

PLANSIFTER HSQP



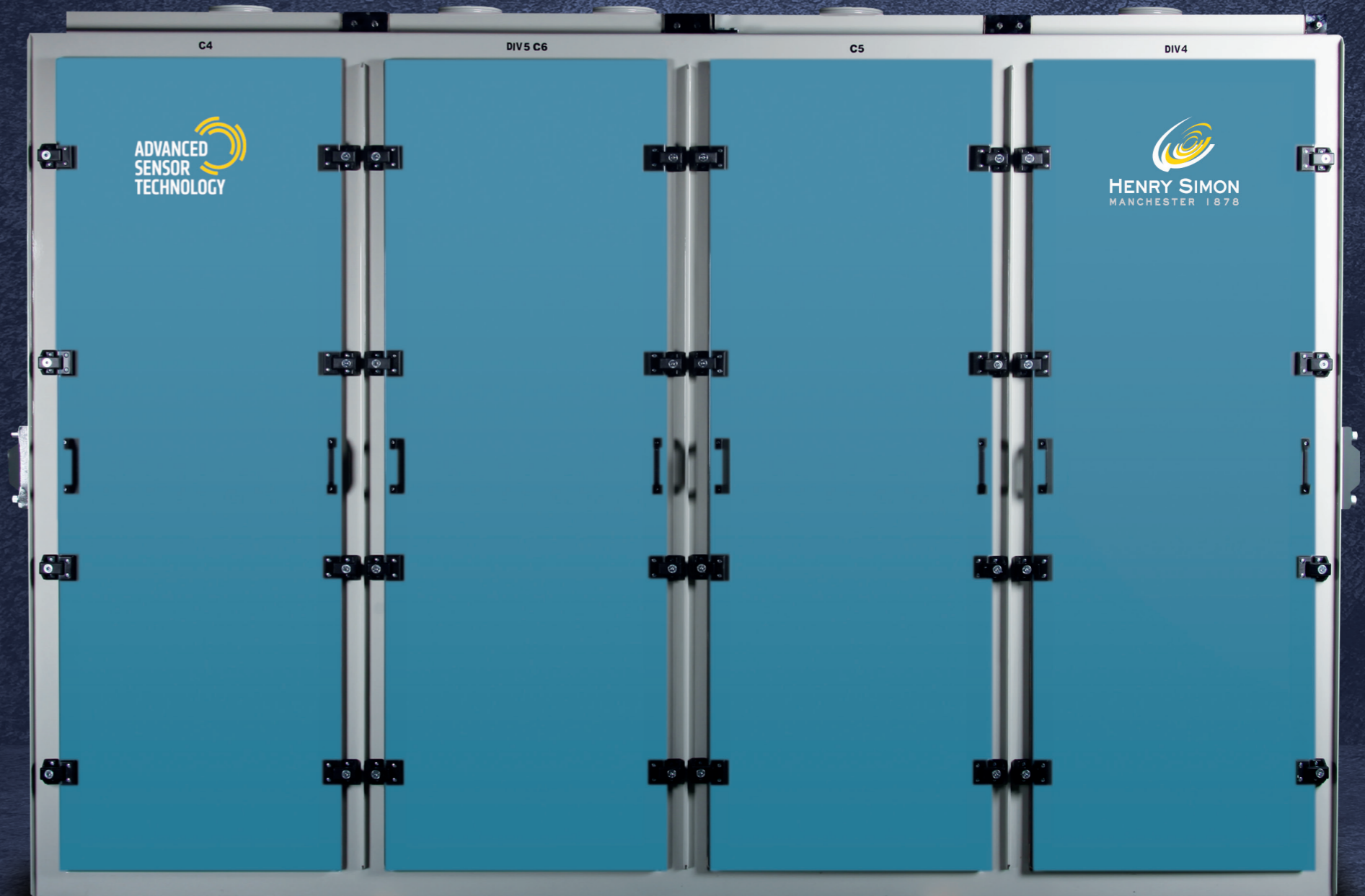
HENRY SIMON
MANCHESTER 1878

Having the same spirit for innovation since 1878...

— The new HSQP Plansifter combines the best of Henry Simon experience in grain milling technology for over 140 years.

The plansifter is used for the sifting (sieving) and grading process of grinded wheat, maize, and other grains (barley, rye, spelt etc).

It is also suitable for the processing of other granular and powdered foods (tea, malt, coffee, lentils, mustard etc.).



HSQP AT A GLANCE

HSQP Plansifter is designed to provide high capacity and efficiency together.

The strong architecture of the plansifter is made of a highly resistant steel for vibrative operations. The innovative drive system provides a reliable, efficient, and trouble-free operation.

High quality insulation ensures high food safety and sanitation standards.

HSQP offers a wide capacity range with 4, 6 and 8 passages. Each sieving section (passage) can accommodate up to 28 sieve boxes, while HSQP- G models have 30 sieves capacity and offering an extra 22% sieving surface with larger sieve boxes.

Moreover, the plansifter is equipped with Advanced Sensor Technology™ to ensure high efficiency in the sifting process.

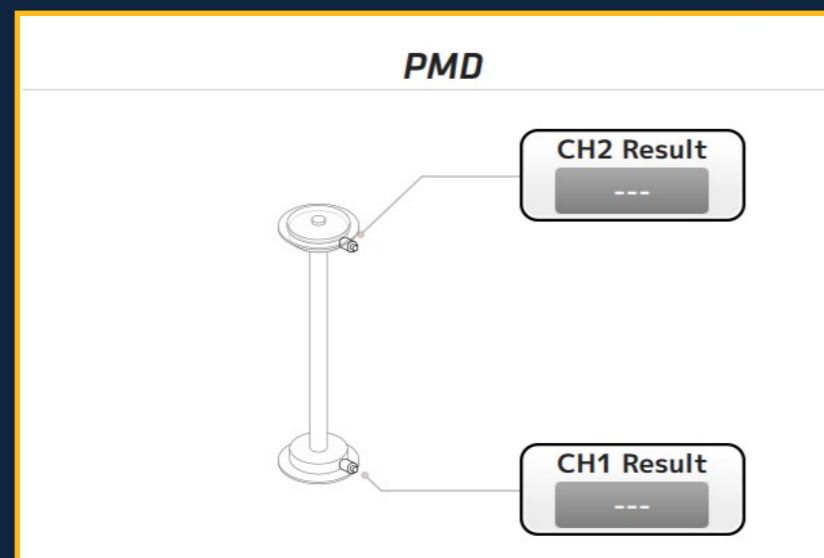


TECHNOLOGY

Advanced Sensor Technology™ is designed for real-time tracking of machine's operating status and environmental processing conditions; higher reliability, operational safety, and consistent quality in the milling process.

HSQP Plansifter is equipped with a total of 6 different sensors placed at the main chassis and main drive mechanism, to ensure ultimate sieving performance.

Let's meet with Henry Simon's sensor technology...



HUMAN DETECTION SENSOR
AMBIENT SENSOR
VIBRATION SENSOR (PMD)
MOTOR LOAD SENSOR
BELT TEMPERATURE SENSOR
SLIP SENSOR

**ADVANCED
SENSOR
TECHNOLOGY**

TECHNOLOGY



Humidity

Temperature

Atmospheric Pressure

Ambient Sensor

The sensor pack is designed to monitor environmental processing conditions (including the ambient temperature, humidity, and atmospheric pressure); which may directly affect the product and processing quality.

Moreover, 9 axis motion sensor in the ambient sensor pack is used to provide the rotational diameter and speed information of the plansifter to ensure proper and safe operation.

Slip Sensor

The sensor is build to detect any movement abnormalities of plansifter related to installation and hanging position.

Vibration Sensor (PMD)

The sensor detects any change in vibration levels of counter shaft bearings of the plansifter, to predict any possible failure on the main drive system.

Motor Load Sensor

The sensor tracks the main motor load for protection against any possible damage, with consumed amperage information of main drive motor on the touchscreen panel.

Belt Temperature Sensor

The sensor is built to detect overheating of the main drive belt, which can be an early prevention signal for any failure on the main drive system.

OPERATIONAL TRANSPARENCY

As being the first application example, HSQP Plansifter is equipped with an external touchscreen control panel for monitoring operating data (rotation diameter and speed, motor load, sieve configuration etc), as well as other sensor related information.

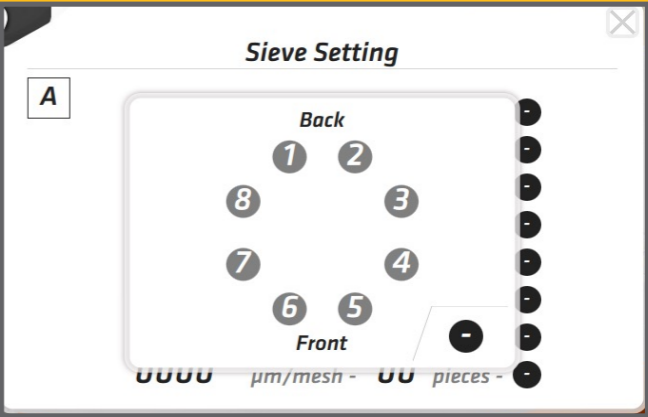
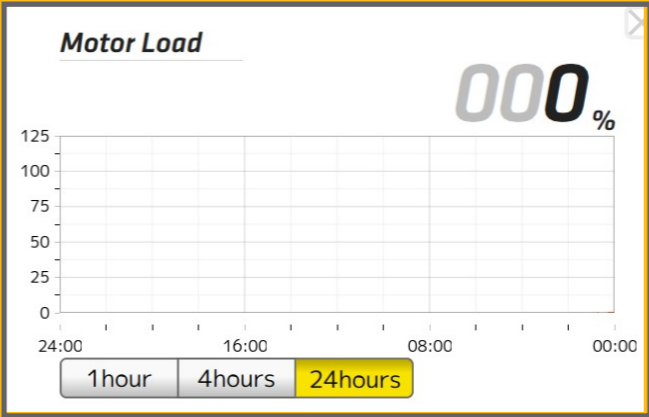
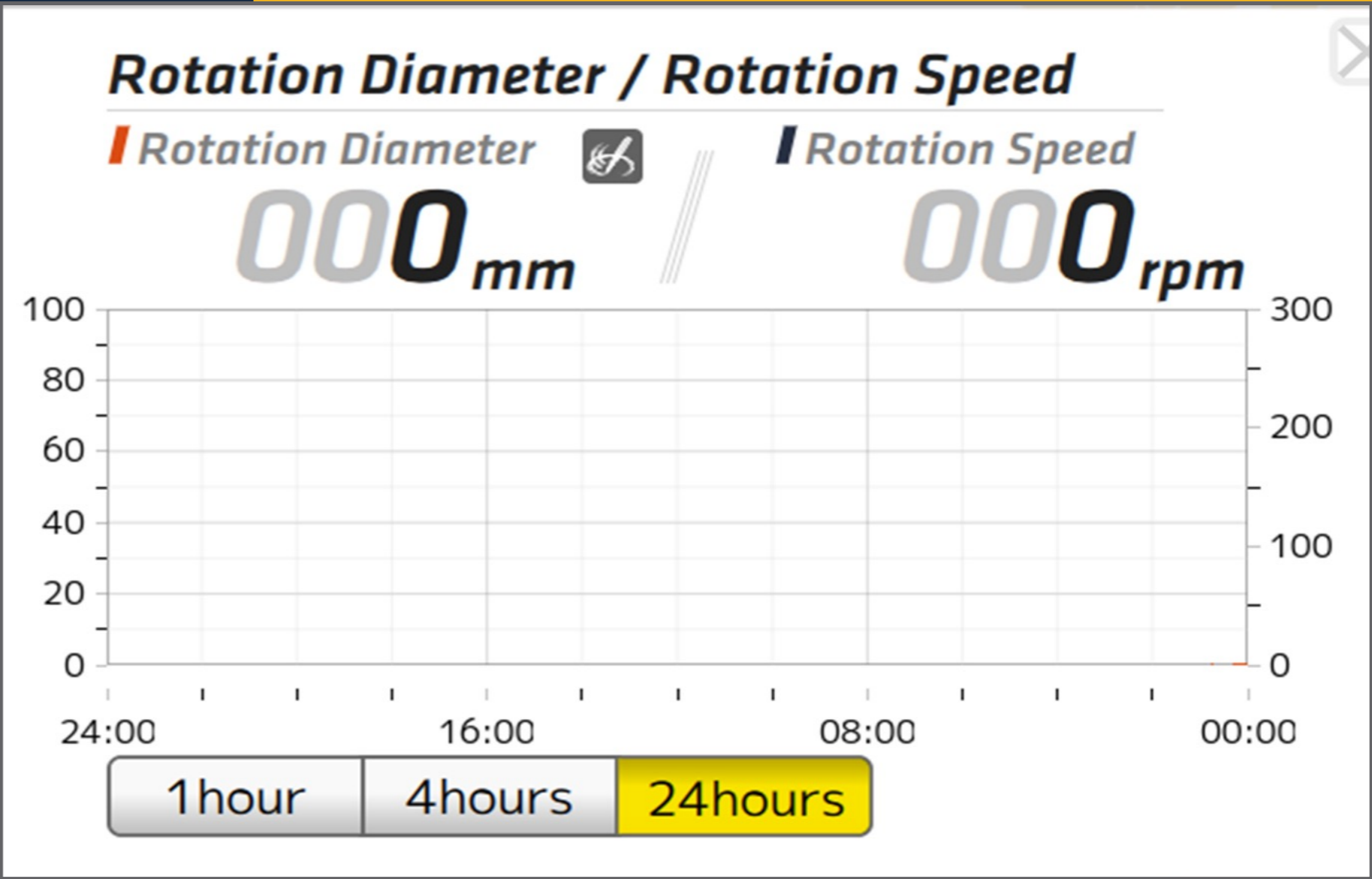
The touchscreen panel is also equipped with **Human Detection Sensor**, which automatically switches on the touchscreen panel of the machine by detecting the operator's physical presence. The sensor aims at both energy saving and extending the usage life of the panel.

Maintenance Software

HSQP Plansifter has been equipped with a special maintenance software, which enables monitoring the replacement time of consumables (bearings, belts, greasing etc).and notify in advance of replacement time.

Thanks to the Sieve Administration System, the configuration of built-in sieves can be displayed to prevent any mistakes during the sieve replacement operation.

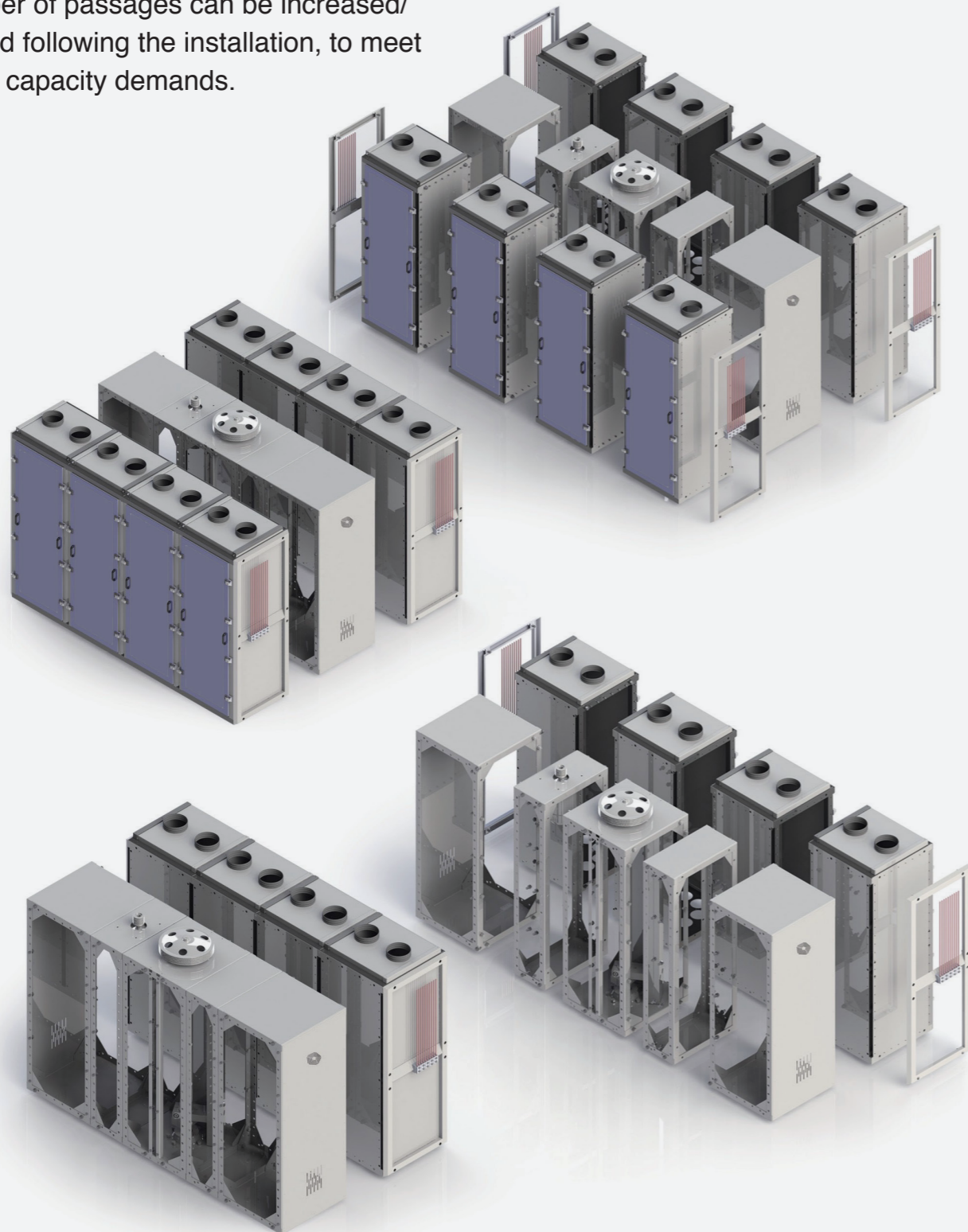
Moreover, the software also allows visualization of the maintenance history, error log etc. information.



MODULAR STRUCTURE HSQP -M

The plansifter can be produced and shipped in modules (on demand), which provides a fast manufacturing and delivery time advantage.

Moreover, it provides a total flexibility that the number of passages can be increased/decreased following the installation, to meet changing capacity demands.



HIGH QUALITY SIEVES

Sieve configuration of the plansifter can be tailored for any specific process requirement. And, sieves also come with below size and material variants, also with different mesh material (silk, metal) and cleaner options.

Material:

Wooden Sieve Box - Formica /Stainless Steel Base- Aluminium /Wooden Insert Frame

Plastic Sieve Box - Stainless Steel Base -Aluminium /Wooden Insert Frame

Dimensions:

640x640 mm standard and 740x740 mm (G models)



Plastic Sieve Box
with Aluminium Insert Frames

STANDARDS & OPTIONS

Variants:

- 4,6, or 8 number of passages
- Food Grade or Stainless Steel Interior Isolation
- Central Lubrication (for counter shaft bearings)
- Standard or Modular Structure

Options:

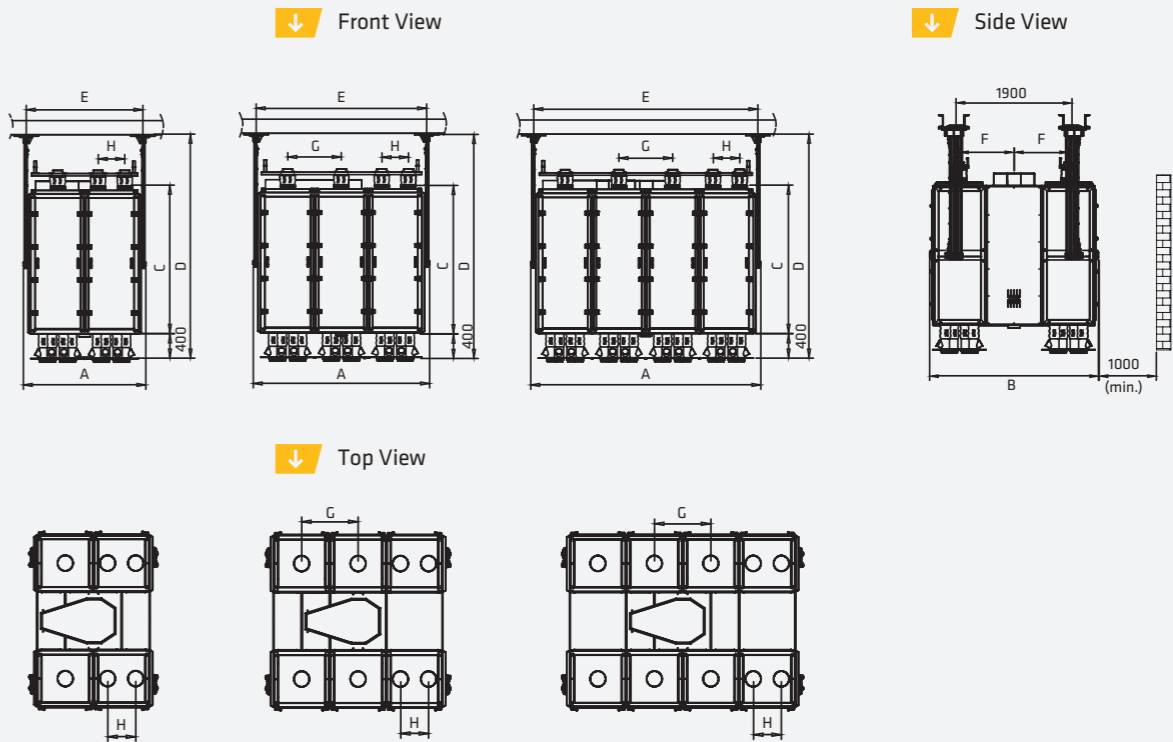
- Sensor Packs (see the chart)

Accessories:

- Sieve Stretching Device

SENSOR PACKS	HSQP	HSQP+
Human Detection Sensor		●
Ambient Sensor		●
Motor Load Sensor		●
Vibration Sensor (PMD)		●
Belt Temperature Sensor		●
Slip Sensor		●

SPECIFICATIONS



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	24-28	30	20-24	24-28	30
Net sifting area in	Typ N m²	20-25	25-30	37.5	30-37.5	37.5-45	56.2	40-50	50-60	75
	Typ G m²	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		11.5	13	18.1	16.4	18.5	25	20.2	22.9	32.2

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	2,335		2,765	2,355		2,765	2,355		2,765
C	1,995	2,293	2,398	1,995	2,293	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		

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



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