



HENRY SIMON
MANCHESTER 1878

R2

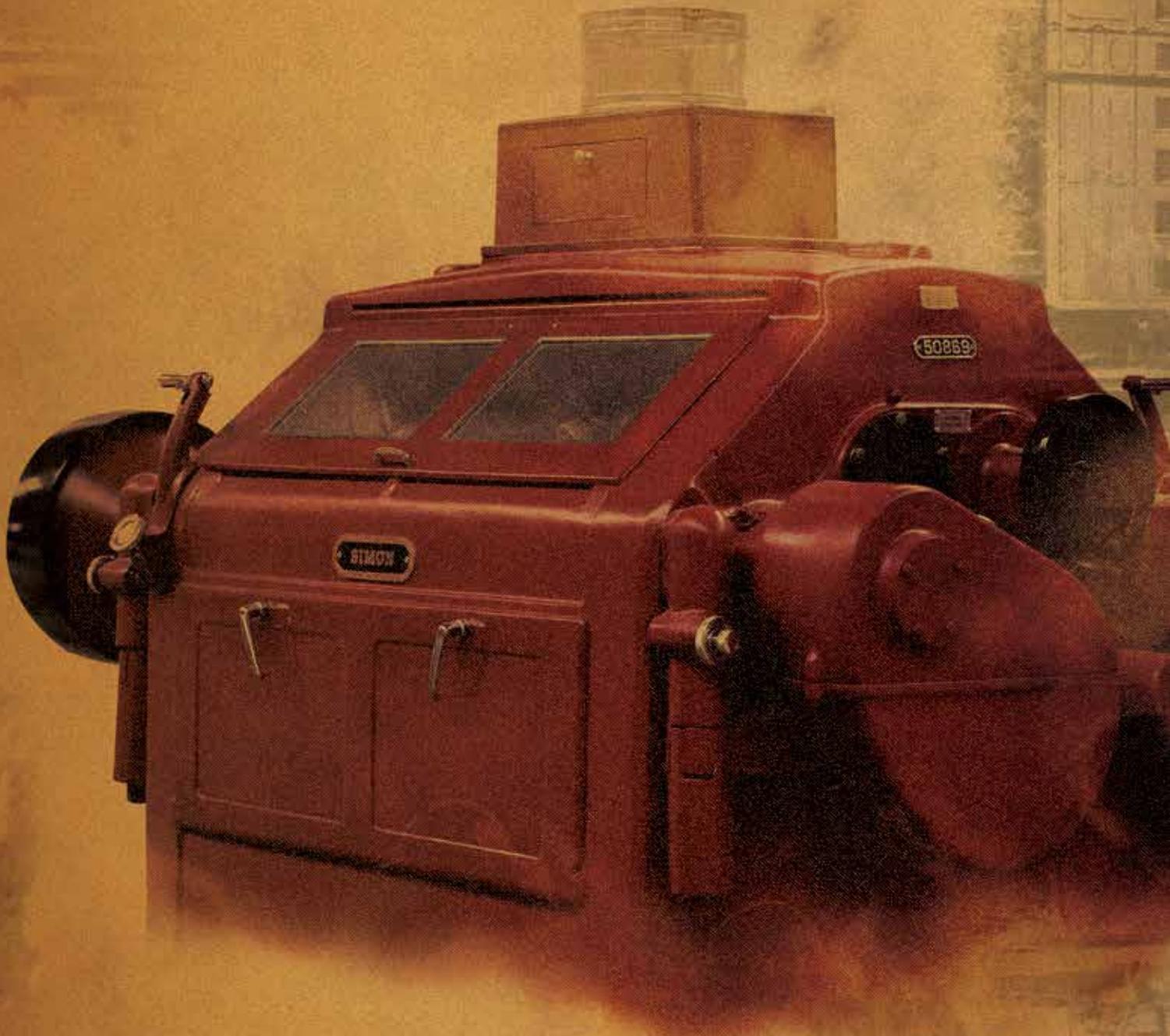



HENRY SIMON
MANCHESTER, UK



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It all began in 1878 when Henry Simon established Henry Simon Ltd., a company that became a world famous organisation – the Simon Engineering Group.



Henry Simon was born in 1835 in Brieg, Germany, in the Prussian province of Silesia. He studied engineering at Zurich, practiced in Europe and went to Manchester, England in 1860. In 1878, he built his first roller flour mill (Henry Simon Ltd.) and his first coke oven plant in 1881 (Simon Carves Ltd.) and devoted the rest of his life to the development of these two industrial companies.

SIMON MILLS GREW IN SIZE & CAPACITY

“We are face-to-face with the fact that the venerable millstone is doomed to give place to the chilled iron roller as surely as the wooden walls of old England have already been replaced by armour-plated walls of iron and steel”
(H McDonnell, MILL MANAGER 1884).



Henry Simon has been a principal facilitator
of the roller flour milling revolution in the
United Kingdom since 1868.



**SMART
SYSTEMS**
for SMART
MILLS

Henry Simon Headquarter

JAPAN

PARTNERSHIP for the Future

The strategic partnership between Satake Corp. and Alapala Machine Industry and Trade Inc. for Henry Simon brand enables the customer to exploit their joint know-how, experience, resources, global organization network.

With this strategic partnership, global coverage of the both businesses in grain milling industry has been extended. It also enabled both parties to strengthen their R&D, extend manufacturing facilities, thus globalized their sales and aftersales operations.

Thus, Henry Simon the legend of milling technologies is back.





PRES PRESENT FUTURE.



OVER 140 YEARS OF EXPERIENCE

We have learned that each machine built and installed becomes the soul and essence of the establishment. Every machine produced shares the same vision and principle; maintain the best quality and customer satisfaction, and never lose alignment with the soul.

HENRY SIMON ON THE MOVE

It has been over 140 years since the production of our first machine. We're renewed by the developing technologies and continue to deliver our machines to various locations around the world for the milling industry.





View of Millennium Mills, London, from the Dock Side

*Hosegood Industries Ltd. Mills,
Avonmouth / 1960s
(Archer Daniels Midland Company)*



*MOSS AKTIEMØLLER, Norway
(Lantmännen Cerealia)*

MANCHES



Co-Operative Wholesale Society Mill, Victoria Dock, Silvertown, London



A SIMON MILL and one of the largest roller flour mills in Europe / 1900s

*The NABISCO
(Mondelez International)
flour mill with a daily wheat capacity
of 1,400 tonnes. the largest capacity
milling complex ever built in the world.*





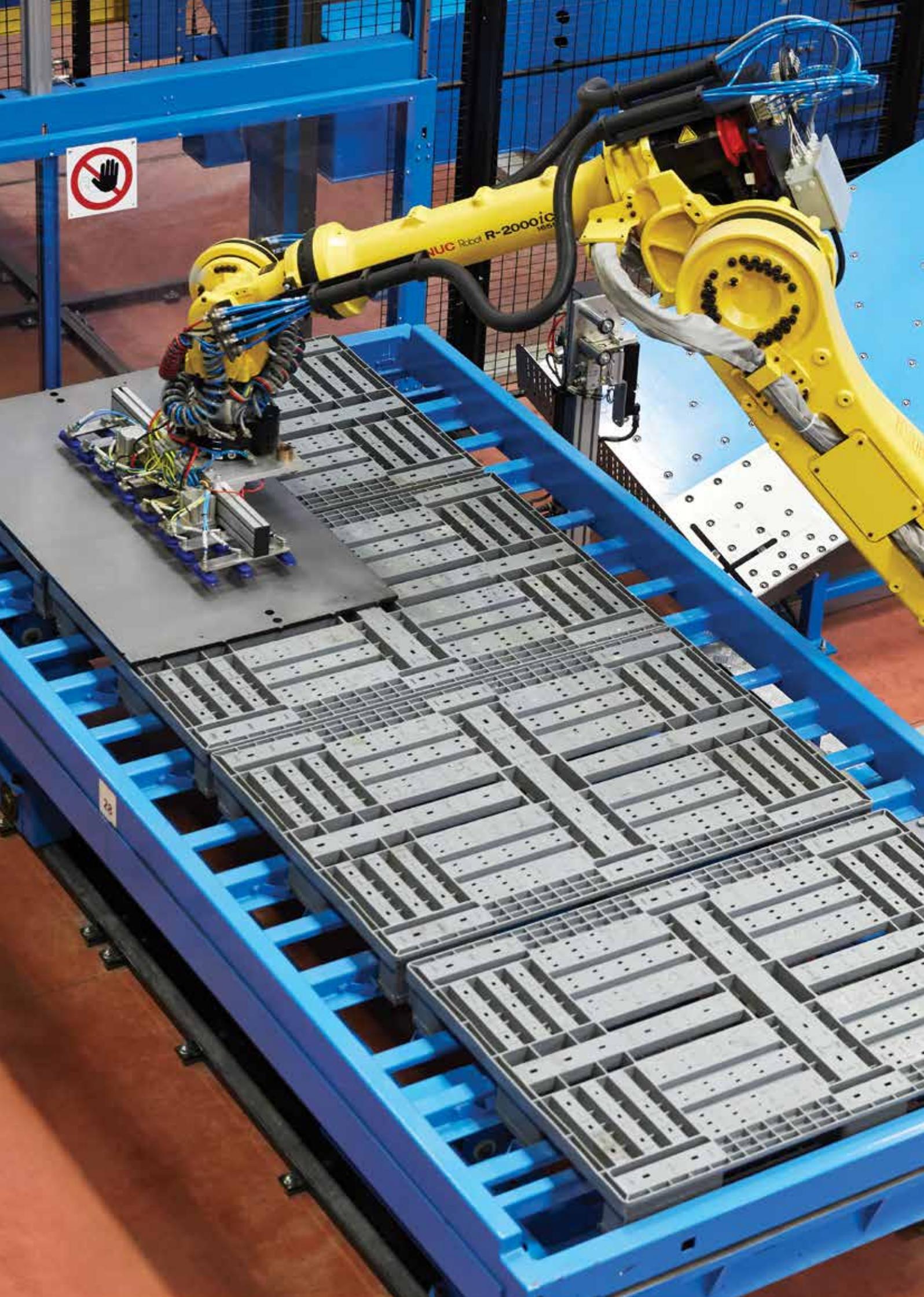
R2


HENRY SIMON
MANCHESTER 1878

HENRY SIMON FIELD OF ACTIVITIES

- ▶ Innovation and R&D
- ▶ Production
- ▶ Industrial Steel Buildings
- ▶ Process Engineering
- ▶ Automation
- ▶ After Sales Support
- ▶ Spare Parts





PRODUCTION & TECHNOLOGY

Innovation and robotic manufacturing technologies increase production efficiency and product quality. Henry Simon researchers are focusing their efforts on new, environmentally friendly manufacturing techniques suitable for large-scale production. Such solutions include optimised forming, CNC machining and robotic welding techniques along with automated assembly, automated painting techniques that provide flawless paintwork, and of course laser technology.

Our engineers and project managers are field-oriented, professionals at planning and overseeing all phases of the installation and commissioning process. Our automation and controls group can also implement a comprehensive control system for your process, with their extensive field experience. Henry Simon uses the latest “State of the Art” manufacturing facilities for the production of our full range of new high-tech products.



3.400

PROFESSIONAL STAFF

across the globe, providing global know-how and the agility to respond customer needs.

12

SALES OFFICES

around the world with technical sales professionals ready to provide customer focused service.

9

PRODUCTION PLANTS

across different continents, are highly automated, equipped with advanced technology robotics.

400+

TURNKEY PLANTS

across the world which are erected, built and commisioned in upmost professeional manner. Delivered plants, tailored to meet or exceed customer needs and expectations.

280

R&D TEAM MEMBERS

dedicated to innovation that will lead the industry in the production of healthy food worldwide.

ADVANCED SENSOR TECHNOLOGY

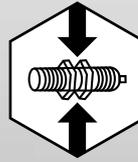
Every day, across the world, people need healthy food to survive. We need clean, rich in nutrition and well processed food to ensure our health, comfort and, not least, our productivity. Henry Simon is dedicated to find solutions to these challenges by providing the intelligent milling products and services. The Advanced Sensor Technology; enables the Henry Simon machinery to monitor its operating conditions in order to provide intelligent milling to improve the quality of the product.





Human Body Detecting Sensor

is designed to detect the operator when he/she is nearby and saves time while interacting with the machine. When the sensor is triggered the touchpanel turns on, unlocks, ready and waiting for a command to be entered by the operator



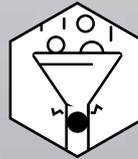
Air Pressure Sensor

is built to detect and warn about the air pressure loss in the pneumatic system of the machine which is also directly related with the grinding pressure on the main rolls



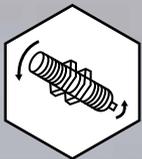
Stock Level Sensor

enables to adapt the feed flow rate by checking the stock level inside the feed tank for optimum and efficient product feeding



Hopper Clog Sensor

is used to warn the operator against clogging inside the lower hopper, which enables the machine operate smoother and minimize the unscheduled downtime



Feed Roll Rotation Sensor

enables the machine to track rotation speed variation of the feed rollers to ensure uniform and efficient milling



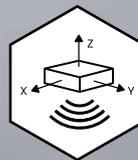
Ambient Sensor

is particularly designed to detect ambient condition (Temperature/Pressure/Humidity/Illuminance) for optimum and efficient milling



Roll Position Sensor

triggers to inform the operator to detect whether the main rollers are engaged or disengaged for a safer operation



Failure Prevention Sensor

is designed to detect excess machine vibration in 9 axis to prevent overall machine failure, minimizing unscheduled downtime



Main Roll Rotation Sensor

is designed to warn the operator when there is an unexpected malfunction in the main rolls due to belt problem or material clogging



Main Roll Temperature Sensor

is mainly responsible for the temperature variation on the main rolls to prevent heat related machine failure



Main Roll Bearing Temperature Sensor

tracks the bearing temperature variation in order to prevent the machine from bearing failure in the main rolls



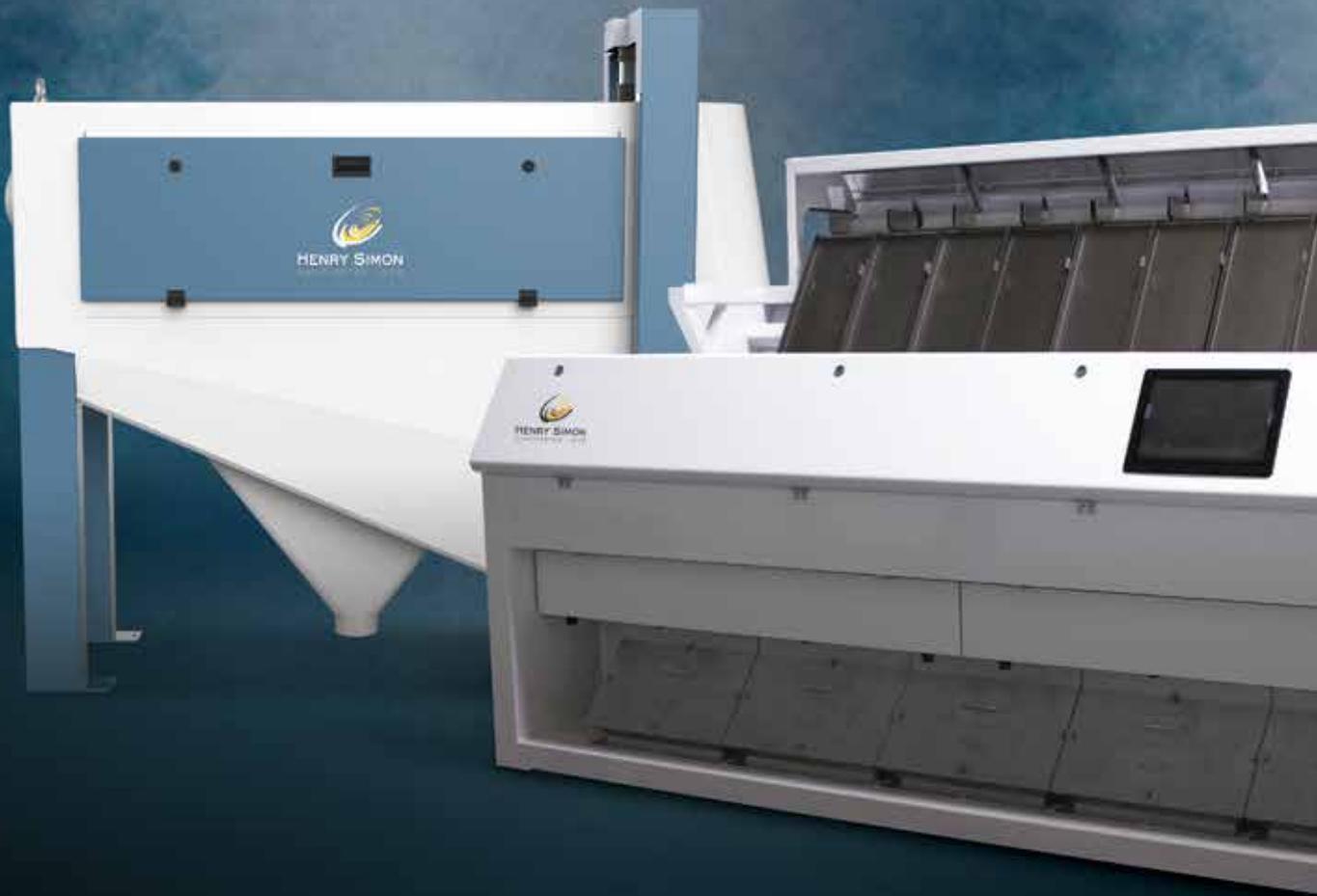
MANOSYS Pressure Gauge

is a standart sensing element that detects and warns the operator against the low differential air pressure for the machine aspiration for sustainable and efficient machine operation



Timing Belt Temperature Sensor

detects and warns the operator about the overheating of the timing belt which is an early prevention for the overall machine failure



*Henry Simon reserves the right to change, delete, or otherwise modify the information which is represented without any prior notice.

Cleaning Section



OPTICAL SORTER • WHEAT DEBRANNER • GRAIN SEPARATOR
INTENSIVE WHEAT SCOURER • GRAIN SEPARATOR CLASSIFIER(HSMTRA)
INCL. ASPIRATOR (HSMCSA) • AIR RECYCLING ASPIRATOR • LEG ASPIRATOR
DESTONER CLASSIFIER • INTENSIVE DAMPENING MACHINE • AUTOMATIC
DAMPENING DEVICE • HORIZONTAL INTENSIVE DAMPENING MACHINE
• TRIEUR MACHINE

OPTICAL SORTER

Product Code: **HSREZX**

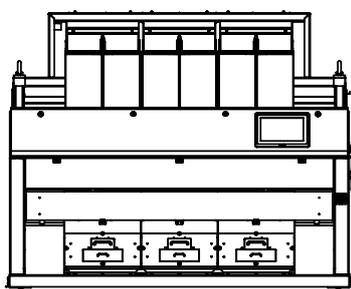
The new HSREZX is a full color, high capacity, cost effective optical sorter for product applications such as wheat, lentils, peas and other grains.



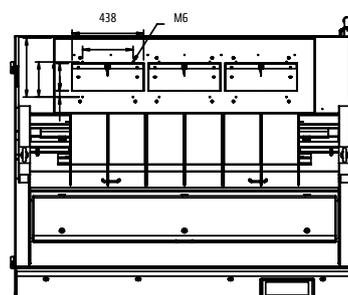
Features & Advantages

- Three stage sorting system (DIS model only)
- Automatic detect profiling
- Full color camera
- LED lighting
- Shape sorting

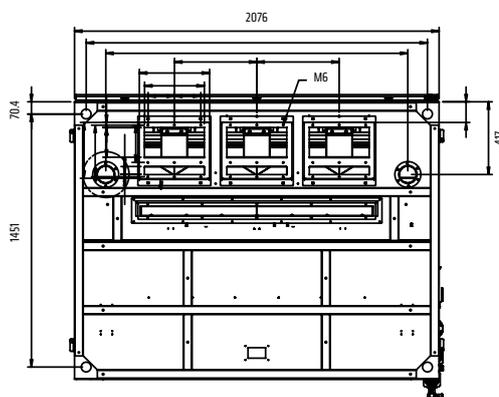
↓ Front View



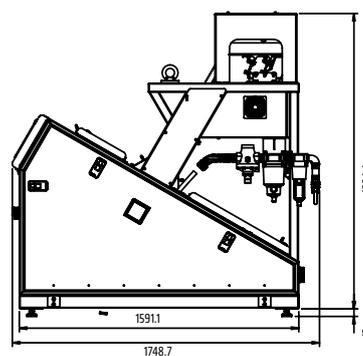
↓ Back View



↓ Top View



↓ Side View (LH)



Dimensions (mm)

Model	A	B	C
HSREZX4500	2.077	1.738	1628
HSREZX7500	2.902	1.695	1.592

Technical Features

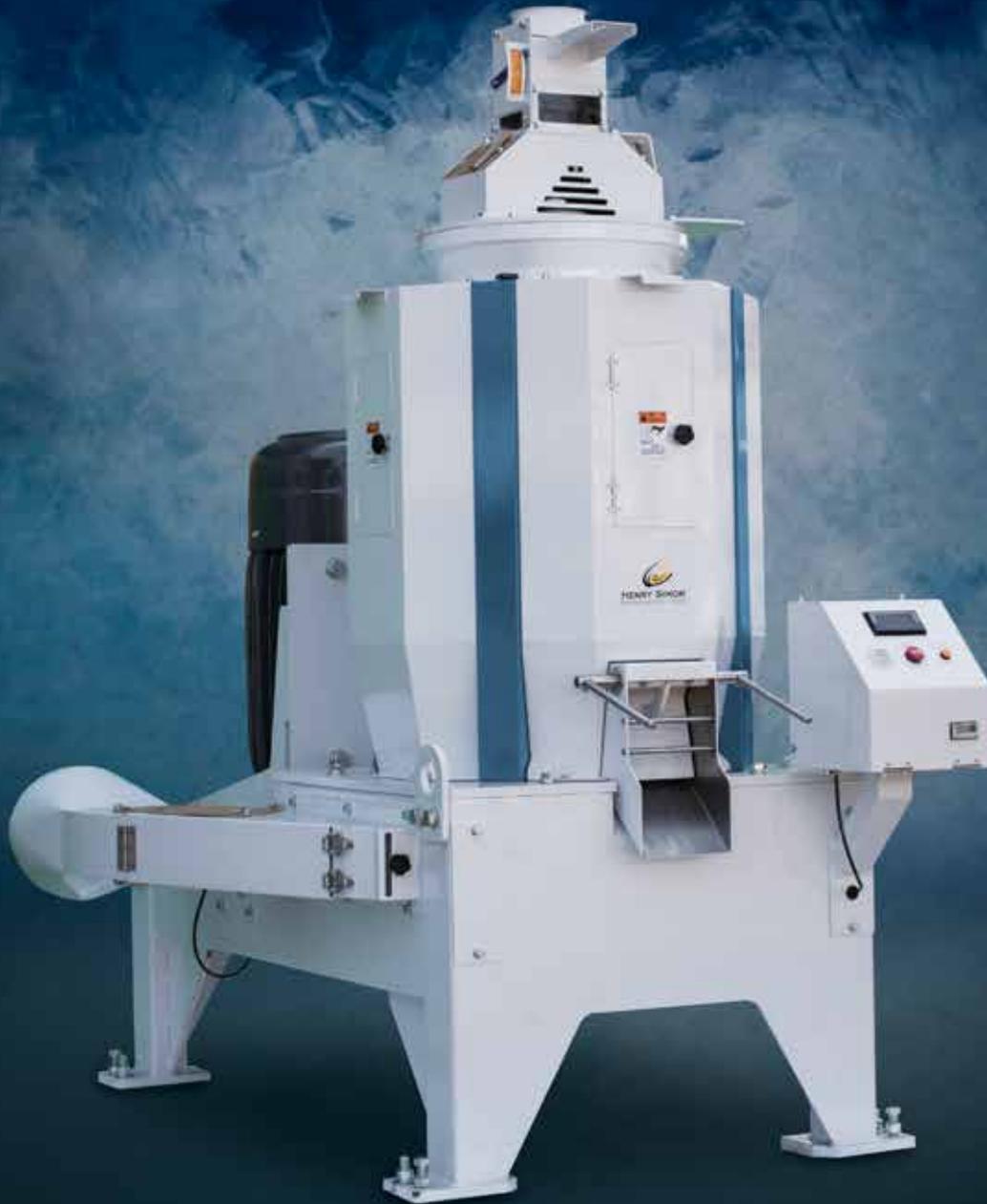
Model	Type of Sorting	Capacity (TPH)	Ejector Pitch (mm)	Air Compressor (kW)	Power Supply (V)
HSREZX4500BI	All Primary	12 - 18	5	11 - 15	Single Phase 200 - 240
HSREZX4500AIS	Re-sort	8 - 12	5	11 - 15	Single Phase 200 - 240
HSREZX4500DIS	Tertiary	8 - 12	5	11 - 15	Single Phase 200 - 240
HSREZX7500BI	All Primary	15 - 30	5	11 - 22	Single Phase 200 - 240
HSREZX7500AIS	Re-sort	12 - 18	5	11 - 22	Single Phase 200 - 240
HSREZX7500DIS	Tertiary	12 - 18	5	11 - 22	Single Phase 200 - 240

* Nominal capacities based on wheat/barley %3-5 contamination. Sorting performance varies depending on variety, condition of material and initial contaminations.

WHEAT DEBRANNER

Product Code: HSVTA

The improved Wheat Debranner is a high capacity machine designed for removing the outer bran layers from cereals such as wheat, barley and rye, by abrasion. The machine is exceptionally wear resistant and is designed for a trouble-free 24/7 operation.

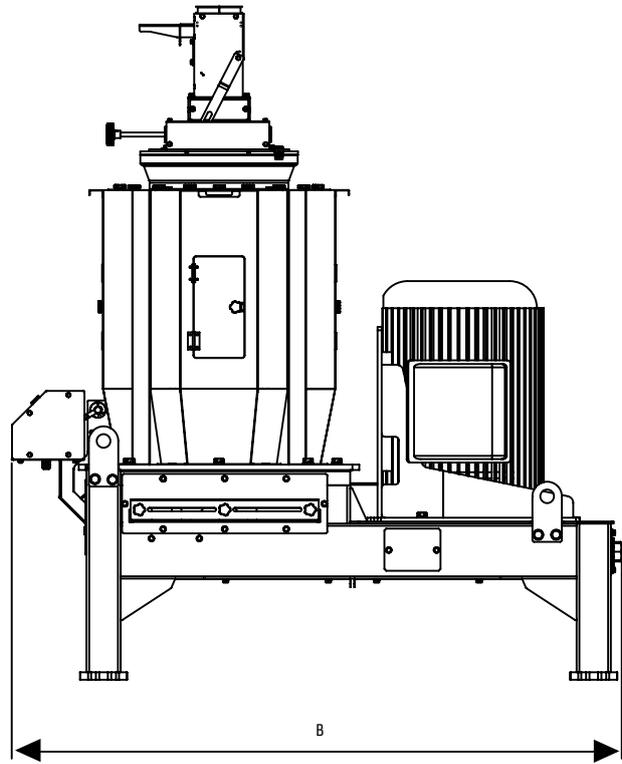
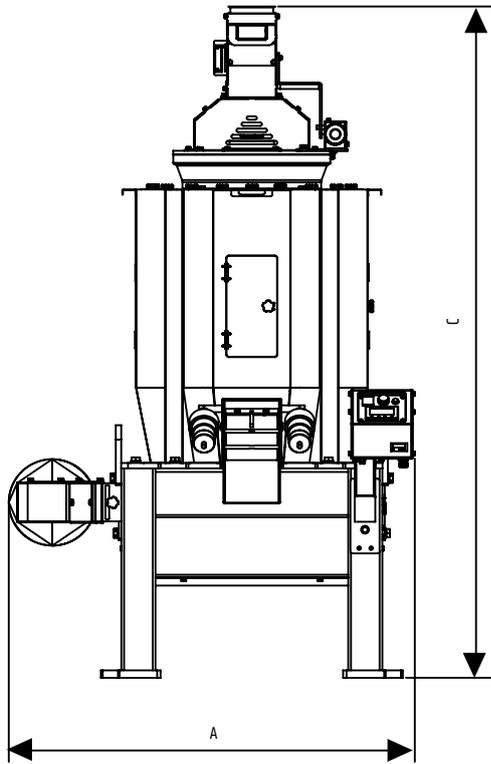


Features & Advantages

- Automation and ease of operation
- Lower milling temperature
- Improved bran removal
- Gentle milling

↓ Front View

↓ Side View



Dimensions (mm)

Model	A	B	C
HSVTA5AA-TA	1.052	1.719	2.309
HSVTA7SR-T	1.200	1.820	1.990
HSVTA10AB-TA	1.235	1.694	2.148
HSVTA15AB-T	1.294	1.731	2.150
HSVTA20SR-T	1.596	2.292	2.444

Technical Features

Model	Input Capacity (TPH)*	Required Power (kW)	Required Air Volume (m ³ /min)	Required Static Pressure (kpa)
HSVTA5AA-TA	1 - 2	30	30	0.8 - 1.0
HSVTA7SR-T	2 - 3	45	50	1.0 - 1.5
HSVTA10AB-TA	4 - 5	55	50	1.0 - 1.5
HSVTA15AB-T	6 - 7	75	60	1.0 - 1.5
HSVTA20SR-T	8 - 10	90	110	1.0 - 1.5

* Input capacity depends on material.

GRAIN SEPARATOR

Product Code: HSTCSI

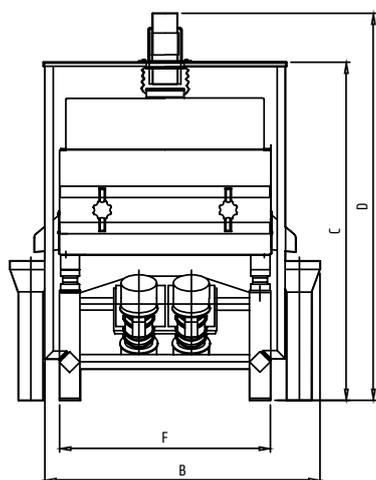
The Grain Separator (HSTCSI) is a multipurpose cleaning machine, designed for the efficient separation of impurities in any kind of grain and cereal cleaning process. The equipment has two decks of adjustable sieves and ensures effective cleaning with vibration and an external aspiration. The Grain Separator can be adapted to use as Silo Intake Separator in pre-cleaning process as well as specialized separator in the Internal cleaning process. It can be fitted with an aspirator or with a hopper at the stock outlet.



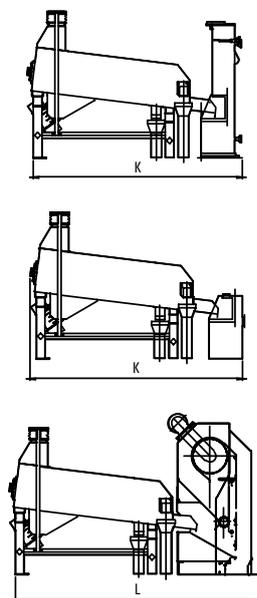
Features & Advantages

- Quick and easy screen replacement
- Flexible and adjustable inclination
- Easy and minimum maintenance
- Custom sieve perforation design
- High capacity and efficiency
- Durability and long lifetime
- Low energy consumption

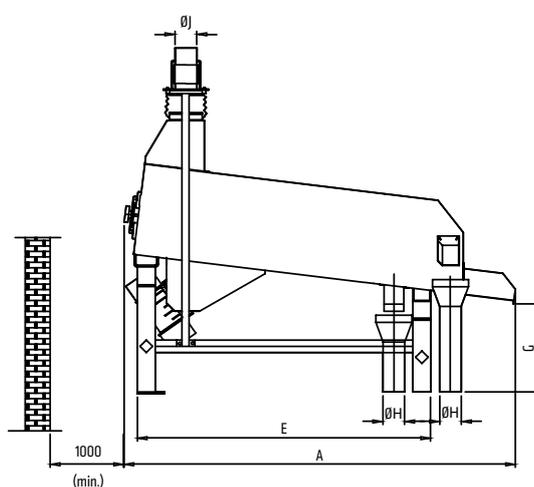
Back View



Side View



Position



Technical Features

Model	Capacity		Sieve Dimensions (mm)		Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
	Pre Cleaning	Cleaning	Length	Width		Net	Gross	
HSTCSI 60 / 100	14	3	600	1,000	2 x 0.28	500	712	4.8
HSTCSI 60 / 150	22	5		2 x 750			550	817
HSTCSI 100 / 150	36	9	1,000				620	939
HSTCSI 100 / 200	50	12			2 x 1,000	2 x 0.4	910	1,279
HSTCSI 150 / 150	60	15	1,500	2 x 750	960		1,387	13.4
HSTCSI 150 / 200	75	20		2 x 1,000	1,010		1,492	16
HSTCSI 150 / 200G	100	25			2 x 0.75	1,310	1,792	17.5

Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øJ	K	L	
HSTCSI 60 / 100	1,660	937	1,622	1,857	1,132	606	485	120	120	2,005	2,333	
HSTCSI 60 / 150	2,157		1,790	2,030	1,632					2,502	2,830	
HSTCSI 100 / 150	2,688	1,337	1,622		2,120	1,006					3,002	3,330
HSTCSI 100 / 200	2,157		1,850	2,416	1,632					1,506	2,502	2,830
HSTCSI 150 / 150	2,633	1,838	2,150	2,600	2,120	150					180	3,002
HSTCSI 150 / 200						200				250		
HSTCSI 150 / 200G												

* Capacities are given based on wheat with the specific gravity of 0.78-0.80 kg/dm³, and they can change depending on the variety, initial condition and contamination of product.

INTENSIVE WHEAT SCOURER

Product Code: HSKKSI

The Intensive Wheat Scourer (HSKKSI) is used for removal of outer husk, and dirt (i.e. seed impurities, damaged kernels etc.) via friction and rubbing. Moreover, Intensive Wheat Scourer, also effectively breaks down and eliminates the weaker, insect damaged kernels.

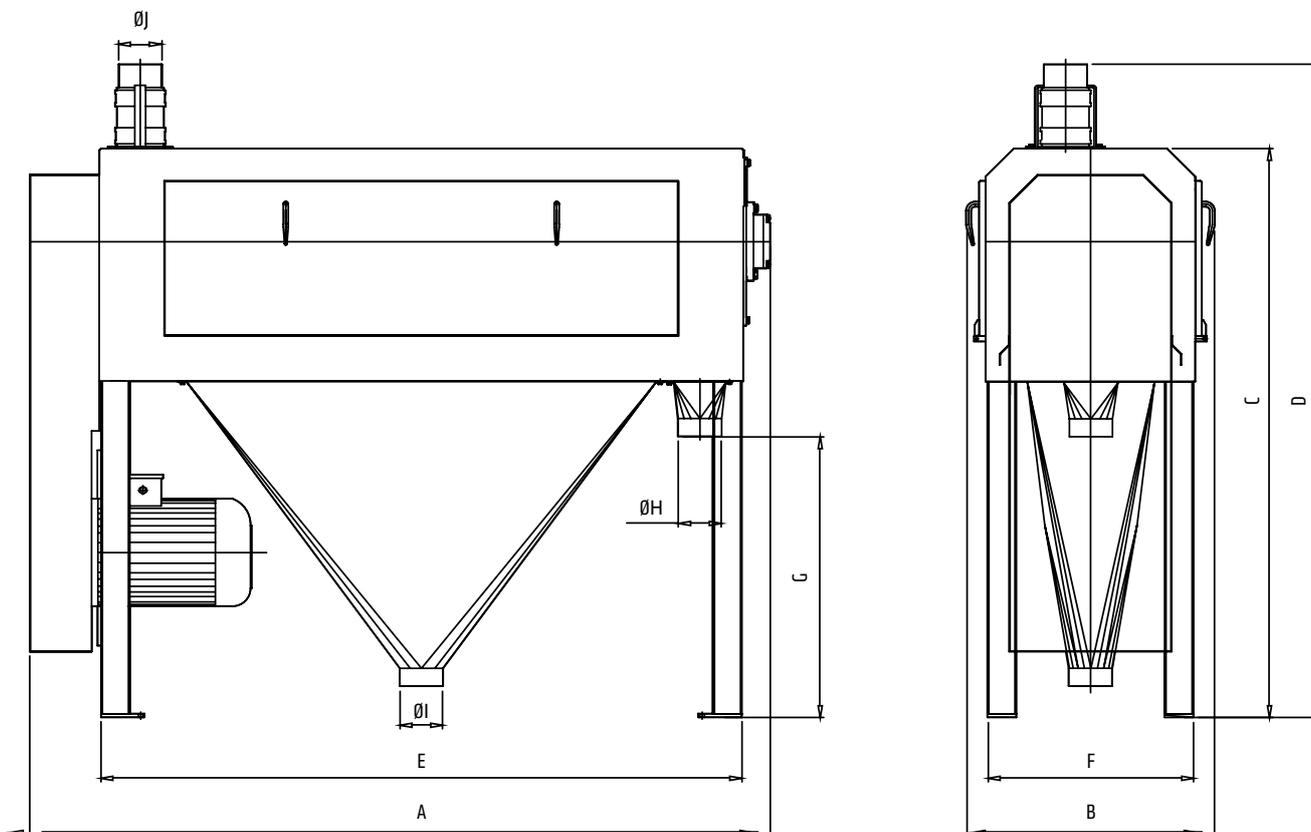


Features & Advantages

- Better sanitary storage condition within the cleaning and tempering sections by reducing ash, impurities and microorganism content of the final milled products

↓ Front View

↓ Side View



Technical Features

Model	Capacity (TPH)				Motor Power (kW)	Weight (Kg)		Gross Volume (m ³)
	Soft Wheat		Hard Wheat			Net	Gross	
	1st Cleaning	2nd Cleaning	1st Cleaning	2nd Cleaning				
HSKKS1 3010	6	5	5	4	7.5	543	689	3.9
HSKKS1 3013	10	8	8	7	11	600	817	
	14	10	10	9				
HSKKS1 4013	16	14	14	12	15	625	842	
	20	16	16	14				

Dimensions (mm)

Model	A	B	C	D	E	F	G	$\varnothing H$	$\varnothing I$	$\varnothing J$
HSKKS1 3010	1,680	730	1,590	1,825	1,410	570	785	120	120	120
HSKKS1 3013	2,050				1,775					
HSKKS1 4013					150					

GRAIN SEPARATOR CLASSIFIER (HSMTRA) INCL. ASPIRATOR (HSMCSA)

Product Code: **HSMTRA**

The Grain Separator Classifier (HSMTRA) is used in high capacity pre-cleaning operations via efficient separation of impurities and foreign materials from the grain.

Product Code: **HSMCSA**

The HSMCSA is an high power aspirator which is equipped with an efficient gear motor ensures an efficient discharge of the impurities and steady feeding of the product.

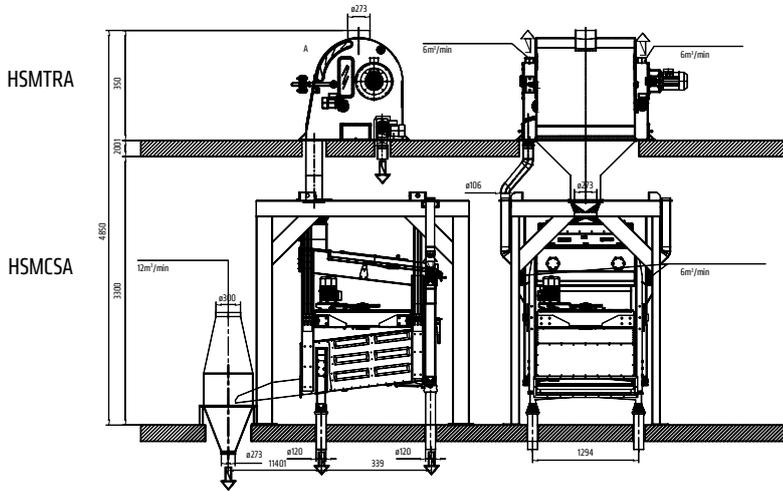


Features & Advantages

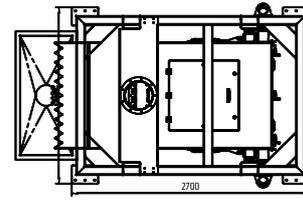
- Higher capacity and efficiency compared to traditional grain separators
- Compact design with easy cleaning points
- Minimum maintenance requirement

Side View

Back View

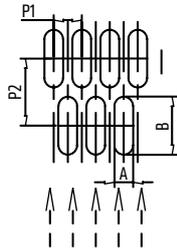


Top View



UPPER SIEVE

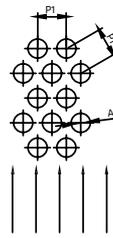
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PRODUCT FLOW DIRECTION

UPPER SIEVE

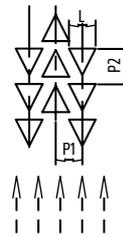
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PRODUCT FLOW DIRECTION

BOTTOM SIEVE

2



PRODUCT DIRECTION

A x B	th. (mm)	Pitch 1 (mm)	Pitch 2 (mm)	Section
12 x 25	1	12	29	Cleaning

A	th. (mm)	Pitch 1 (mm)	Pitch 2 (mm)	Section
8	1	10	10	Cleaning

(L) (mm)	th. (mm)	Pitch 1 x Pitch 2 (mm)	Section
4.5	1	4 x 3	Pre-Cleaning
3.5	1	4 x 3	Cleaning

Technical Features

Model	Capacity (TPH) Wheat	Motor (kW)	
HSMTRA - 1200 HSMCSA 120x120	100 (Pre-Cleaning)	9.24	0.37 x 2 pcs 5.5 x 1 pcs 3 x 1 pcs
	30 (Cleaning)		

AIR RECYCLING ASPIRATOR

Product Code: HSKTHI

The Air Recycling Aspirator provides an efficient separation of light impurities from cereals. Three inlet options enable a standalone application as well as compatibility with a Milling Separator or a Scourer. Whether installed at the grain intake point or integrated into a cereal cleaning system, the machine creates significant savings in energy, space and maintenance.

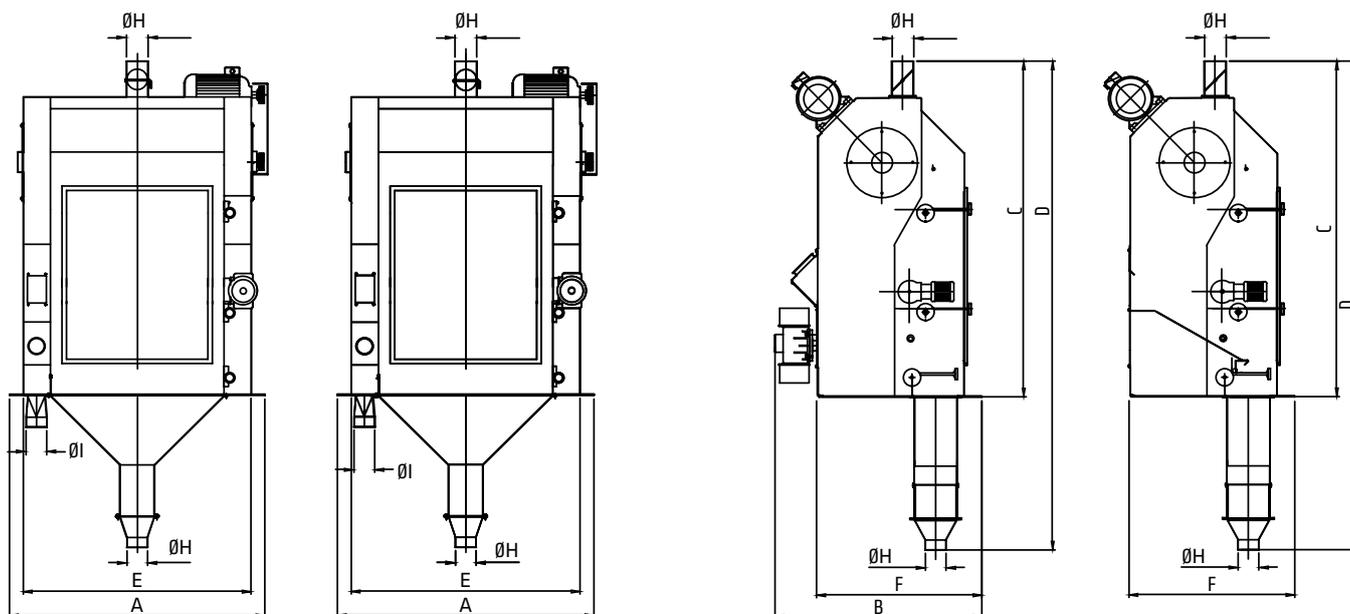


Features & Advantages

- Connectivity to the central ventilation system
- Efficient cleaning and separation process

↓ Front View

↓ Side View



Technical Features

Model	Capacity (TPH) Flour		Air Requirement (m ³ /min)		Weight (Kg)		Gross Volume (m ³)
	Pre-Cleaning	Cleaning	Pre-Cleaning	Cleaning	Net	Gross	
HSKTHI 600	40	4-8	10	6	495	717	5,3
HSKTHI 1000	50	9-14	12	8	650	933	7,6
HSKTHI 1500	100	14-24	16	10	711	1,066	10,5

Dimensions (mm)

Model	A	B	C	D	E	F	øH	øJ
HSKTHI 600	1,080	1,177	1,945	2,535	920	947	120 150	120
HSKTHI 1000	1,480			2,829	1,320			
HSKTHI 1500	1,980			3,043	1,820			

LEG ASPIRATOR

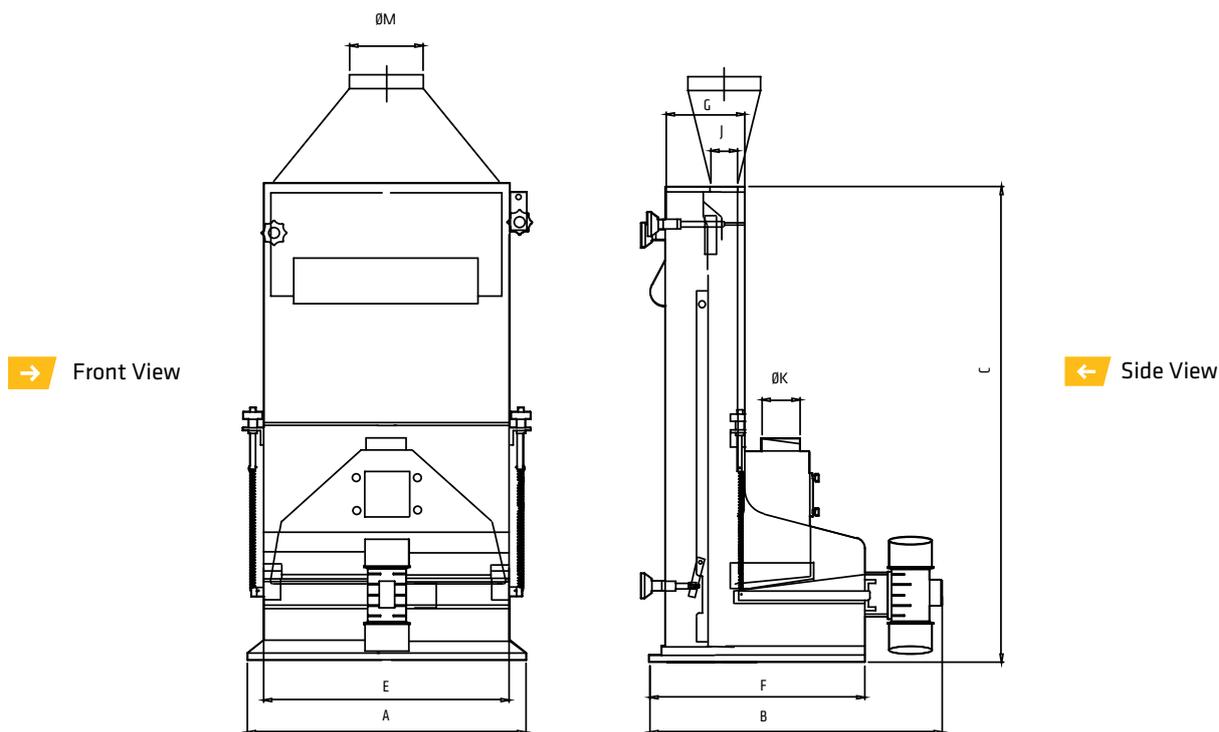
Product Code: HSKHKA

The Leg Aspirator (HSKHKA) is designed to separate light impurities and foreign materials from wheat by air circulation. It is also applicable to use for any type of grains, coffee beans, soybeans and similar products.



Features & Advantages

- Connectivity to central ventilation system
- Adjustable air supply



Dimensions (mm)

Model	A	B	C	E	F	G	J	øK
HSKHKA 60G	800	847	1455	600	770	324	170 x 548	120 150
HSKHKA 60AG	810	632			632		150 x 596	
HSKHKA 75G	950	847		750	770		170 x 698	
HSKHKA 75AG	960	632			632		150 x 746	
HSKHKA 100G	1200	847		1000	770		170 x 948	
HSKHKA 100AG	1210	632			632		150 x 996	
HSKHKA 150G	1700	847		1500	770		170 x 1448	
HSKHKA 150AG	1710	632			632		150 x 1496	

Technical Features

Model	Corn-Maize		Dusty, Husk	Wheat		Motor (kW)	Air Volume (m³/min)	Wheat		Gross Volume (m³)
	Mixture	Particules		Separation of Kernies Shrivelled	Separation Dusty, Husk			Net	Gross	
HSKHKA 60G	1.3	1.7	3.3	1.8	3.6	0.17	55	135	250	2
HSKHKA 60AG	2.4	3.1	5.9	3.3	6.3			105	205	1.6
HSKHKA 75G	1.3-2	1.7 - 2.6	3.3 - 4.9	1.7 - 2.6	3.3 - 4.9	0.17	75	170	296	2.2
HSKHKA 75AG	2.4 - 3.6	3.1 - 4.7	5.9 - 8.9	3.1 - 4.7	5.9 - 8.9			130	240	1.8
HSKHKA 100G	2 - 2.7	2.6 - 3.5	4.9 - 6.6	3	6	0.17	90	180	355	3.6
HSKHKA 100AG	3.6 - 4	4.7 - 6.2	8.9 - 11.8	5.6	10.6			130	256	2.2
HSKHKA 150G	3-4	3.9 - 5.9	7.3 - 9.9	4.5	9	0.17	135	225	406	3.6
HSKHKA 150AG	5.4 - 7.2	7 - 9.3	13.3 - 17.7	8.4	16			195	354	2.9

DESTONER CLASSIFIER

Product Code: HSTKTD

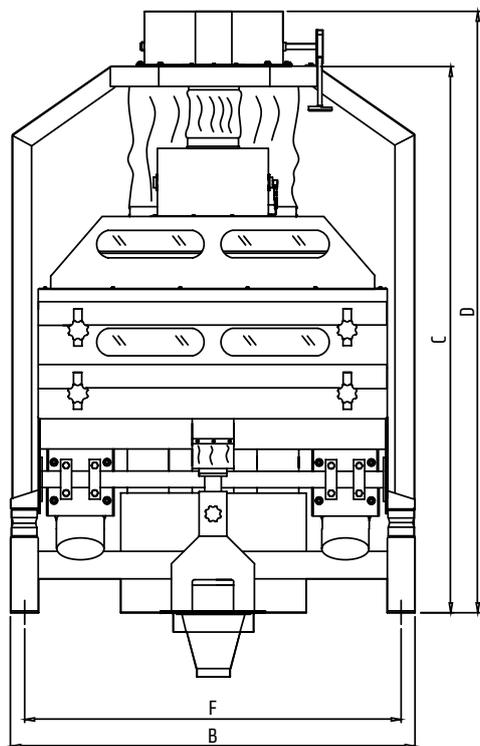
The Destoner Classifier (HSTKTD) is used for removal of the stones, metal particles, and mud balls etc. from the grain. It is also practically used to sort the grain into heavy and light fractions by aspiration.



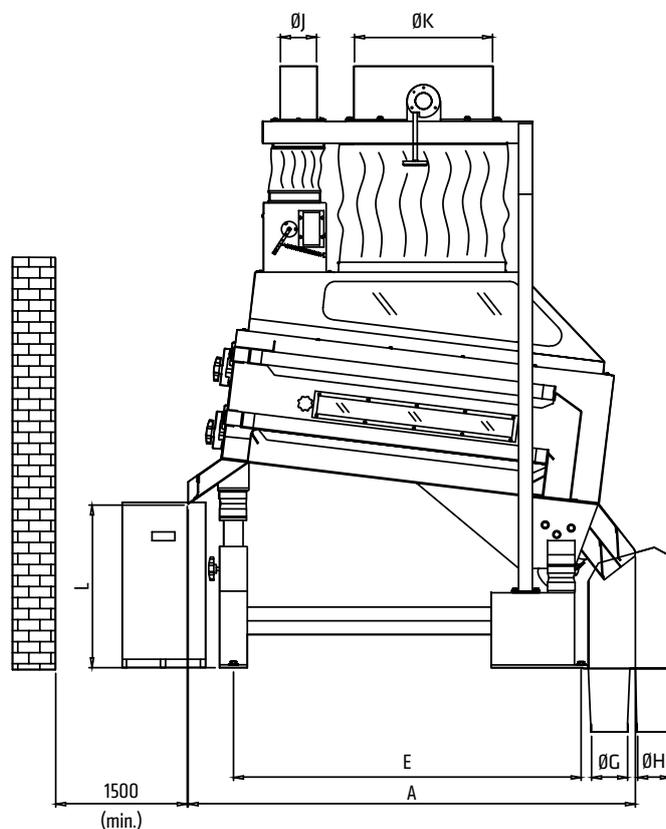
Features & Advantages

- *Precise adjustment of screen inclination and air flow rate*
- *Easy and quick screen replacement*
- *Durability and long life span*

↓ Front View



↓ Side View



Technical Features

Model	* Capacity (TPH)	Motor Power (kW)	Air Requirement (m ³ /min)	Weight (Kg)		Gross Volume (m ³)
				Net	Gross	
HSTKTD 80	8	2 x 0.35	80	570	633	5.9
HSTKTD 120	16	2 x 0.68	120	650	732	7.7
HSTKTD 180	24	2 x 1.1	230	790	899	10.3

Dimensions (mm)

Model	A	B	C	D	E	F	øG	øH	øJ	øK	L
HSTKTD 80	1,610	1,050	2,000	2,200	1,257	950	121	121	120	400	500
HSTKTD 120		1,450				1,356	133	121	150	500	
HSTKTD 180		2,000				1,900	192	150	200	600	

* Capacities are given based on wheat with the specific gravity of 0.78-0.80 kg/dm³, and they can change depending on the variety, initial condition and contamination of product.

INTENSIVE DAMPENING MACHINE

Product Code: HSTCTS

The Intensive Dampening Machine is used to increase the moisture content of grain and cereal products at a desired rate. Its inclined compact rotor design with angled mixing paddles ensures excellent and uniform dampening process.

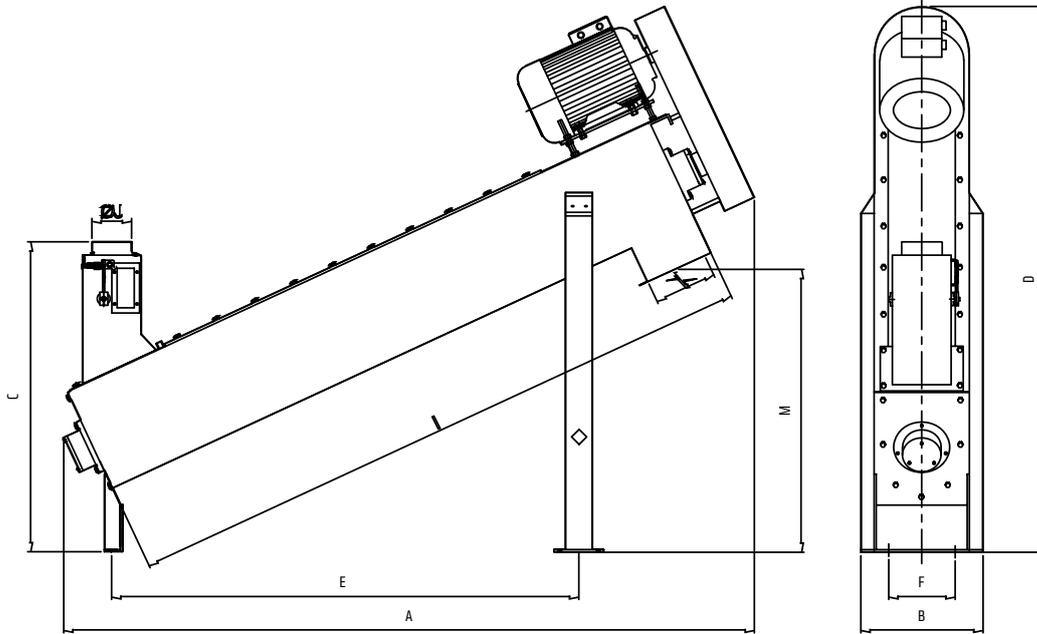


Features & Advantages

- Hygienic design with stainless steel construction
- Easy cleaning and maintenance
- Durability and long life time

↓ Front View

↓ Side View



Dimensions (mm)

Model	A	B	C	D	E	F	H	I	M	øJ
HSTCTS 350	2585	550	1170	2055	1170	250	195x280	2395	1066	120x150
HSTCTS 500	2585	700	1190	2215	1190	400	195x430	2395	1120	
HSTCTS 600	3693	800	1550	2865	1550	610	365x510	3500	1657	200

Technical Features

Model	Capacity (TPH) Wheat	Motor (kW)	Weights (Kg)		Gross Volume (m³)
			Net	Gross	
HSTCTS 350	5-16	7.5	450	699	5.2
HSTCTS 500	16-30	11	745	1029	6.6
HSTCTS 600	30-45		1100	1560	12.9

AUTOMATIC DAMPENING DEVICE

Product Code: **HSTOCA**

The HSTOCA works efficiently together with the Intensive Dampening Machine (HSTCTS). It is equipped with the Microwave Technology, which ensures precise water flow rate adjustment and humidity measurement in tempering process.

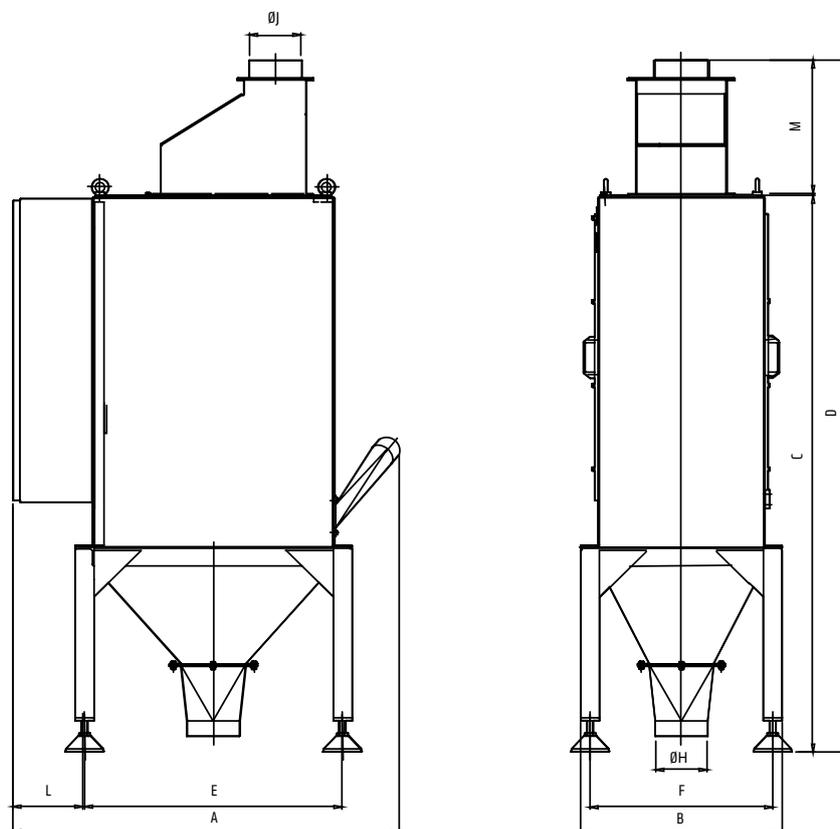


Features & Advantages

- *Low operational and maintenance cost*
- *Stainless steel, robust construction*

↓ Front View

↓ Side View



Technical Features

Model	Capacity (TPH)	Weight (Kg)		Gross Volume (m³)
		Net	Gross	
HSTOCA 30	30	340	500	3.1
HSTOCA 45	40	400	570	3.5

Dimensions (mm)

Model	A	B	C	D	E	F	øH	L	M	øJ
HSTOCA 30	1,224	644	1,696	2,131	720	600	120 x150	250	435	120x150
HSTOCA 45		744				700				200

* Capacities are given for wheat and will vary for different type of products.

HORIZONTAL INTENSIVE DAMPENING MACHINE

Product Code: HSTCTI

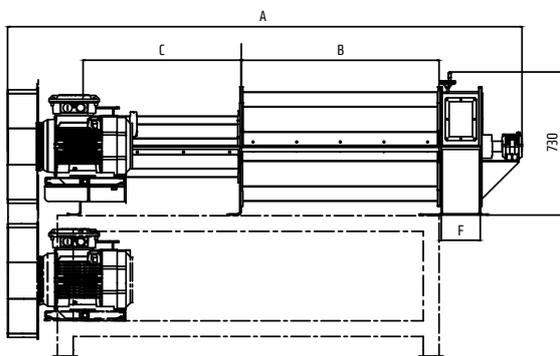
Compared to inclined models, HSTCTI increases efficiency of tempering process with more water absorption in shorter periods. The machine has also two sections of different rotor diameter with paddles on, which ensures homogenous water distribution and high dampening performance.



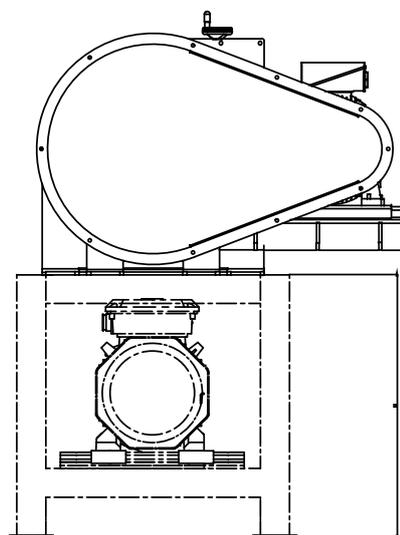
Features & Advantages

- *The concept of this Dampener is to create a very homogeneously moistened wheat with water evenly distributed on the kernels*

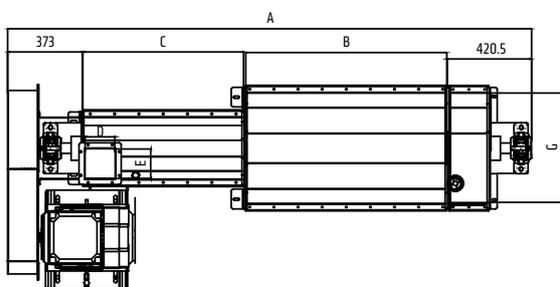
↓ Front View



↓ Side View



↓ Top View



Dimensions (mm)

Model	A	B	C	D	E	F	G
HSTCTI 100-7,5	2600	1000	800	150	150	180	550
HSTCTI 100-11	2600	1000	800	150	150	180	550
HSTCTI 100-15	2600	1000	800	150	150	180	550
HSTCTI 100-22	2600	1000	800	150	150	180	550
HSTCTI 160-30	3200	1600	800	240	240	180	550
HSTCTI 160-37	3200	1600	800	240	240	180	550
HSTCTI 160-45	3200	1600	800	240	240	180	550

Technical Features

Model	Capacity (TPH) Wheat	Motor (kW)	Weights (Kg)
HSTCTI 100-7,5	5-6	7,5	600
HSTCTI 100-11	10-12	11	650
HSTCTI 100-15	12-20	15	700
HSTCTI 100-22	20-25	22	750
HSTCTI 160-30	25-30	30	1200
HSTCTI 160-37	30-35	37	1250
HSTCTI 160-45	35-40	45	1350

TRIEUR MACHINE

Product Code: HSTTRA

The Trieur Machine is used to separate round particles which are smaller than wheat kernels, broken wheat kernels, and particles longer than wheat kernels in grain cleaning, packing plants and flour mills.



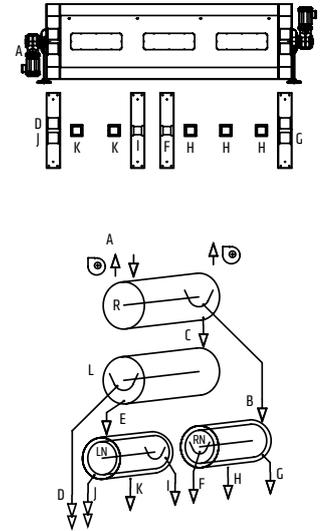
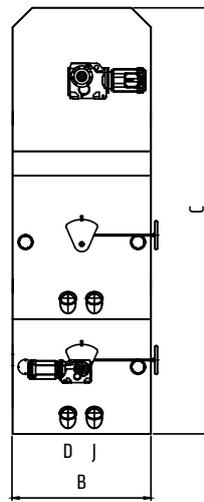
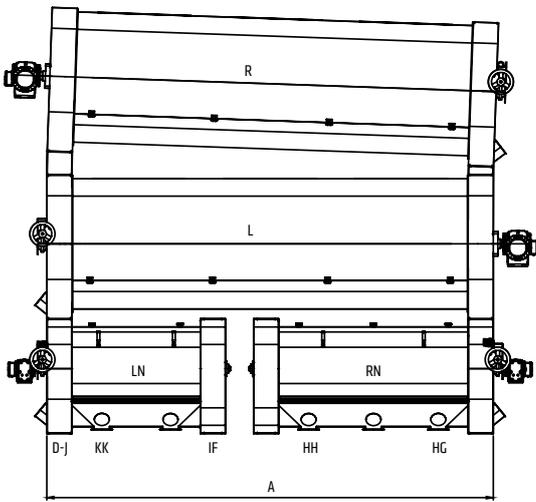
Features & Advantages

- Flexibility of the main and control cylinders selection. (i.e. one or two pieces)

Front View

Side View

Top View



Dimensions (mm)

Model	A	B	C
HSTTRA 1020 R-L-RN-LN	2024	600	2343
HSTTRA 2020 R-L-RN-LN	3024	600	2377
HSTTRA 3020 R-L-RN-LN	2517	800	2760
HSTTRA 4020 R-L-RN-LN	3017	800	2777
HSTTRA 5020 R-L-RN-LN	3416	800	2794
HSTTRA 6020 R-L-RN-LN	4016	1100	2812
HSTTRA 8020 R-L-RN-LN	3240	1100	3378
HSTTRA 10020 R-L-RN-LN	3738	1100	3395
HSTTRA 12020 R-L-RN-LN	4238	1100	3413
HSTTRA 16020 R-L-RN-LN	5088	1100	3443

K	Sieve throughs LN
J	Sieve overs LN
I	Shell product LN
H	Sieve throughs RN
G	Sieve overs RN
F	Trough product RNz
E	Shell product L
D	Trough product L
C	Shell product R
B	Trough product R
A	Inlet
R	Round grain cylinder
L	Long grain cylinder
RN	Round grain re-separation cylinder
LN	Long grain re-separation cylinder

Technical Features

Capacity (TPH) Wheat	Indent Cylinder Dimensions (mm)						Power Requirements (kW)		Dust Aspiration	
	RL		RN		LN		RL	RN - LN	(m³/min)	Pa
	ø	Length	ø	Length	ø	Length				
1	400 600 900	1000	400	350	400	250	0.37	0.37		
2		2000		480		350	0.55	0.37	14	200
3		1500		570		430	0.75	0.55	18	250
4		2000		650		480	0.75	0.55	18	250
5		2500		750		550	1.1	0.55		
6		3000		850		650	1.5	0.55	18	250
8		2000		950		590	2.2	1.1	24	300
10		2500		1150		850	3	1.1	24	300
12		3000		1430		945	3	1.1	24	300
16		4000		1800		1430	4	1.1	24	300



Milling Section



ROLLER MILL • QUADRO PLANSIFTER • PURIFIER • VIBRO SIFTER
CONTROL SIFTER • BRAN FINISHER • INCLITEC BRAN FINISHER
TWO-CHANNEL SHIFTER • TURBO CONTROL SIFTER • IMPACT DETACHER
DRUM DETACHER • DEGERMER • INFESTATION DESTROYER • SILO DISCHARGER

ROLLER MILL

Product Code: **HSRM**

The HSRM Roller Mill is intelligently designed with the state-of-the-art control systems for precise and effective grinding operation for the wheat, maize (corn) and various grains. This is a new generation roller mill equipped with Advanced Sensor Technology, which enables to track the machine status in real time, moreover records data for optimum machine operating conditions.

grapas INNOVATIONS AWARDS



RICE



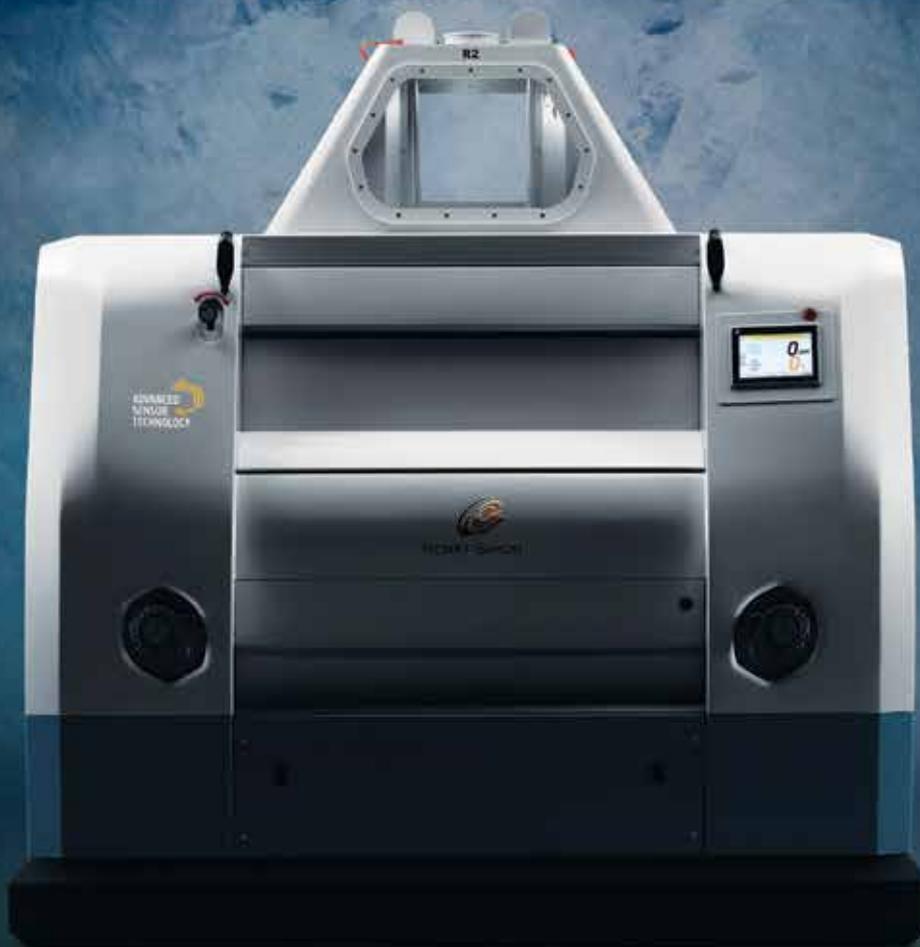
PASTA



FLOUR



GOOD
DESIGN



ITALDESIGN

Features & Advantages

- Central lubrication system
- Quick roll change mechanism
- Low energy consumption
- Quiet operation

Optional Features

- Online particle size measurement
- Main roll temperature sensor
- Water cooling

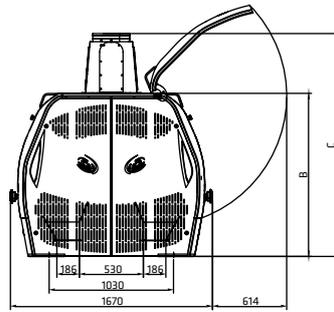
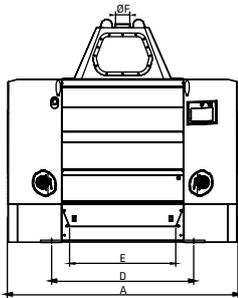
ADVANCED
SENSOR
TECHNOLOGY

Front View

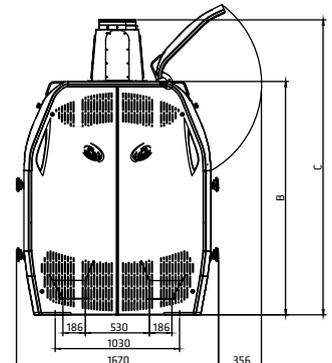
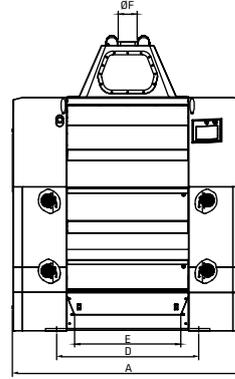
Side View

Front View

Side View



Single Deck Roller Mill



Double Deck Roller Mill

Dimensions (mm)

Model	A	B	C	D	E	øF
HSRM 4 x ø 250/800	1708	1360	1858	976	680	ø 120 ø 150
HSRM 4 x ø 250/1000	1908	1360	1858	1176	880	
HSRM 4 x ø 250/1250	2158	1360	1858	1426	1130	
HSRM 8 x ø 250/800*	1708	1945	2458	976	680	
HSRM 8 x ø 250/1000*	1908	1945	2458	1176	880	
HSRM 8 x ø 250/1250*	2158	1945	2458	1426	1130	
HSRM 4 x ø 300/1000	1908	1360	1858	1176	880	
HSRM 4 x ø 300/1250	2158	1360	1858	1426	1130	
HSRM 8 x ø 300/1000*	1908	1945	2458	1176	880	
HSRM 8 x ø 300/1250*	2158	1945	2458	1426	1130	

* Double Deck Roller Mill

Technical Features

Model	Feed Rolls Motor (kW)	Weights (Kg)		Gross Volume (m³)
		Net	Gross	
HSRM 4 x ø 250/800	0.75	3220	3519	7.9
HSRM 4 x ø 250/1000		3440	3761	8.7
HSRM 4 x ø 250/1250		3680	4029	9.7
HSRM 8 x ø 250/800*		5552	5897	10.2
HSRM 8 x ø 250/1000*		6070	6440	11.2
HSRM 8 x ø 250/1250*		6850	7251	12.5
HSRM 4 x ø 300/1000		4120	4441	8.7
HSRM 4 x ø 300/1250		4360	4709	9.7
HSRM 8 x ø 300/1000*		7430	7800	11.2
HSRM 8 x ø 300/1250*		8210	8611	12.5

* Double Deck Roller Mill

QUADRO PLANSIFTER

Product Code: **HSQP**

The HSQP Plansifter is used for the sifting process of grinded wheat, maize and other grains; and classify them by the particle size. This machine is also equipped with Advanced Sensor Technology which enables the customer to track the environmental working conditions and analyses the data for optimum operation.

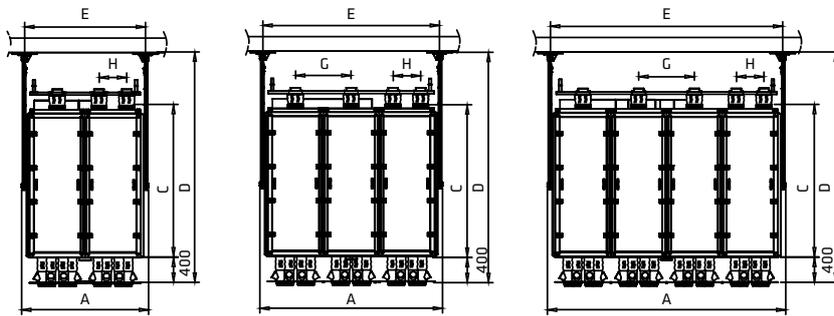


Features & Advantages

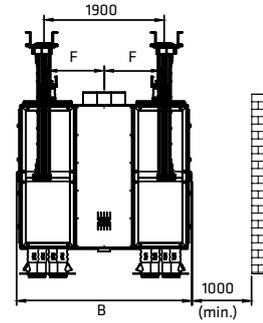
- Special chassis design and material for vibrating operations
- Up to 30 sieves per deck with G type larger sieves
- Easy cleaning and maintenance
- High capacity in limited spaces



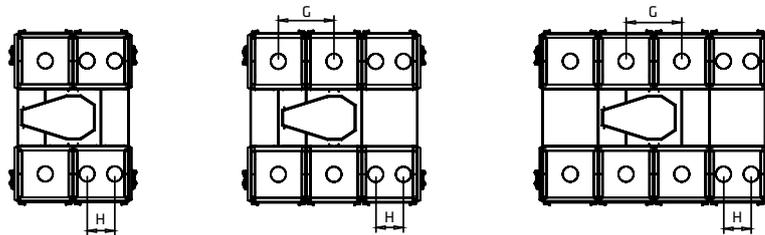
Front View



Side View



Top View



Dimensions (mm)

Model	HSQP 424	HSQP 428	HSQP 430	HSQP 624	HSQP 628	HSQP 630	HSQP 824	HSQP 828	HSQP 830
A	1,713	2,020	2,549	2,880	3,205	3,786			
B	2,355	2,765	2,355	2,765	2,355	2,765			
C	1,995	2,293	2,398	1,995	2,549	2,398	1,995	2,293	2,398
D	3,100	3,250	3,365	3,100	3,250	3,365	3,100	3,250	3,365
E	1,685	1,950	2,430	2,813	3,175	3,689			
F	735	892	735	892	735	892			
G	745	866	745	866	745	866			
H	373		373	440	373				

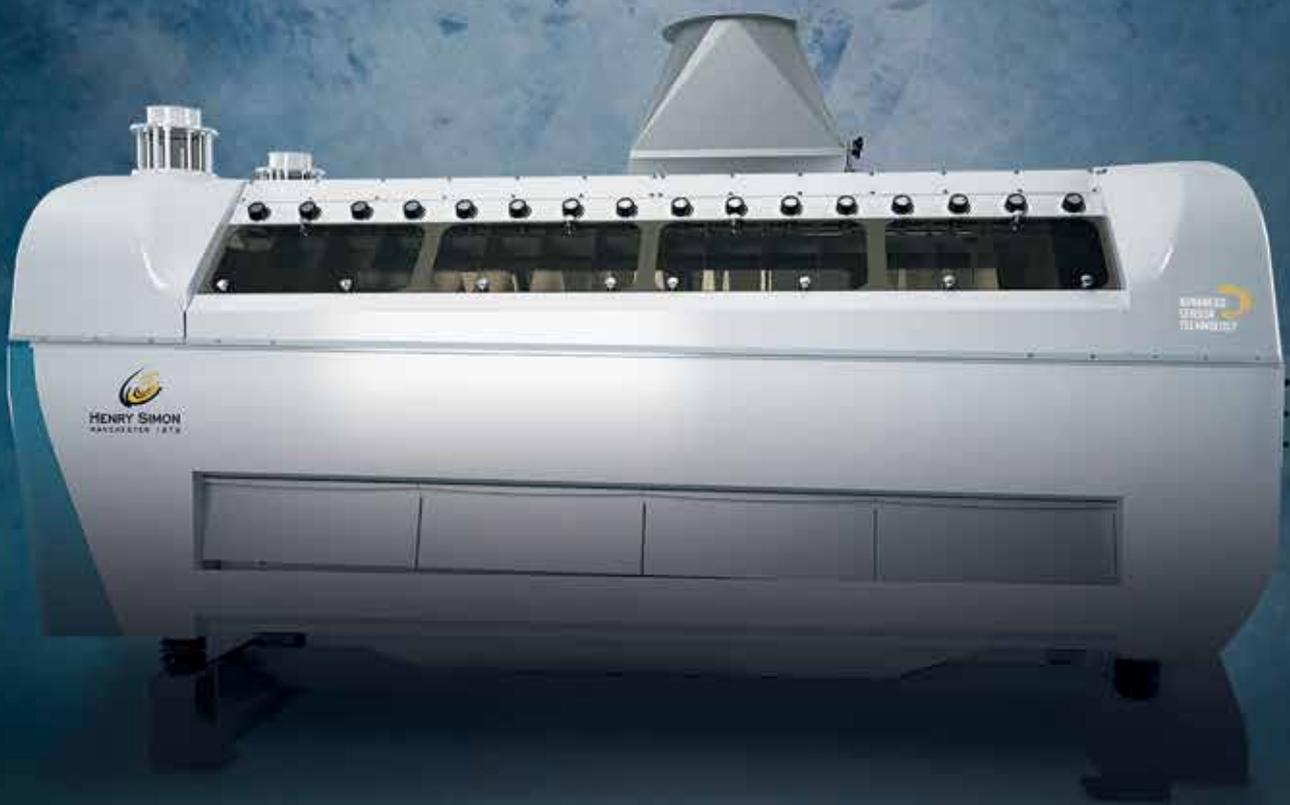
Technical Features

Model	HSQP 424	HSQP 428	HSQP 430	HSQP 624	HSQP 628	HSQP 630	HSQP 824	HSQP 828	HSQP 830	
Number of Compartments	4			6			8			
Number of Sieves per Compartment	20 - 24	24 - 28	30	20 - 24	20-24	30	20 - 24	24 - 28	30	
Net sifting area in	Typ N (m ²)	20 - 25	25 - 30	37.5	30 - 37.5	37.5 - 45	56.2	40 - 50	50 - 60	75
	Typ G (m ²)	24 - 30	30 - 36	43.7	36 - 45	45 - 54	65.6	48 - 60	60 - 72	87.5
Motor Power (kW)	4			5.5			7.5			11
Weight (Kg)	Net	2,500	2,750	3,550	3,260	3,710	4,578	4,425	4,850	6,343
	Gross	2,933	3,008	3,800	2,770	4,435	4,850	4,660	5,085	7,154
Gross Volume (m ³)	11.5	13	18.1	16.4	18.5	25	20.2	22.9	32.2	

PURIFIER

Product Code: HSPU

HSPU Purifier is used for semolina purification and classification process in flour mills. The machine has a robust design equipped with Advanced Sensor Technology, enables the machine to operate with optimum efficiency.

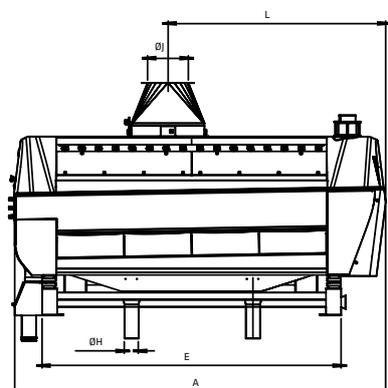


Features & Advantages

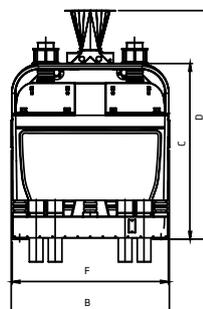
- Light metallic sieve frames with adjustable tightening devices
- Easy to clean and sanitary design
- Quick and easy replacement of sieves



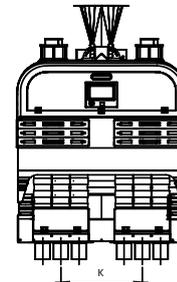
Front View



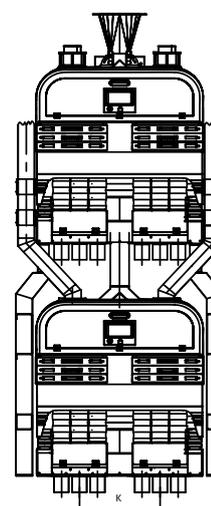
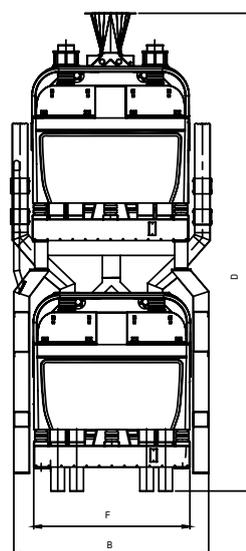
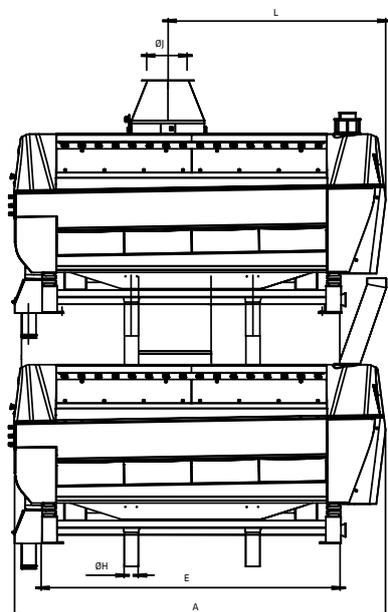
Side View (RH)



Side View (LH)



Single Deck Purifier



Double Deck Purifier

Dimensions (mm)

Model	A	B	C	D	E	F	øH	øJ	K	L
HSPU 46 / 200	2715	1200	1355	1820	2220	1194	100	300	580	1575
HSPU 46 / 200C*		1485	2925	3390				420		

* Double deck purifier

Technical Features

Motor (kW)	Net Sieve Width (mm)	Air Volume (m ³ /min)	Weights (Kg)		Gross Volume (m ³)
			Net	Gross	
2 x 0.40	500	50	1000	1334	8.7
4 x 0.40		100	2500	3010	17.8

VIBRO SIFTER

Product Code: HSDVSI

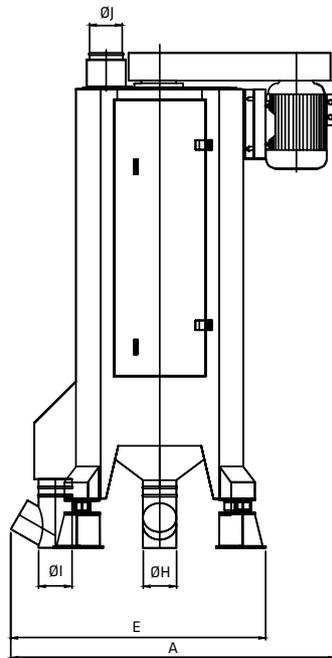
The HSDVSI Vibro Sifter is designed for sifting milled grains, by the centrifugal force of a rotating cylindrical metal sieve. It is generally used after air filter and bran finisher to dissolve aggregated product due to high moisture.



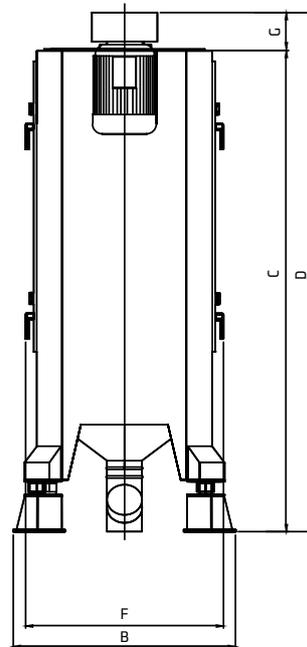
Features & Advantages

- Low energy consumption and high output
- Durability and long lifetime
- Quick and easy screen replacement
- Quiet operation

→ Front View



← Side View (RH)



Dimensions (mm)

Model	A	B	C	D	E	F	G	H	ØH	ØJ	K
HSDVSI 45/100	1150	760	1665	1775	890	745	130	120	120	120	375

Technical Features

Capacity (TPH)	Motor (kW)	Weights (Kg)		Gross Volume (m³)
		Net	Gross	
0.6 - 1.2	4	330	479	2.9

CONTROL SIFTER

Product Code: **HSRKEM**

The Control Sifter (HSRKES) is a high capacity compact control sifter which is ideal for many applications in food industry. It is also particularly suitable for flour redressing process of different type of milled grains and cereals.

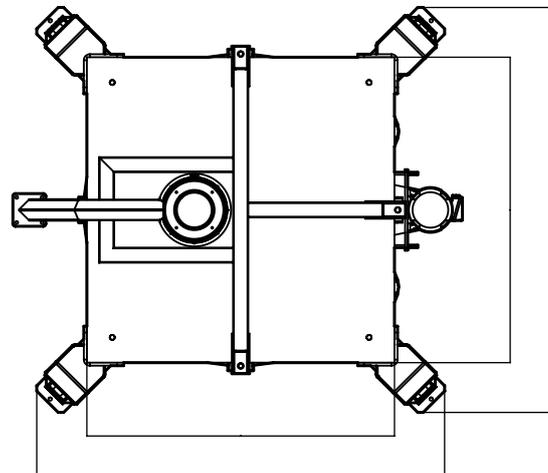
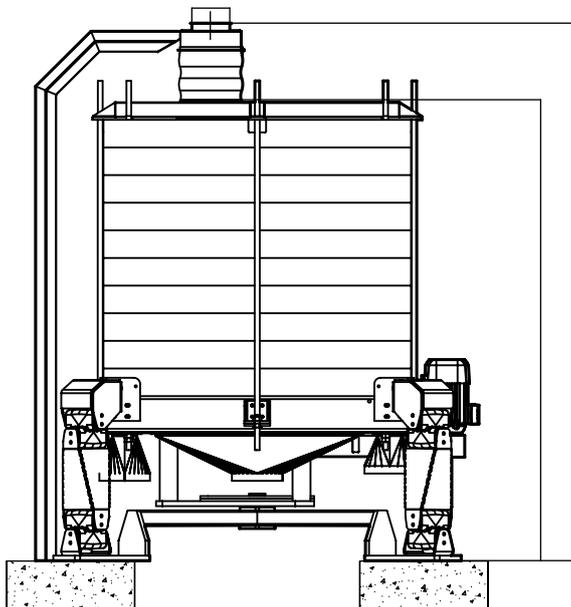


Features & Advantages

- Reinforced chassis design to endure vibration
- Compact design, with the ease of access for cleaning and maintenance.
- Leakproof sieve compartments
- Custom sifter flow diagrams to meet any special process requirements

Front View

Top View



Technical Features

Model	Motor Power (kW)	Eccentricity (mm)	Net Area (m²)	Mesh Opening (µ)	Capacity (TPH) Flour	Weight (Kg)		Gross Volume (m³)
						Net	Gross	
HSRKEM 85 / 6	1.1	55	2.26	200~750	1.65~6	700	882	3.8
HSRKEM 85 / 8			3.05		2.23~8.3	720	913	4.2
HSRKEM 85 / 10			3.84		2.77~10.3	740	945	4.6
HSRKEM 120 / 6	1.5		4.7		3.34~12.5	950	1,223	6.6
HSRKEM 120 / 8			6.46		4.6~17.4	1,000	1,287	7.3
HSRKEM 120 / 10			8.22		5.6~21.3	1,000	1,350	8.0

Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øJ	K
HSRKEM 85 / 6	1,272	1,272	1,505	1,810	876	876	186	150	150	337
HSRKEM 85 / 8			1,685	1,990						
HSRKEM 85 / 10			1,655	1,960						
HSRKEM 120 / 6	1,612	1,612	1,835	2,140	1,216	1,216	186	150		348
HSRKEM 120 / 8										
HSRKEM 120 / 10										

* Capacity figures are given for bakery flour grades 450-650 up to 14.5 % humidity rate, and may vary for different kind of products.

* Approx capacities (for bakery flours, flour grades 450-650 up to 14.5% H₂O)

BRAN FINISHER

Product Code: HSDKFS

The Bran Finisher (HSDKFS) gently separates the bran from the flour with high efficiency, thereby plays an extensive role in increasing bran extraction rate.

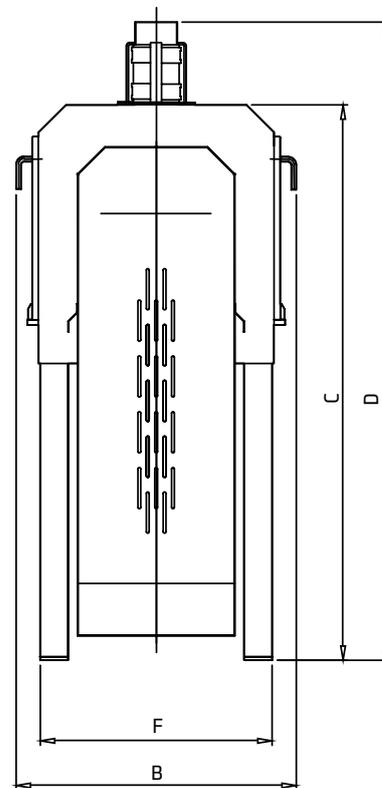
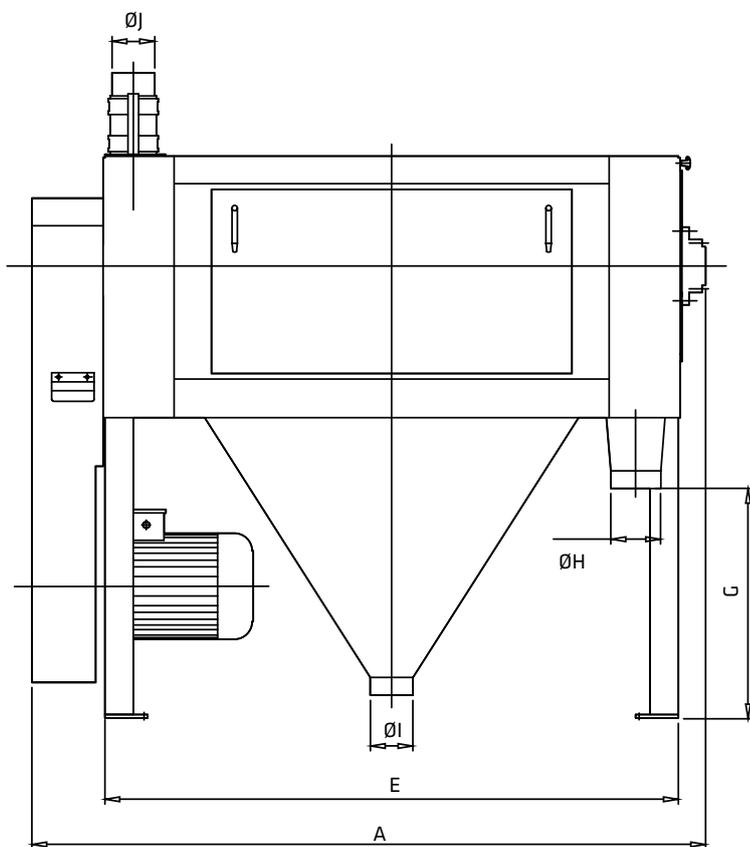


Features & Advantages

- Different air inlet connection opportunity
- Low energy consumption
- High efficiency
- Hygenic design

↓ Front View

↓ Side View



Technical Features

Model	Capacity (TPH)	Motor Power (kW)	Air Requirement (m ³ /min)	Weight (Kg)		Gross Volume (m ³)
				Net	Gross	
HSDKFS 4010	1.5 - 1.8	5.5 - 7.5	8	464	657	4
HSDKFS 5012	2 - 2.4	7.5 - 11	10	560	780	4.9

Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øI	øU
HSDKFS 4010	1,680	730	1,590	1,890	1,410	410	785	120	120	120
HSDKFS 5012	1,890	820			1,610	660	650	150		150

* Capacity figures are given for wheat flour, and may vary for different product types.

INCLITEC BRAN FINISHER

Product Code: HSBFI

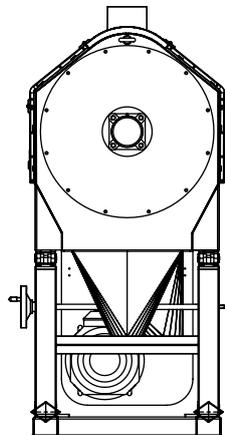
The Inclitec Bran Finisher (HSBFI), offers better efficiency in bran removal process compared to the conventional models. One of the main benefits of HSBFI is the precise operational control of the process via special rotor blades. With the special rotor blade design, HSBFI provides better efficiency in removing bran from flour. Moreover, the ability of changing the angle of the rotor (sieve) ensures better contact of the product with the rotor surface which also increases the efficiency of the operation.



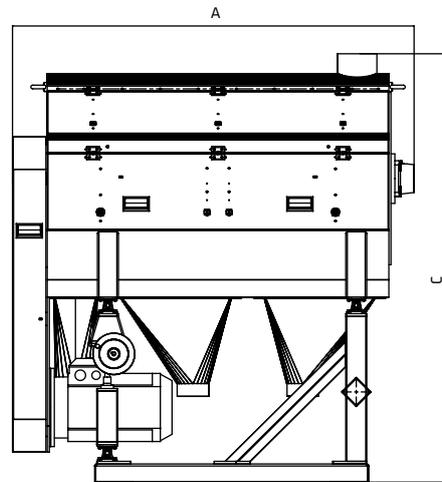
Features & Advantages

- Innovative design with rotor inclination and special rotor blades
- Hygienic, self cleaning design
- Simplification of the maintenance via hinged door access on each side.
- Available in two motor sizes to suit a range of duties

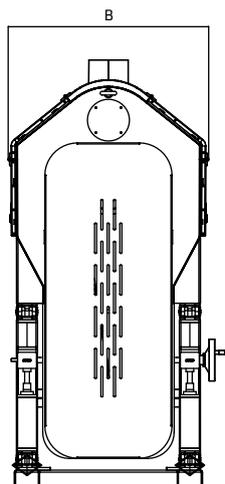
↓ Side View



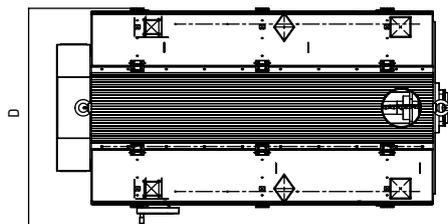
↓ Front View



↓ Side View



↓ Top View



Technical Features

Model	Capacity (T/H)	Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
			Net	Gross	
HSBFI 75	1.5-1.8	7.5	512	684	4.2
HSBFI 110	2-2.5	11	587	728	5.4

Dimensions

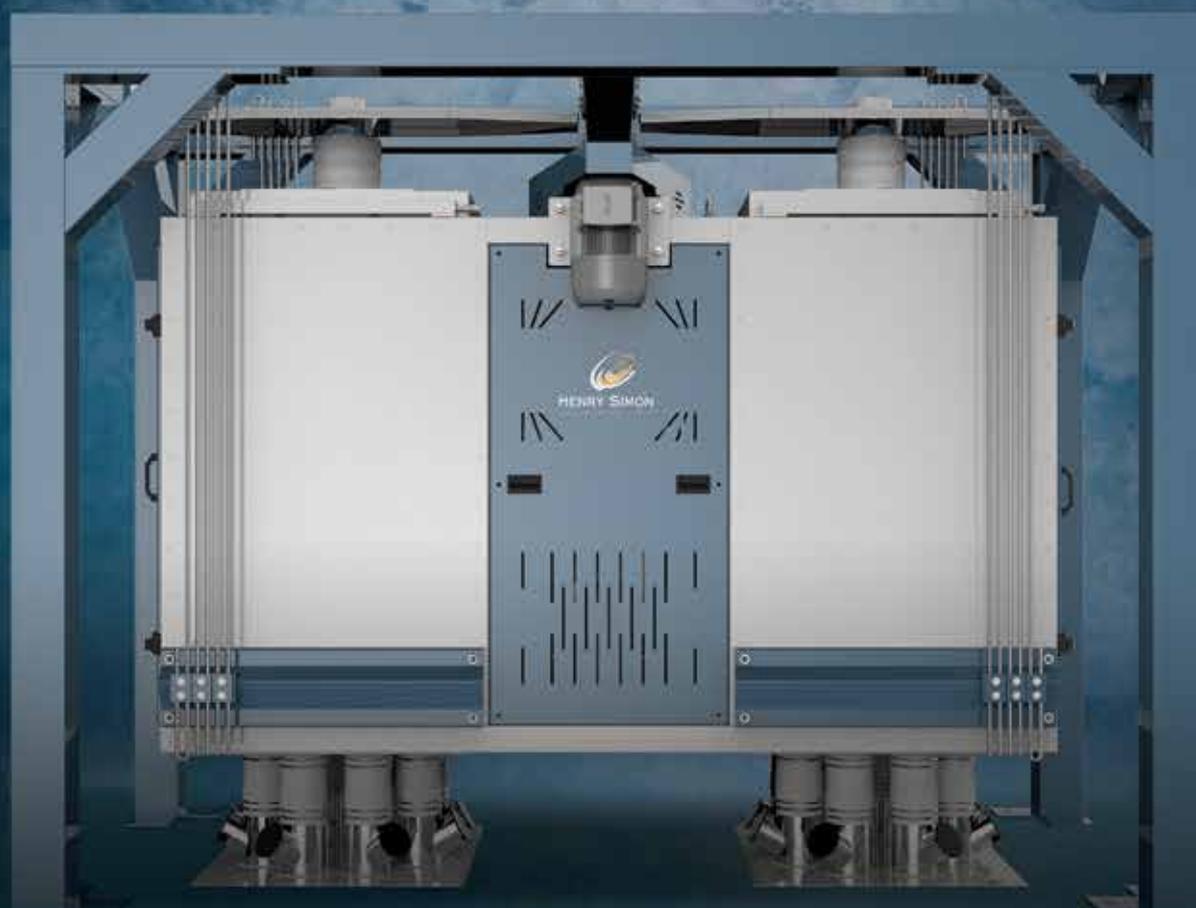
Model	A	B	C	D
HSBFI 75	1,528	763	1,642	831
HSBFI 110				

TWO-CHANNEL SIFTER

Product Code: **HSDKES**

HSDKES is a two channel version of HSRKES control sifter, which is designed for higher capacities and limited spaces. The machines allows to reach up to 12 tons/hour flour sifting capacity with an excellent efficiency.*

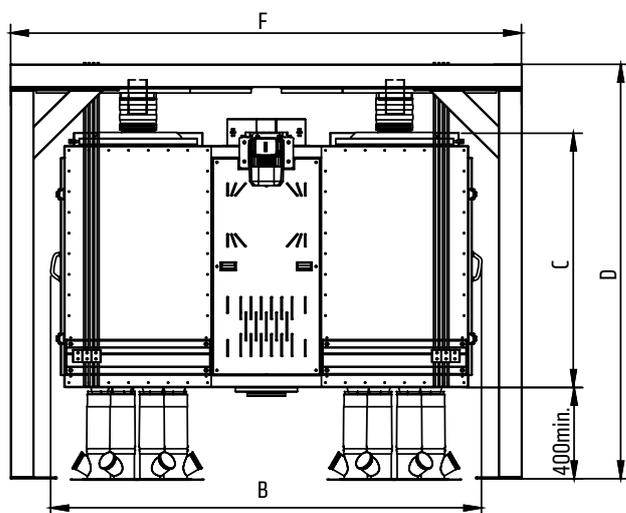
**The capacity value is given for 300 micron mesh opening for generic wheat flour.*



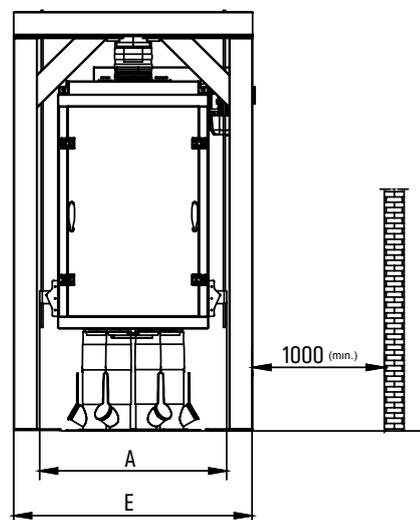
Features & Advantages

- Reinforced chassis design to endure vibration
- Adjustable speed for different applications
- Up to twelve separations per deck
- Safety cut-out switch
- Quiet operation

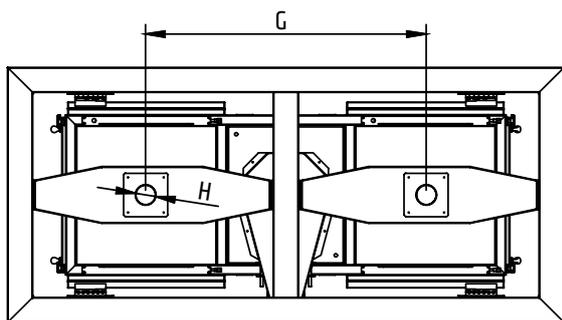
Front View



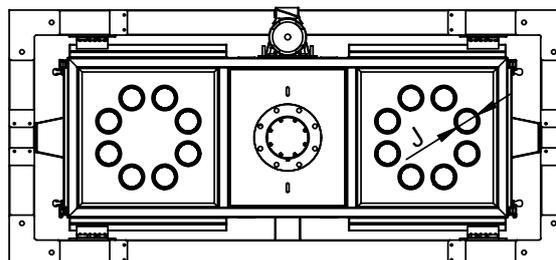
Side View



Top View



Bottom View



Technical Features

Model	Motor Power (kW)	Eccentricity (mm)	Net Sifting Area (micron)	Mesh Opening	* Capacity (TPH)	Weight (Kg)		Gross Volume (m³)
						Net	Gross	
HSDKES 85/24	2.2	60-65	12	200 Nylon	6	1,650	1,850	12
				250 Nylon	9			
				280 Nylon	10			
				355 Nylon	13			
				612 Inox	16			
750 Inox	21							

Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øJ
HSDKES 85/24	1,200	2,675	1,660	2,500	1,525	3,300	1,660	120 150	140

* Capacity figures may vary according to the type and humidity content of product.

TURBO CONTROL SIFTER

Product Code: HSTKFS

The Turbo Control Sifter (HSTKFS) is used to separate foreign materials, from the flour and ensures perfectly clean product.

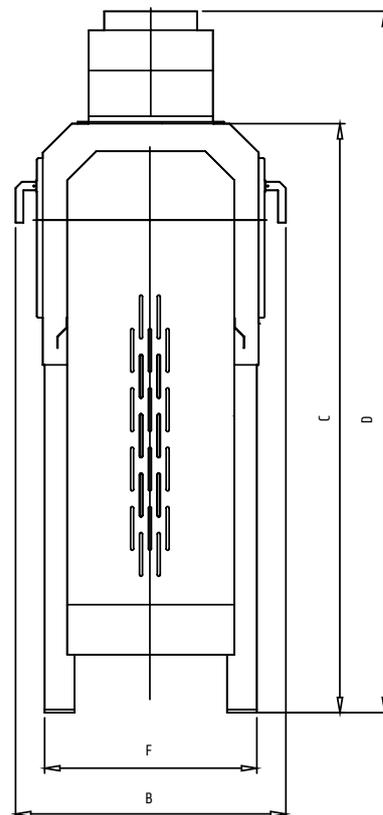
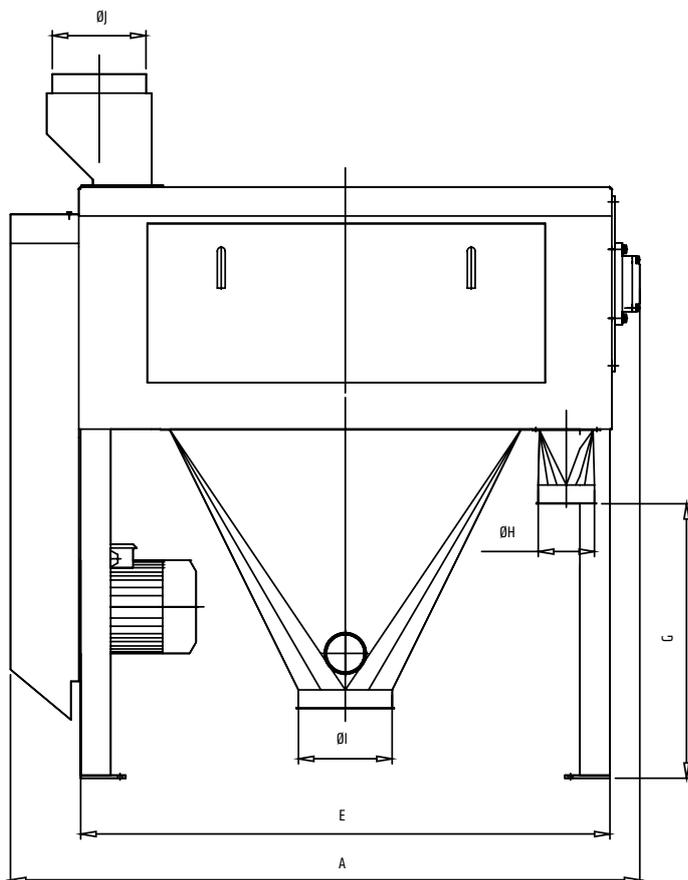


Features & Advantages

- Easy cleaning and maintenance
- Low energy consumption
- Trouble free operation
- Simple design

Front View

Side View



Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øI	øJ
HSTKSF 40 / 100	1676	726	1590	1890	1410	570	737	150	250	ø250

Technical Features

Model	Capacity (TPH) Flour				Air Volume (m³/min)	Motor (kW)	Weights (Kg)		Gross Volume (m³)
	ø1 (mm)	ø1,5 (mm)	ø2,5 (mm)	ø3 (mm)			Net	Gross	
HSTKSF 40 / 100	10	15	30	35	15	5.5	450	642	4

IMPACT DETACHER

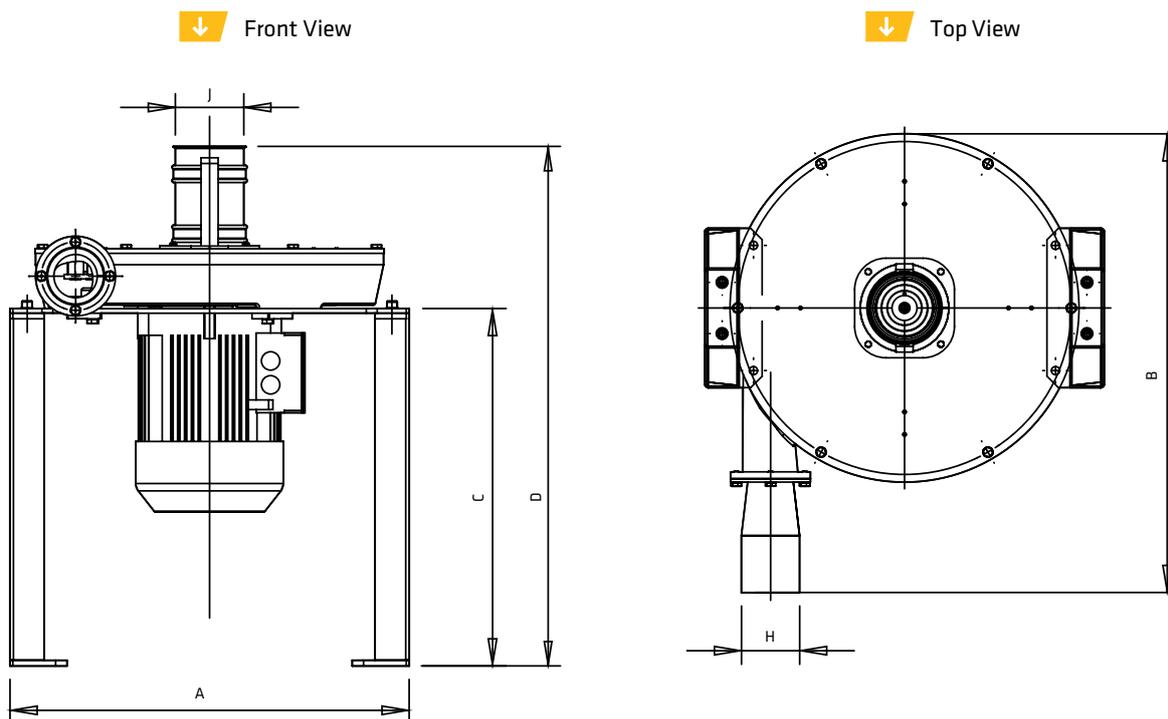
Product Code: HSDIKA

The Impact Detacher (HSDIKA) is used for grinding and product separation in semolina passages, enabling increase the yield content of the flour.



Features & Advantages

- *Low investment and operation costs*
- *Durability and long life span*



Technical Features

Model	Capacity (TPH) Flour	Motor (kW)	Weight (Kg)		Gross Volume (m³)
			Net	Gross	
HSDIKA 51 (50Hz.) HSDIKA 45 (60Hz.)	1	5.5	147	230	1.2
	1.7	7.5	156	239	
	2.8	11	184	267	
	4	15	193	276	
HSDIKA 43/36	2.5	4	80	141	0.8
	3.5	5.5	90	151	

Dimensions (mm)

Model	A	B	C	D	E	F	G	øH	øI	øJ	K
HSDIKA 51 (50Hz.) HSDIKA 45 (60Hz.)	700	806	620 std 820 1,020	913 std 1,113 1,313	480 680 std 880 1080 1280 1480 1680 1880 2000	820-1,020 std 1,220-1,420 1,620-1,820 2,020-2,220 2,340	830	57 64 70 76 83 95	57 64 70 76 83 95	120 150	775 975 std 1,175 1,375 1,575 1,775
						940-1,140 std 1,340-1,540 1,740-1,940 2,140-2,340 2,460					1,975 2,175 2,295
HSDIKA 43/36	550	550	620 std 820 1,020	928 std 1,128 1,328	480 680 std 880 1080 1280 1480 1680 1880 2000	780-980 std 1,180-1,380 1,580-1,780 1,980-2,180 2,300	550	102 108 119 125	102 108 119 125	120 150	790 990 std 1,190 1,390 1,590 1,790 1,990 2,190 2,310
						820-1,020 std 1,220-1,420 1,620-1,820 2,020-2,220 2,340					

DRUM DETACHER

Product Code: HSDTDA

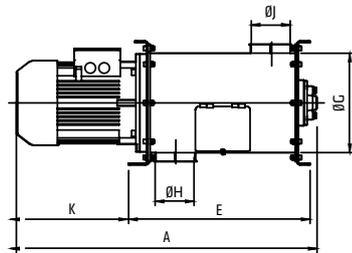
The Drum Detacher (HSDTDA) is used to break endosperm flakes which are produced by the reduction rolls to improve flour production.



Features & Advantages

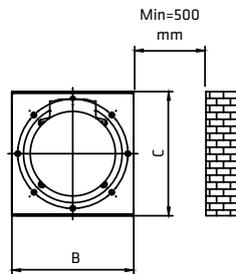
- *Delicate detaching without stock degradation*
- *Low energy consumption*

Front View (with direct drive)

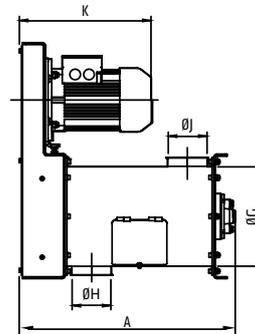


Drum Detacher (with Direct Drive)

Side View

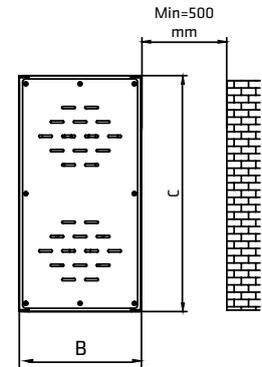


Front View

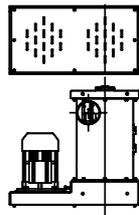


Drum Detacher (with Belt Drive)

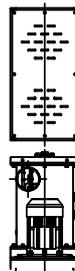
Side View



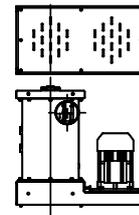
Position



Position "A2"
Motor Left



Standart Position "A1"
Central Motor



Position "A3"
Right Motor

Dimensions (mm)

Model	A	B	C	E	øG	øH	øj	K
HSDTDA 30 / 45-A	870	370	380	550	290	120	120	299
	910							338
HSDTDA 30 / 45-F	665		720	620				380

Technical Features

Capacity (TPH)	Motor (kW)	Weights (Kg)		Gross Volume (m³)
		Net	Gross	
1	2.2	100	148	0.4
1.5	3	105	152	0.5
1	2.2	100	148	0.5
1.5	3	105	152	

DEGERMER

Product Code: HSVBF

The HSVBF series of vertical maize degerming machines incorporate the most advanced techniques and has proved to be superior to other machines in maize degerming mills throughout the world. The versatility of the HSVBF for decorticating and degerming of all kernels makes it the ideal machine for modern maize mills.

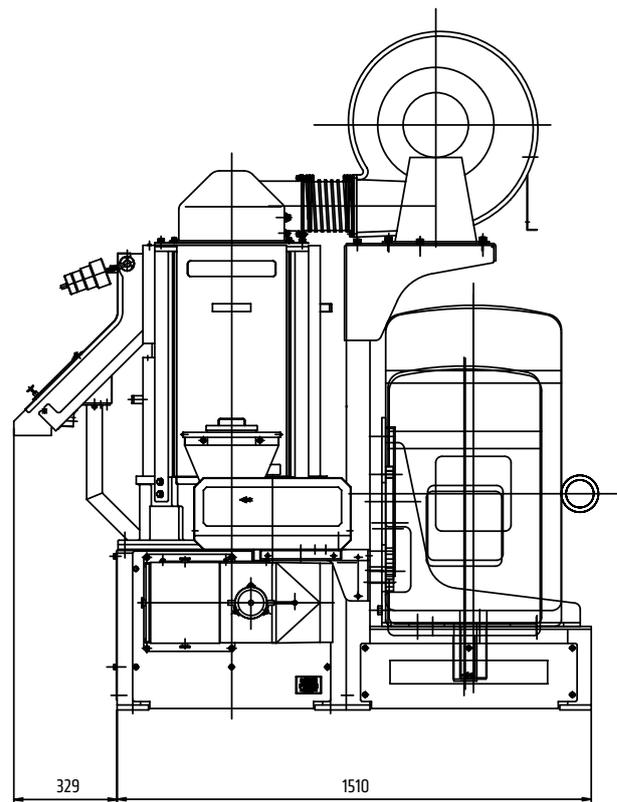
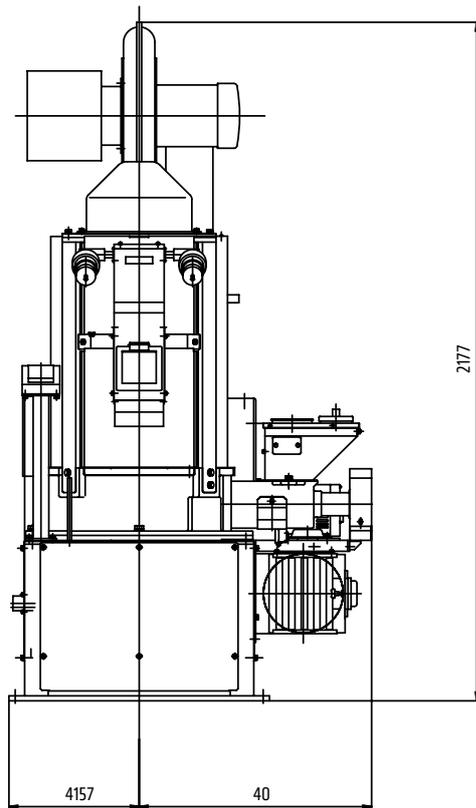


Features & Advantages

- Lower installation and operation costs
- Higher degerming yield
- Easy maintenance

↓ Front View

↓ Side View



Technical Features

Model	Capacity (TPH)	Motor (kW)	Main Shaft (r.p.m)	Air Volume (m ³ /min)	Static Pressure (mmAq)	Net Weight (kg)
HSVBF10AM-T	4 - 6	55 or 75	485 (50Hz) 464 (60Hz)	45	100 - 150	1.200 (without motor)

INFESTATION DESTROYER

Product Code: HSDVDU

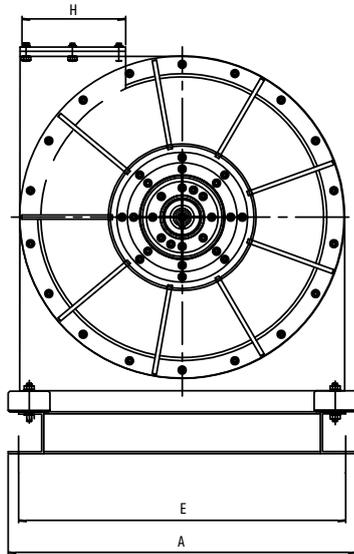
The Infestation Destroyer is designed to eliminate infestation elements (i.e. eggs, larva or insects) by installing it at the outlet of the milling products or before the bagging or bulk loading.



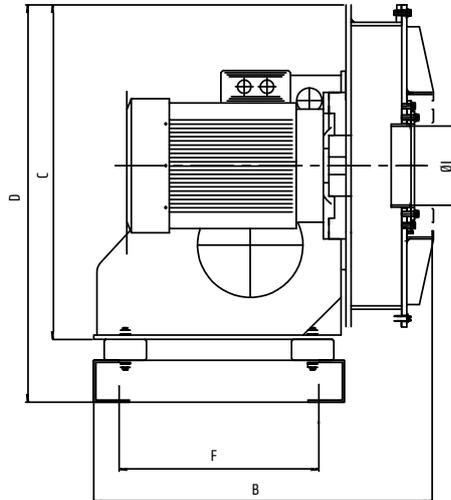
Features & Advantages

- Mild steel / stainless steel options
- Efficient and aesthetics
- Powerful operation

↓ Front View



↓ Side View



Technical Features

Model	Capacity (TPH)	Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
			Net	Gross	
HSDVDU 5.5 (S)	0.2	5.5	310	360	0.90
HSDVDU 7.5 (S)	3	7.5			
HSDVDU 11 (S)	4-5	11	355	405	
HSDVDU 15 (S)	6-8	15	375	425	1
HSDVDU 18.5 (S)	9-11	18.5	395	445	
HSDVDU 22 (S)	12-15	22	450	500	1.1
HSDVDU 30 (S)	16-18	30	510	560	
HSDVDU 37 (S)	19-22	37	520	570	
HSDVDU 45 (S)	23-27	45	620	680	1.2
HSDVDU 55 (S)	27-30	55	720	800	1.3

Model	Capacity (TPH)	Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
			Net	Gross	
HSDVDU 5.5 (S)	0.2	5.5	240	264	1.8
HSDVDU 7.5 (S)	3	7.5	255	281	
HSDVDU 11 (S)	4-5	11	282	310	
HSDVDU 15 (S)	6-8	15	363	400	2.4
HSDVDU 18.5 (S)	9-11	18.5	380	418	
HSDVDU 22 (S)	12-15	22	413	455	
HSDVDU 30 (S)	16-18	30	478	525	
HSDVDU 37 (S)	19-22	37	503	553	

Dimensions (mm)

Model	A	B	C	D	E	F	H	øj	K	
HSDVDU 5.5 (P)	770	949	807	1,145	680	551	465	ø200	150 x 120	
HSDVDU 7.5 (P)						626			150 x 150	
HSDVDU 11 (P)						706			190 x 150	
HSDVDU 15 (P)		1,205				500			515	220 x 190
HSDVDU 18.5 (P)		1,277				608			580	
HSDVDU 22 (P)										
HSDVDU 30 (P)										
HSDVDU 37 (P)										
HSDVDU 45 (P)										
HSDVDU 55 (P)										

Model	A	B	C	D	E
HSDVDU 5.5 (P)	740	740	1,350	1,585	710
HSDVDU 7.5 (P)					
HSDVDU 11 (P)					
HSDVDU 15 (P)	850	850	1,500	1,740	850
HSDVDU 18.5 (P)					
HSDVDU 22 (P)					
HSDVDU 30 (P)					
HSDVDU 37 (P)					

*Various motor power options are available upon requirement

SILO DISCHARGER

Product Code: HPSUB & HPSKB

The Silo Discharger is used to discharge flour (HPSUB) , bran (HPSKB) and similar type products from storage bins and concrete/steel/plastics silos, ensuring smooth discharge operation.



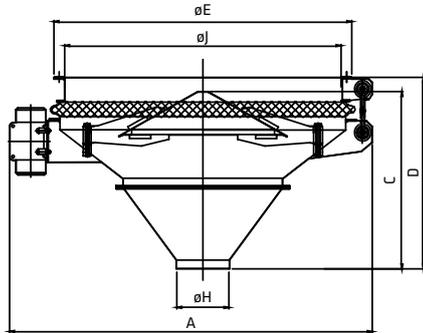
Features & Advantages

- Compact, but simple design
- Durability and long life span

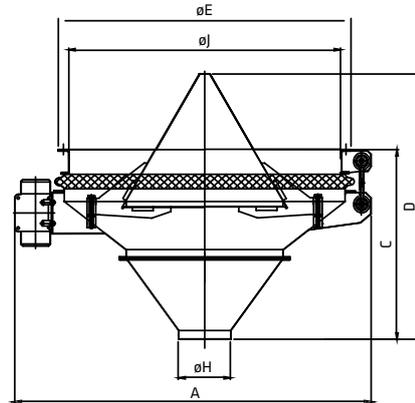
HPSUB

HPSKB

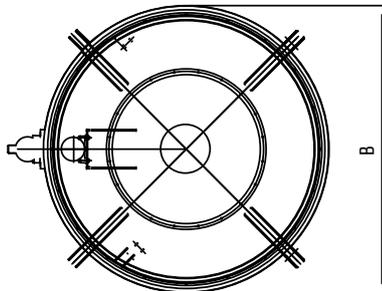
→ Front View



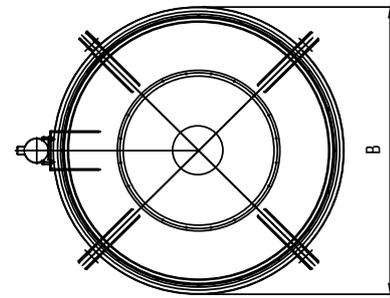
→ Front View



→ Top View



→ Top View



Technical Features

Model	Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
		Net	Gross	
HPSUB 100 / 20	0.43	225	367	2.3
HPSUB 100 / 30			363	2.1
HPSUB 130 / 30	0.55	362	570	3.9
HPSUB 130 / 50			560	3.5
HPSUB 160 / 30			430	710
HPSUB 160 / 50	698	5.5		
HPSUB 200 / 30	0.80	790	1,176	9.7
HPSUB 200 / 50			1,162	8.8

Model	Motor Power (kW)	Weight (Kg)		Gross Volume (m³)
		Net	Gross	
HPSKB 100 / 20	0.43	244	390	2.5
HPSKB 100 / 30			386	2.3
HPSKB 130 / 30	0.55	412	639	4.8
HPSKB 130 / 50			629	4.3
HPSKB 160 / 30			525	842
HPSKB 160 / 50	830	7.5		
HPSKB 200 / 30	0.80	610	1,024	11.5
HPSKB 200 / 50			1,010	10.6

Dimensions (mm)

Model	A	B	C	D	øE	øH	øj
HPSUB 100 / 20	1,400	1,100	570	783	1,058	200	958
HPSUB 100 / 30			500	714		300	
HPSUB 130 / 30	1,765	1,430	774	913	1,378	300	1,258
HPSUB 130 / 50			637	776		500	
HPSUB 160 / 30	2,060	1,730	1,010	1,090	1,678	300	1,558
HPSUB 160 / 50			872	953		500	
HPSUB 200 / 30			2,470	2,130		1,010	
HPSUB 200 / 50	872	1,108			500		

Model	A	B	C	D	øE	øH	øj
HPSKB 100 / 20	1,400	1,100	783	851	1,058	200	958
HPSKB 100 / 30			714	783		300	
HPSKB 130 / 30	1,765	1,430	913	1,173	1,378	300	1,258
HPSKB 130 / 50			776	1,035		500	
HPSKB 160 / 30	2,060	1,730	1,090	1,524	1,678	300	1,558
HPSKB 160 / 50			953	1,386		500	
HPSKB 200 / 30			2,470	2,130		1,246	
HPSKB 200 / 50	1,108	1,386			500		



*Henry Simon reserves the right to change, delete, or otherwise modify the information which is represented without any prior notice.



Handling Section



AIRLOCK-S • PNEUMATIC LINE DIVERTING GATE

AIRLOCK-S

Product Code: HSKHKM

The Airlock-S is used in pneumatic conveying lines, mainly with bag filters and cyclone separators. It works under negative pressure and provides an air seal against product leakage.



Features & Advantages

Two options are available to chose from;

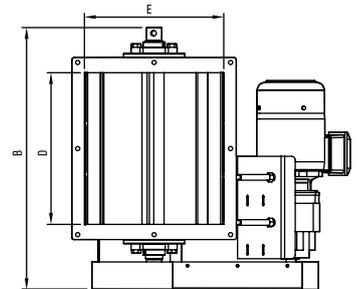
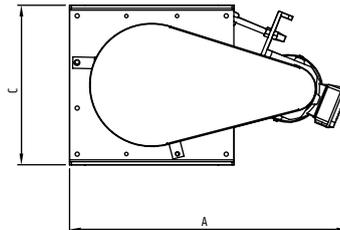
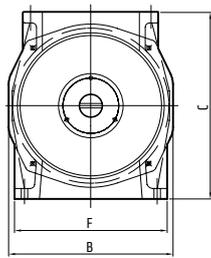
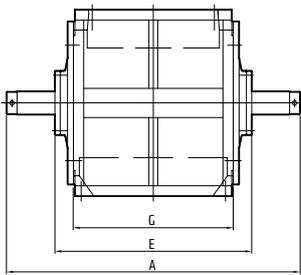
- *Flange mounted gearmotor*
- *Coupled shaft gearmotor*

↓ Front View

↓ Side View

↓ Side View

↓ Top View



HSKHKM - Airlock (Cast Iron)

HSSHKM - Airlock (Sheet Metal)

Technical Features

Model	Capacity (TPH)			Weight (Kg)		Gross Volume (m³)
	Wheat	Flour	Bran	Net	Gross	
HSKHKM - 25 / 21	6.04	4.35	2.41	56.5	81	0.1
HSKHKM - 25 / 27	8.42	6.06	3.37	61	88	
HSKHKM - 25 / 33	10.76	7.75	4.30	75.5	104	

Technical Features

Model	Weight (Kg)		Gross Volume (m³)
	Net	Gross	
HSSHKM - 22 / 27	56	81	0.3
HSSHKM - 25 / 33	61	95	0.4
HSSHKM - 35 / 40	66	104	0.5
HSSHKM - 45 / 45	72	110	0.9
HSSHKM - 50 / 50	90	125	1.1
HSSHKM - 60 / 60	100	135	1.5

Dimensions (mm)

Model	A	B	C	E	F	G
HSKHKM - 25 / 21	368	280	320	275	260	210
HSKHKM - 25 / 27	430			337		272
HSKHKM - 25 / 33	490			398		333

Dimensions (mm)

Model	A	B	C	D	E
HSSHKM - 22 / 27	330	670	320	270	263
HSSHKM - 25 / 33	550	700	320	330	263
HSSHKM - 35 / 40	430	820	420	400	365
HSSHKM - 45 / 45	800	800	525	450	465
HSSHKM - 50 / 50	1,000	850	550	500	513
HSSHKM - 60 / 60	1,000	950	650	600	613

PNEUMATIC LINE DIVERTER GATE

Product Code: HSKPKA

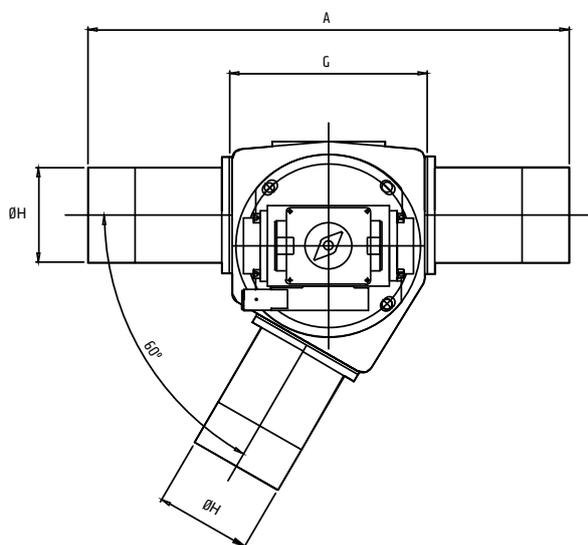
It is used to divert the product for both pressurized and suction pneumatic conveying systems.



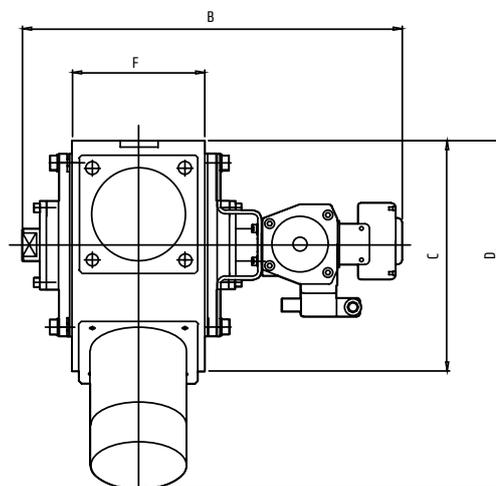
Features & Advantages

- Durable cast iron body and rotor structure
- High efficiency
- Easy to install

Side View



Top View



Dimensions (mm)

Model	A	B	C	D	F	G	øH
HSKPKA - B - 83	484	384	210	327	125	184	42
							46
							51
							57
							63
							70
							76
83							
HSKPKA - B - 102	516	414	247	371	148	216	95 102
HSKPKA - B - 120	548	446	287	406	174	248	108 119 125
HSKPKA - B - 150	598	488	345	467	210	298	133 150
HSKPKA - B - 180	636	540	378	500	243	336	170 190

Technical Features

Weights (Kg)		Gross Volume (m ³)
Net	Gross	
37	70	0.1
56	92	0.12
92	132	0.14
127	172	0.18
162	212	0.22



Scale & Packaging Section



FLOW BALANCER • SCALE • EXTRACTION RATE SCALE
CAROUSEL PACKING MACHINE

FLOW BALANCER

Product Code: HSTFBA

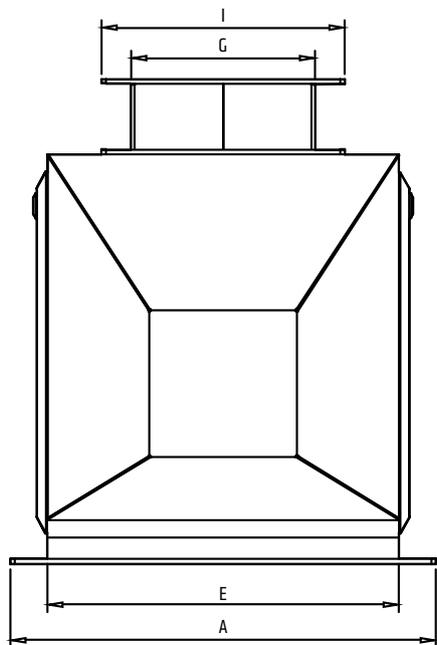
Flow balancer is used to electronically measure the gravimetric flow rate of grain. This equipment mainly placed under the raw material and product silos for efficient blending process.



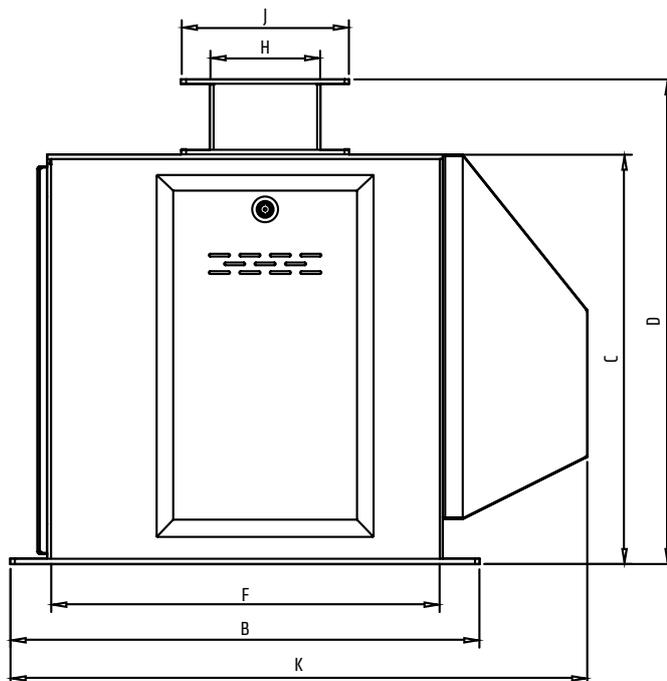
Features & Advantages

- High accuracy and product flow rate
- Robust and high quality body
- Long life span

↓ Top View



↓ Side View



Technical Features

Model	Capacity (TPH) Wheat*	Weight (Kg)		Gross Volume (m ³)
		Net	Gross	
HSTFBA 30	0-30	60	100	0.2
HSTFBA 100	30-100	80	130	0.4

Dimensions (mm)

Model	A	B	C	D	E	F	G	H	I	J	K
HSTFBA 30	461	508	447	530	381	428	200	120	264	182	624
HSTFBA 100	617	572	498	582	537	477	420	156	356	212	702

* Capacities are given for wheat and may change for other type of products.

SCALE

Product Code: **HSKBTA-C**

The HSKBTA-C scale is used for accurate weighing process in high capacity continuous product flow operations. HSKBTA-C is a batch type weighing unit, mainly designed for granular or powdered products. The scale allows tracking of the product feed and flow rate information by the PLC connection.

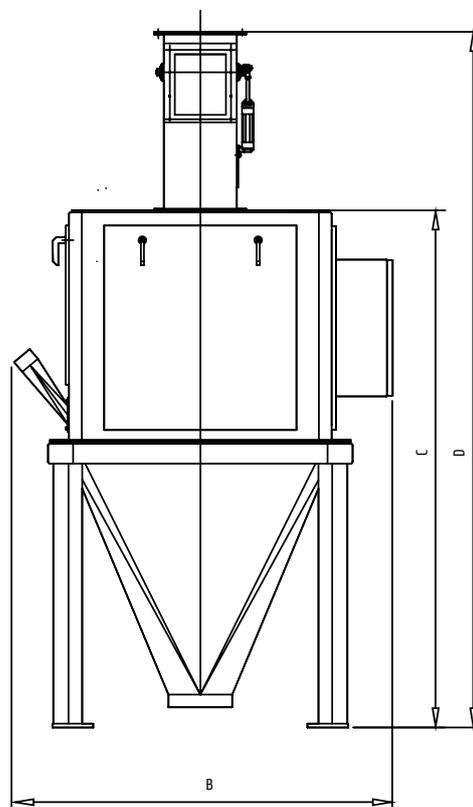
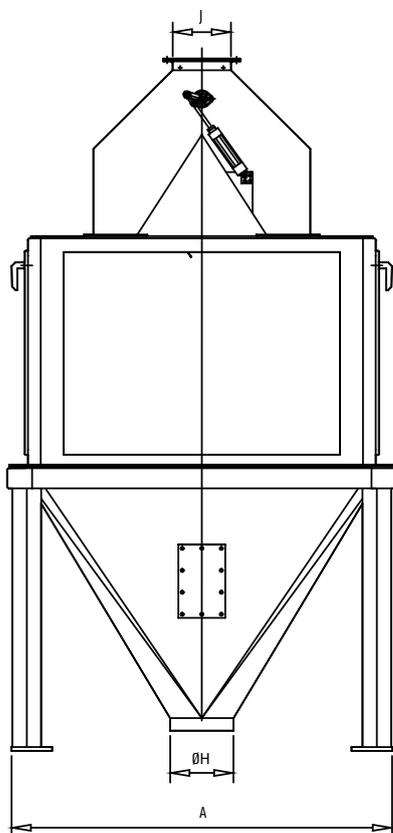


Features & Advantages

- Low maintenance requirement
- High capacity
- Maximum hygiene
- Durability

↓ Front View

↓ Side View



Dimensions (mm)

Model	A	B	C	D	E	J
HSKBTA-C 100	1080	1414	1570	2032	250	280 x 280
HSKBTA-C 200	1329	1595	1925	2509	300	304 x 360
HSKBTA-C 300	1560	1788	1020	1537	350	354 x 380
HSKBTA-C 500	1820	2060	1208	1813	400	400 x 400
HSKBTA-C 900	2075	2313	1370	2062	450	465 x 458

Technical Features

Capacity (TPH)		Weights (Kg)		Gross Volume (m³)
Wheat	Flour	Net	Gross	
33	24	506	722	5.1
55	49	450	744	8.0
101	74	840	1110	6.6
160	123	1080	1061	9.9
253	195	1400	1841	13.8

EXTRACTION RATE SCALE

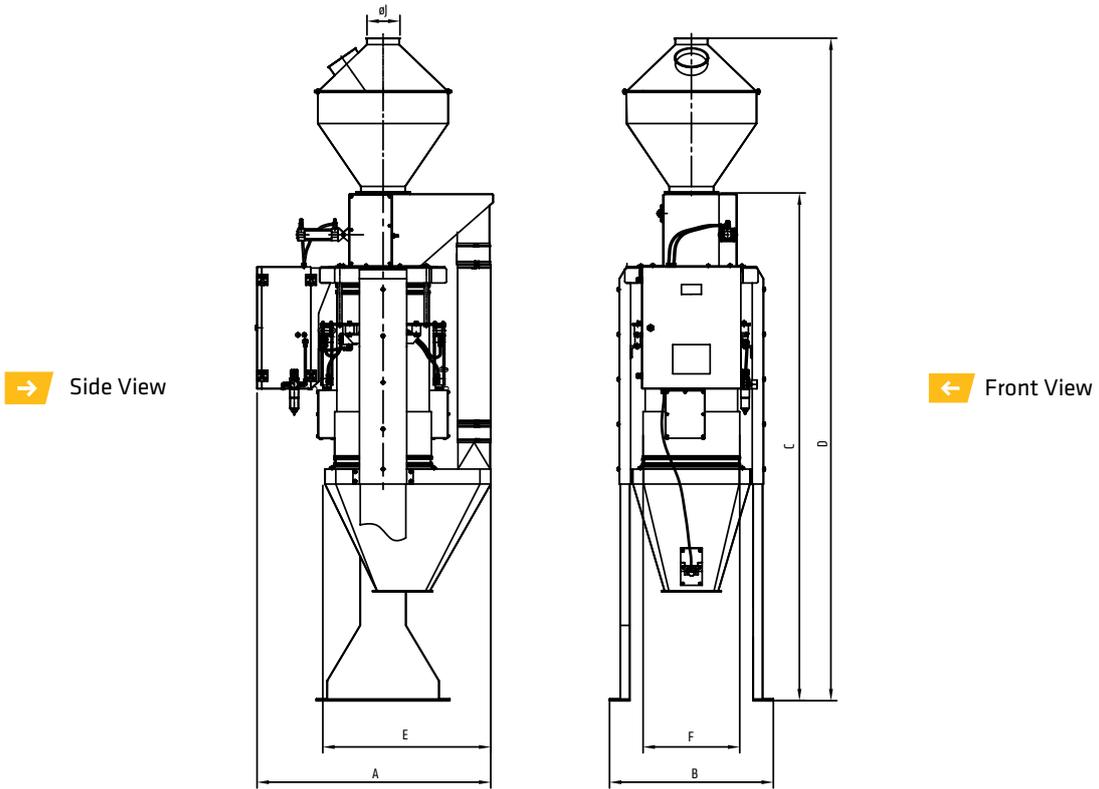
Product Code: HSDURA - HSDKRA - HSKBTA

Extraction scales are designed to measure continuous material throughput rate and weight for granular or powdered products. HSDURA, HSDKRA and HSKBTA are designed to use for flour, bran and wheat, respectively. The scales can also be used in different stages of the production cycle by displacing them accordingly. This enables to collect data at raw material input, process output etc. by PLC connection, then this data can be analysed to determine the extraction rate for milling plants.



Features & Advantages

- Low maintenance requirement
- Tolerance error warning alarm
- PLC connection compatibility
- Robust and leakproof structure
- Max. hygiene



Technical Features

Model	Hopper Volume (dm³)	Capacity (TPH)					Weight (Kg)		Gross Volume (m³)
		Wheat	Flour	Bran	Corn	Semolina	Net	Gross	
HSKBTA 30	32	8	5	2.5	8	2.5	227	371	2.7
HSDURA 30									
HSDKRA 30									
HSKBTA 75	80	18	11.5	5.5	16.5	9.5	416	622	4.5
HSDURA 75									
HSDKRA 75									
HSKBTA 150	162	37	23.5	11	33.5	19.5	610	890	7.6
HSDURA 150									
HSDKRA 150									

Dimensions (mm)

Model	A	B	C	D	E	F	øj
HSKBTA 30	900	615	1,880	2,430	580	330	120
HSDURA 30							
HSDKRA 30							
HSKBTA 75	1,087	762	2,380	3,105	770	450	150
HSDURA 75							
HSDKRA 75							
HSKBTA 150	1,351	942	2,870	3,721	1,005	560	
HSDURA 150							
HSDKRA 150							

CAROUSEL PACKING MACHINE

Product Code: HSHPTM

The Carousel Packing Machine is used to effective packaging of the granular and processed products in 10 kg, 25 kg and 50 kg, Polypropylene (PP) bags at a high throughput.

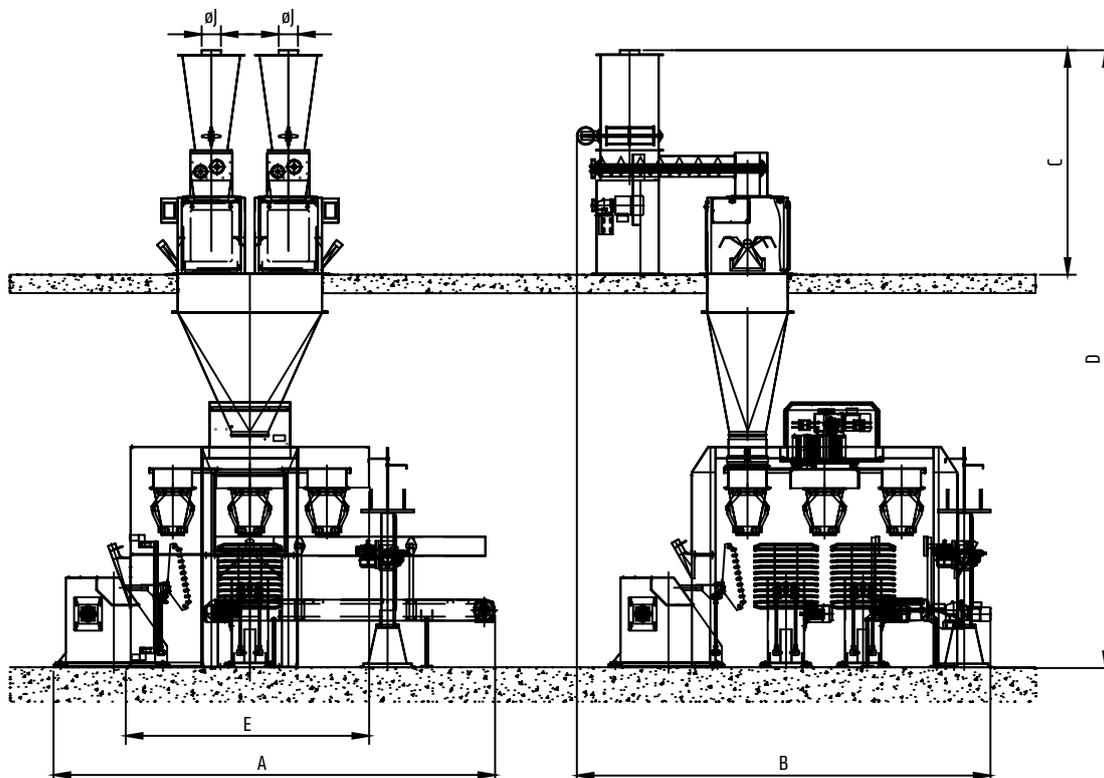


Features & Advantages

- Aesthetic design and efficient operation
- Precise and high product throughput
- Low energy consumption
- Equipment durability

Front View

Side View



Dimensions (mm)

Model	A	B	C	D	E	$\varnothing j$
HSHTM 4	4615	4295	2350	6470	3000	200
HSHTM 6						

Technical Features

Capacity Bag per hour	Motor (kW)	Number of Spout	Weights (Kg)		Gross Volume (m ³)
			Net	Gross	
600	4 x 0.55	4	3300	3741	58.5
	2 x 0.75				
	2 x 1.5				
	2 x 2.2				
800	4 x 0.55	6	3500	3941	67.5
	3 x 0.75				
	2 x 1.5				
	2 x 2.2				

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