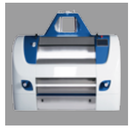
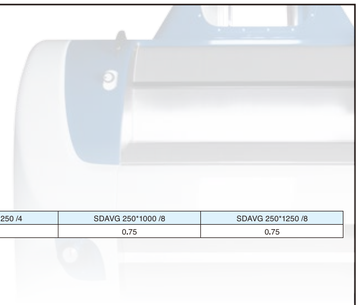
Milling

ROLLERMILL

The new Rollermill is designed to provide the following key improvements.



FEATURES:
- Improved Grinding Capability
- Simplified Maintenance
- Hygiene and Sanitation



Model	SDAVG 250*1000 /4	SDAVG 250*1250 /4	SDAVG 250*1000 /8	SDAVG 250*1250 /8
Feed Rolls (Kw)	0,75	0,75	0,75	0,75

PURIFIER

The Purifier is a newly redesigned state-of-the-art purifier which uses vibratory action to efficiently separate bran from middlings and semolina.



FEATURES:
- Improved Sanitation
- Improved Purification
- Improved Maintenance
- Improved Sampling

Model	SAISA 46 / 200
Motor (Kw)	2 x 0,40
Net Sieve Width (mm)	500
Air Volume (m3/min)	60

BRAN FINISHER

The Bran Finisher effectively cleans the bran, recovering flour which would otherwise be lost, thereby increasing extraction rate.



FEATURES:
- Easy Adjustment of Machine Inclination
- Hygienic, Self-Cleaning Design
- Hinged Door Access on Each Side Simplifies Maintenance
- Available in Two Motor Sizes to Suit a Range of Duties

Model	SBFB75	SBFB110
Capacity	1,800 kg/h	2,500 k/g
Required Power	7,5 kW	11 kW
Exhaust	6 m³/min	

IN-LINE FLAKE DISRUPTER

The In-Line Flake Disrupter has been developed to provide a more compact plant layout, by performing the flake disrupter process on stock whilst it is being pneumatically conveyed.

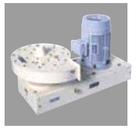


FEATURES:
- A Centrifugal Impact Machine to Break up Flakes and Improve Sifting Efficiency
- Floor, Ceiling or Wall Mounting to Suit

Model	SEDB037A	SEDB055A
Capacity	3,6 t/h	5,4 t/h
Required Power	3,7 kW	5,5 kW

PIN MILL

The Pin Mill is a multi purpose in-line machine specially designed for high rotor speeds for continuous grinding, infestation destruction and mixing of a wide range of cereal products, conveyed under suction (vertical mount type) gravity or suction (horizontal mount type)



FEATURES:
- Minimum Starch Damage

Model	SPM	
Capacity for Middlings (Using 18,5 kW Motor)	Rotor Speed rpm	Tons/Hour
	3000	1,0 ~ 6,0
	4500	1,0 ~ 5,0
	5000	1,0 ~ 2,5
Required Power	11, 15, 18.5, 22 kW	
Nominal Rotor Speed	3000, 4000, 4500, 5000, 5500 rpm	

PLANSIFTER

The Plansifter range is engineered to meet all anticipated sifting requirements in the milling industry.



FEATURES:
- Modular Construction
- Integral Motor and Drive
- V Belt Transmission
- Adjustable Throw and Selected Speed
- Wide Range of Machine Sizes
- Flexibility of Scheming
- Choice of Melamine Faced or Interlock Sieveboxes
- Insulation on All Doors and End Panels (Optional)

Model		SDPAK-G 430	SDPAK-G 630	SDPAK-G 830
No. of Compartments		4	6	8
No. of Sieves per Compartment		30	30	30
Net Sifting Area(inch)	Timber Frame	42,3	63,5	84,6
	Almisium Frame	49,6	74,5	99,3
Power Motor with 6-Poles (Kw)		7,5	7,5	11

DRUM DETACHER

The Drum Detacher is used for the gentle disruption of endosperm flakes without disintegrating any bran and germ particles present. It is particulaly useful on tail end reduction passages for increasing flour releases without causing any significant increase in ash or color.



FEATURES:
- All Metal Construction

Model	SDD30A
Capacity	1 t/h
Required Power	2,2 kW

Providing Quality and Service

WHEAT MILLING PROCESS



Creating the Future
SATAKE

Scale

BULK SCALE

The Bulk Scale is a high-efficiency, sanitary, load cell-based scale. It accurately weighs product flow at each stage of the process and records the material weight necessary for calculating milling yield, production rate and so forth.



FEATURES:
- Sanitary Features Consistent with HACCP
- High Weighing Accuracy
- Easy Maintenance Structure
- Data Communication with a Host Computer

Model	RDBS40A	RDBS80A	RDBS160A
Capacity	10 m³/hr	20 m³/hr	40 m³/hr
Volume per Batch	40 L	80 L	160 L
Weighing Accuracy	±0.1 % of Full Scale		
Required Air	0,24 ~ 0,30 Nm³/hr		
Air Pressure	0,4 MPa		
Required Power	AC100V±10 %, Single Phase, 250 W		
Operating Temperature	-5 ~ +40°C		
Transmitted Information (Interface RS422A)	Accumulated Weight (set weight, readout) Discharged Weight (set weight, readout), Error Signal		

EXTRACTION RATE SCALE

It is designed to measure continuously material throughput rate and weight for monitoring of granular materials. The accurate information is obtained regarding mill yield by installing a group of scales on different product lines.



FEATURES:
- Tolerance error warning alarm
- Easy maintenance by removing side covers
- Precise weighing
- Keyboard calibration and set up
- Automatic level control

Model	SDURA 24	SDURA 60	SDURA 120
Hopper Volume (dm3)	33,4	82,4	165,8
Capacity on Flour (t/h)	5	18	23,6

Flour Storage / Blending

INFESTATION DESTROYER

The Infestation Destroyer is designed for installation in finished flour/ingredient blowline. The intensive action of the machine disintegrates any insects, eggs or larvae present in the flour. Allowing flour to be safely stored for longer periods, particularly in hot climates.



FEATURES:
- Preventing the Development of Subsequent Infestation
- Designed for Ceiling, Wall or Floor Mounting

Model	SEDC037A	SEDC055A	SEDC075A	SEDC110A	SEDC150A	SEDC185A
Capacity	3,6 t/h	5,4 t/h	6,8 t/h	9,0 t/h	11,5 t/h	13,6 t/h
Required Power	3,7 kW	5,5 kW	7,5 kW	11,0 kW	15,0 kW	18,5 kW

Redressing

MONO/DUOSIFTER

The Mono/Duosifter is a high capacity sifter ideal for many applications in cereal milling and food industries and for sieving a wide range of granular and flourry stocks. The machine is particularly suitable for flour redressing (rebolt), maize (corn) milling and starch sieving. It can also be used for wheat grading and cleaning duties.



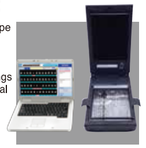
FEATURES:
- Up to Seven Separations per Stack
- Speed and Throw Matched to Specific Duty
- Hard Wearing Melamine Faced Sieves
- Detachable Outer Sieve Frames
- Completely Free Swinging
- Fiber Reinforced Suspension Rods
- Quiet Running
- Protective Cut-Out Switch

Model	STSA214A
Input Capacity	12 ~ 15 t/h
Required Power	2,2 kW (3HP)
Number of Sieves	28
Sieve Area	0,72 m²/sieve
Supported OS	190 ~ 292 rpm (50Hz)

Laboratory Equipment

GRAIN SCANNER 2

The Grain Scanner 2 analyzes the color and shape information of individual grains in short time.



FEATURES:
- Easy creation of user's own classification settings
- Scanner can store information for every individual grain as digital data

Model	RSQI10B
Testable Material	Wheat, Barley and Other Grains
Imaging Method	Light Source : LED (White) Sensor : CCD (Color)
Test Criteria	User's own settings
Supported OS	Windows XP / VISTA / 7 / 8 / 8.1 / 10

TESTING MILL

The Testing Mill is excellent for rapidly debranning a sample of wheat. It is solidly constructed from high-grade cast iron and steel. Again, installation is also very easy.



FEATURES:
- Small Quantity of Sample
- Laboratory Use
- Timer-controlled Operation

Model	TM05C
Required Power	0,4 kW
Roll Speed	750 ~ 1,450 rpm

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All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

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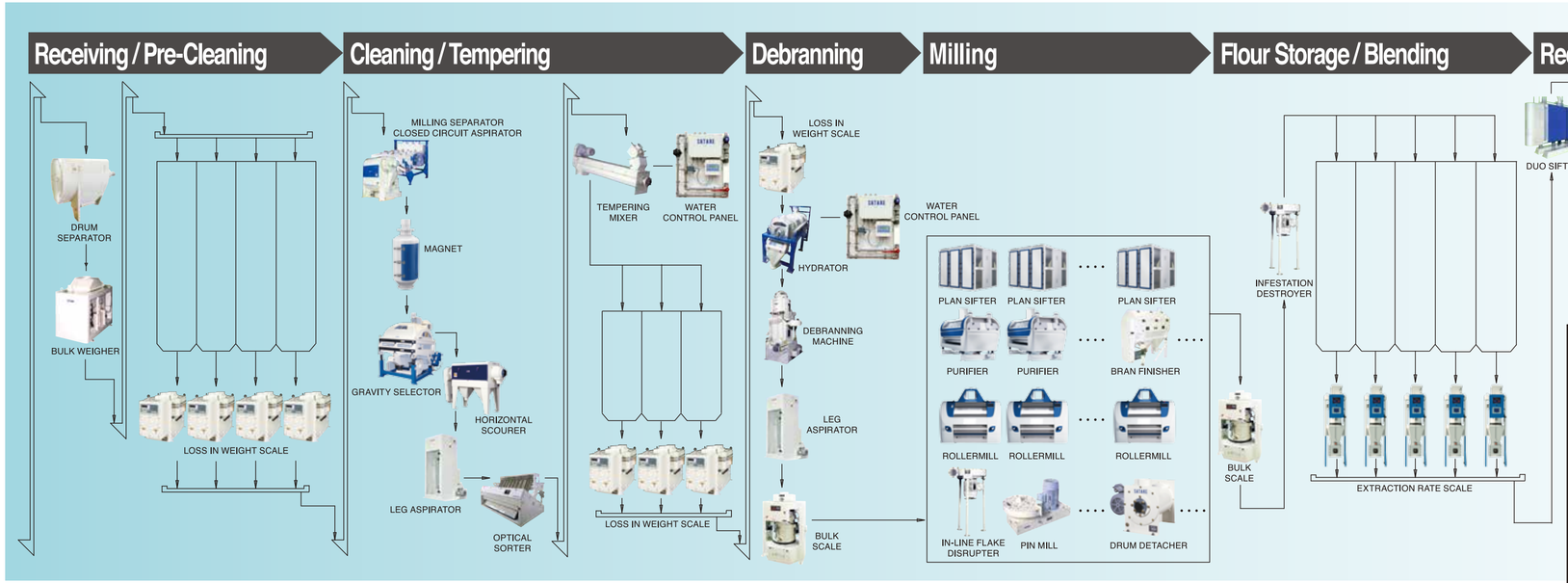
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ISO 9001 Certification (Quality Management Systems)
ISO 14001 Certification (Environmental Management Systems)

SATAKE CORPORATION has obtained ISO9001 and ISO14001 certification. These international standards for management systems ensure Satake will continue to provide high quality products and services.

No. 734-04



Debranning(PeriTec)

DEBRANNING MACHINE

The Debranning Machine delivers optimum debranning operation and improved product quality.



FEATURES:
- Combined Abrasion and Friction
- Superior Designs
- Higher Product Quality
- Unmatched Precision
- Removal Rates up to 10 % Depending on Raw Material Characteristics

Model		VCW3A	VCW5A	VCW10A
Capacity		2 – 3 t/h	4 – 5 t/h	5 – 10 t/h
Required Power	Motor	55 kW-4P	90 kW-4P	165 kW-6P
	Fan	1,5 kW-2P	1,5 kW-2P	2,2 kW-2P
	Screw Conveyor	1,5 kW-4P	1,5 kW-4P	1,5 kW-4P
Air Volume		60 m³/min	75 m³/min	130 m³/min
Static Pressure		690 Pa	690 Pa	1,470 Pa

HYDRATOR

The Hydrator is an innovative grain tempering mixer designed to provide high levels of moisture addition in a single operation.



FEATURES:
- Uniform Moisture distribution
- High Degree of Absorption before Discharge
- Sanitary Construction
- Allows a Simplified Tempering System with Reduced Bin Space

Model		SHD10B
Increase of Moisture		1 – 7 %
Max Capacity		10 t/h
Required Power	Vibromotors	1,7 kW-2P
	Paddle Motor	3,7 kW-4P

DEBRANNING MACHINE

The Debranning Machine removes bran while maintaining grain's original shape.



FEATURES:
- Consistent Debranning
- Compact Design
- Easy Part Replacement

Model	VTA5AA-TA	VTA10AB-TA	VTA15AB(2)-T	VTA20AB-T
Capacity	3 t/h	5 t/h	7 t/h	10 t/h
Required Power	45 kW	55 kW	75 kW	90 kW

Receiving / Pre-Cleaning

DRUM SEPARATOR

The Drum Separator separates cleaned grains from impurities. Clean grains pass through the drum screen while impurities are directed to the impurities outlet via the spiral in the drum.



FEATURES:
- Very High Capacity
- Robust with Low Maintenance Requirement

Model	SDIA
Max. Capacity	200 t/h
Required Power	1,5 kW
Air Volume	12 m³/min
Static Pressure	+0,2 – -0,5 kPa

LOSS IN WEIGHT SCALE

The Loss in Weight Scale provides continuous weight measurement and control of material flow. Suitable for free flowing granular materials.



FEATURES:
- Maintains Set Flow Rate
- Accumulates Material Weight Accurately
- Tubular Sanitary Construction

Model	SLS20CA-T	SLS40CA-T
Flow Control Range	20 m³/hr	40 m³/hr
Power Source	100V AC, 300 VA	
Compressed Air Pressure	0,4 MPa	
Required Air Volume	3,0 NL/min	

TWIN BULK SCALE

The Twin Bulk Scale is reliable compact machine of sanitary construction.



FEATURES:
- Extremely Accurate Weighing
- Compact Design
- Can be Linked to Central PLC

Model	STBS40C-T	STBS80C-T	STBS120C-T	STBS200C-T
Capacity	20m³/h	40m³/h	60m³/h	100m³/h
Accuracy	±0,1 % FS			
Power Source	AC100±15V (50/60V)			
Required Power	100W			
Air Pressure	0,4 MPa			
Air Volume	15 nl/min	20 nl/min	80 nl/min	80 nl/min
Ambient Temperature	0 – 50°C			

Cleaning / Tempering

MILLING SEPARATOR WITH CLOSED CIRCUIT ASPIRATOR

The Milling Separator is an all purpose separator designed for the efficient separation of large coarse material and small fine material during the wheat cleaning process.



FEATURES:
- Improved Separation
- Increased Sieve Capacity
- Robust with Low Maintenance Requirement
- Easy Sieve Removal
- Easily Removable Inspection Cover
- Simple and Precise Motor Alignment
- Outlet to Suit Leg or Closed Circuit Aspirator

Model		SFI1000A-T + SCA1000A-T	SFI1500A-T + SCA1500A-T
Capacity	Intake	65 t/h	100 t/h
	Cleaning	16 t/h	25 t/h
Required Power		2 kW	2,2 kW
Air Volume		12 m³/min + 10 m³/min	12 m³/min + 12 m³/min
Fan		3,7 kW-2P	2 x 3,7 kW-2P
Vibratory Feeder Screw		0,4kW-4P	0,4kW-4P

MAGNET

The Magnet removes ferrous particles with high frequency electromagnetic fields.



FEATURES:
- Compact Design
- Easy Operation

Model	SKDMB 120	SKDMB 150	SKDMB 170	SKDMB 200	SKDMB 250
Capacity on Wheat (t/h)	9	18	25	50	75

GRAVITY SELECTOR

The Gravity Selector concentrates impurities for more efficient separation by subsequent machines. It separates the material into four groups by category: stones and other heavy impurities, whole clean grain, low density and damaged kernels with light impurities, dust.



FEATURES:
- Very Low Maintenance
- Compact Design

Model	SGA5A-T	SGA10A-T	SGA15A-T	SGA5B-T	SGA10B-T	SGA15BD-T
Capacity	6 – 9 t/h	9 – 18 t/h	18 – 30 t/h	5 – 7 t/h	7 – 13 t/h	13 – 18 t/h
Required Power	2,2 kW	2,7 kW	2,7 kW	2,2 kW	2,7 kW	2,7 kW
Air Volume	80 – 90 m³/min	160 – 170 m³/min	190 – 210 m³/min	80 – 90 m³/min	120 – 140 m³/min	180 – 210 m³/min
Static Pressure	-0,7 kPa					

HORIZONTAL SCOURER

The Horizontal Scourer has been engineered to provide a thorough scouring action and impacting effect on grain, and is used in various places within grain cleaning plants.



FEATURES:
- High Throughput with Intense Scouring Action
- Low Space and Power Requirement
- Sanitary Design
- Easy and Rapid Replacement of Sieve Drum
- Provides Most Hygienic Storage Conditions
- Improves Final Product Quality

Model	SHSA10A	SHSA20A	SHSA30A
Capacity	10 t/h	15 t/h	30t/h
Required Motor	11 kW-4P	15 kW-4P	22 kW-4P
Dust Suction	8 m³/min	12 m³/min	
	-0,3 – -0,2 kPa		

AIR LEG ASPIRATOR

The Air Leg Aspirator is designed for the effective separation of light impurities from granular materials. It is available as a "stand alone" aspirator or may be used in conjunction with other Satake separators, debranners or scourers.



FEATURES:
- Effective Separation
- Ideally Suited for Use in Grain Intake and Grain Cleaning Plants

Model	SLAA600	SLAA1000	SLAA1500
Capacity	Intake: 36 t/h, Cleaning: 9 t/h	Intake: 60 t/h, Cleaning: 15 t/h	Intake: 90 t/h, Cleaning: 24 t/h
Air Volume	Intake: 36 m³/min, Cleaning: 40 m³/min	Intake: 60 m³/min, Cleaning: 90 m³/min	Intake: 90 m³/min, Cleaning:135 m³/min
Required Power	0,25 kW		

OPTICAL SORTER

The REZS series produces the cleanest possible product.



FEATURES:
- Latest Full Color Cameras to Recognize the Target just like the Human Eyes Do
- Improved Color Touch Screen Operated by Flick Scrolling
- Advanced Software to Evaluate Color Profile of Target Defects and Automatically Creates the Sensitivity Settings

Model	REZS 2000 / 2500		REZS 4000 / 4500			REZS 6500 / 6540		
	BI	BI	BI	AIS	DIS	BI	AIS	DIS
Capacity on Wheat (t/h)	6-9	4-6	12×18	8×12	8×12	18-27	12×18	12×18
Sorting Type	All Primary	Resort	All Primary	Resort	Tertiary	All Primary	Resort	Tertiary

WATER CONTROL PANEL

The Water Panel controls and monitors the flow rate of water using all electronic components. The main use is add water to wheat and other cereal grains before milling.



FEATURES:
- Allowing Semi-Automatic Operation

Model	SWEC150	SWEC900	SWEC1400	SWEC2000
Water Flow Rate	15 – 150 L/h	90 – 900 L/h	140 – 1,400 L/h	200 – 2,000 L/h

TEMPERING MIXER

The Tempering Mixer is a continuous mixer specially designed to properly apply and distribute measured amounts of moisture uniformly to each and every kernel of grain.



FEATURES:
- Moisture Additions as High as 7 %
- High Capacity with Low Power Requirement
- Uniform Mixing within the Hygienic Stainless Steel Assembly
- Quiet Running with Low Maitenance

Model	STMA 23A	STMA 31A	STMA 36A	GTMA S41	GTMA S46	GTMA S51	GTMA S56	GTMA S61	GTMA D51
Capacity	5,5 t/h	11,0 t/h	18,0 t/h	26,0 t/h	34,0 t/h	48,0 t/h	65,0 t/h	82,0 t/h	136,0 t/h
Required Power	1,5 kW	2,2 kW	3,7 kW	4,0 kW	5,5 kW	7,5 kW	7,5 kW	7,5 kW	2×5,5 kW
Air Volume	6,0 m³/min			5,7 m³/min		8,5 m³/min			17,0 m³/min