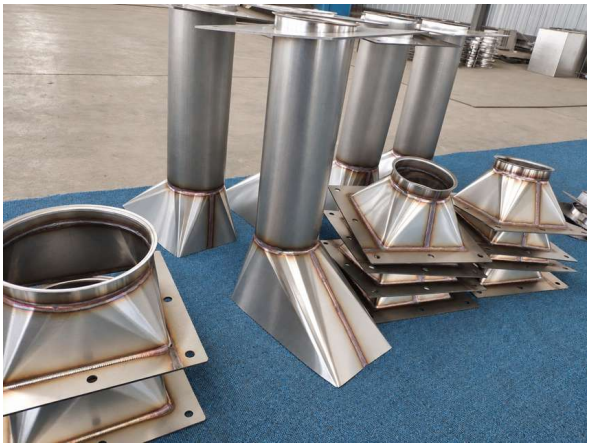
Pipework fittings



01 **Segmented elbows**



02 **Welded Y-branch**



03 **Square-to-round transitions**



04 **Inspection opening**



05 **Hand-operated throttle valve**



06 **Quick-connect pull-ring**

Spare parts that fit the first time

Wear parts for the machines in your mill, ordered by model number

A flour mill stops for the smallest worn part. We supply wear and spare parts by machine model, so what arrives fits the machine you have. Spare parts can also ship with a new mill in the same containers.

Roller mill parts

Rolls. Φ250 mm rolls for the SFMFQ series in five lengths from 500 to 1,250 mm. Rolls can be reground and refluted down to Φ230 mm before replacement.

Fluted and smooth rolls for break, sizing and reduction passages, matched to your roll length and diameter.

Roll brushes and scrapers that keep the roll surface clean.

Drive belts and bearings for each roller mill model.

What it means for your mill: keep one set of spare rolls on the shelf and swap a worn pair in a single shift, instead of waiting for a regrind.

Sifting and purifying parts

Sieve frames. Wooden frames with abrasion-resistant plastic lining, including 830 × 830 mm frames for double-bin plansifters.

Sieve cloth in the mesh your flow sheet calls for.

Sieve cleaners for plansifters and purifiers.

Purifier sieves, guide rods and rubber springs.







Cleaning, conveying and dust-control parts

Machine	Typical wear and spare parts
Scourers and brush machines	Beater boards, screens, brushes
Vibro separators and destoners	Punched steel screens, screen cleaners, vibration motors
Bucket elevators	Buckets, belts, head and boot pulleys
Screw and chain conveyors	Screw flights, hanger bearings, chains, scraper flights
Pulse jet filters	Filter bags, cages, solenoid valves
Rotary airlocks	Rotors, seals, drive motors
Spouting	Wear-lined bends and branch pieces
Packing	Scale parts, sewing heads, conveyor belts

Wear-lined spouting. Bends and branch pieces are supplied with a wear lining at the impact points, so the parts that wear first last longer.

How to order

1. **Machine model** from the nameplate.
2. **Part name or number**, or a photo of the part.
3. **Dimensions** for screens, sieve frames and spouting.
4. **Quantity.**

Send them to **sales@farivomill.com** or WhatsApp **+86 155 3803 1104**.

What it means for your mill: one supplier for the parts of every section, from intake cleaning to the packing scale.







Upgrade a running mill, one section at a time

Find the section that holds your mill back, and fix that first

Most upgrades start with one of these signs. Find yours, and you will see which part of the mill to look at.

What you see	What is usually behind it	Upgrade
Bags filled by hand, packers can't keep up	Manual or semi-automatic bagging is the slowest step after the mill	Automatic packing line
Bags weigh more than the label says	Scale accuracy and feeding; every gram over is flour given away	Weighing and bagging
Supermarkets ask for 1–5 kg packs, metal detection or date codes	The packing section was built for 50 kg bags only	Small-bag packers, detector, coder
Capacity went up, now pipes choke and stock backs up	The pneumatic network was sized for the old capacity	Re-sized pneumatic lift
Flour dust on every floor, filters always blocked	Leaking airlocks, worn bends, undersized or blinded filters	Aspiration and pulse filters
Bran and flour moved by hand or by long screw lines	No positive-pressure conveying to bins or loading-out	Positive-pressure conveying

How an upgrade works

1. You send the flow sheet, machine list and photos of the section.
2. We find the bottleneck and propose the section to change.
3. The new section is built to fit your building, your existing machines and your shutdown window.



Packing lines and pneumatic conveying

A packing line that fits behind your flour bins

We add a complete packing section or replace one machine in it. A line can be built in steps, starting with the scale and adding the detector or coder later.

Magnet (drawer type, stainless steel) → **Surge hopper** with level indicators → **Weighing and bagging**, single or double station → **Sewing and conveyor**, height adjustable → **Metal detector** (optional) → **Date coder** (optional), with a **pulse filter** at the packer for dust.

Model	Stations	Bag weight	Speed (bags/h)
LCS5	Single	1–5 kg	300–350
LCS10	Single	10 kg	260
LCS25	Single	25–50 kg	150–180
LCSD5	Double	1–5 kg	500–600
LCSD10	Double	10 kg	500

Pneumatic conveying sized for today's capacity

When capacity goes up, the pneumatic network has to grow with it. We re-size the fan, pipes, cyclones, airlocks and filters together, so stock moves without choking and the floors stay clean.

What it means for your mill: more flour out of the same building, without rebuilding the mill.





Questions before you order

How do we pay?

All payments go to our company bank account, by T/T or letter of credit. The deposit and balance are set in the contract.

What warranty do we get?

Roller mills, plansifters and purifiers carry 3 years; cleaning, conveying and packing machines carry 1 year. The warranty for each machine is shown on its line in the quotation. Wear parts such as roll surfaces, belts, screens, brushes and filter bags are not covered.

Can we see the machines before they ship?

Yes. We can set up a video call from the workshop, or you can visit with us. Machines ship only after you approve the pre-shipment inspection, and you can send your own third-party inspector.

Who installs the mill?

Our engineers supervise installation and start-up on site and train your operators. Civil works, local labour and lifting equipment are on the buyer's side.

What does the quotation include?

Every machine with its motor, listed by model, quantity and power; the platform or supports, spouting, pneumatic lift, dust filters and airlocks; control cabinets, cables and the air compressor. Spare rolls, sieves and wear parts can be added.

How do we order spare parts later?

Send the machine model, part number or a photo with dimensions. We supply wear parts by model number.

What happens after start-up?

We support your team by video call and keep supplying wear parts for the machines we delivered.

Send what you know

Planning a new mill

1. **Capacity:** tonnes of wheat a day now, and the capacity you plan to reach.

2. **Wheat:** origin, hard or soft, how much dirt and stone it carries.

3. **Flour:** which flours you sell, target extraction and ash, bag sizes.

4. **Site:** site plan or building drawing with heights.

5. **Power:** voltage, frequency and the capacity of your connection.

6. **Timing:** when you want to mill the first wheat.

Upgrading a running mill

1. **Existing line:** flow sheet, machine models and current hourly output.

2. **The problem:** the bottleneck or product result you want to change.

3. **Interfaces:** photos, inlet and outlet dimensions, floor levels.

4. **Services:** electrical supply, air and dust-control arrangement.

5. **Shutdown window:** how long the mill can stop for the work.

A first configuration can start from a few lines on WhatsApp. Drawings and photos make it more exact.

sales@farivomill.com · WhatsApp +86 155 3803 1104

Build equipment business in your market

For flour mill equipment distributors, engineering companies and installation service businesses.

Your local market

Mill owners, project needs and service access.

Farivo technical support

Equipment information, selection and itemised offers.

A defined opportunity

Agreed responsibilities and commercial terms.

Regional representation

Develop the market and equipment range with agreed territory and responsibilities.

Project cooperation

Bring a customer requirement and work through the technical scope, offer and project commission.

Spare-parts distribution

Build recurring enquiries around actual models, part dimensions and quantities.

Support from Farivo

Product information, catalogues, quotation support and product/application training.

Start with a real requirement

Send your company profile, country, customer base, relevant equipment experience and local installation or after-sales capabilities. Include a live project if you have one.

Scan to enquire about agency cooperation

Farivo

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