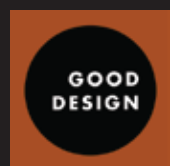


WHERE MILLING BECOMES BETTER



Designed by
IG
ITALDESIGN

grapas INNOVATIONS AWARDS



RICE



PASTA



FLOUR



HENRY SIMON
MANCHESTER 1878

HERITAGE

It all began in 1878 when Henry Simon established Henry Simon Ltd, a company that was to become a world-famous organization - the Simon Engineering Group as one of the original innovators of industrial milling, Henry Simon is acknowledged for developing machinery to improve its customer's process, reliability,

quality, and efficiency. This drive for continuous technological advancement is still at the heart of Henry Simon today. All of our machines are re-designed and manufactured with the latest robotic cutting, welding and assembly technology.



PRODUCTION & TECHNOLOGY

Innovative and robotic manufacturing technologies increase production efficiency and product quality.

Henry Simon's researchers are focusing their efforts on new, environmentally friendly manufacturing techniques suitable for large-series production. Such solutions include optimized forming, CNC machining and robotic welding techniques along with automated assembly, automatic painting techniques that do not damage 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 is also available to provide a comprehensive control system for your process, with extensive experience. Henry Simon uses the latest technologies.

ADVANCED SENSOR TECHNOLOGY

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 Detection Sensor

To detect the operator's physical presence when he/she is in the vicinity of the machine and activates the touch panel for the operator's command. The sensor aims at saving energy.



Stock Level Sensor

It enables the control of feed flow rate by monitoring the stock level inside the feed tank, and regulating the feed roll speed accordingly.



Feed Roll Rotation Sensor

The sensor enables tracking the rotational speed of the feed rolls, additionally warns about any unexpected stop due to electric supply problems etc.



Main Roll Position Sensor

To confirm whether the main rolls are in engaged or disengaged position for operational safety.



Main Roll Rotation Sensor

To monitor rotational speed of main rolls, additionally to warn the operator when there is an unexpected malfunction of the main rolls due to belt problem, material clogging etc.



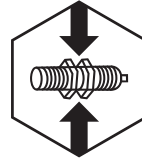
Vibration Sensor (PMD)

The sensor is used as a predictive maintenance tool, to prevent any operational failure by detecting the changes in vibration levels on bearings.



Ambient Sensor

The sensor pack is designed to monitor environmental working conditions of machine; consisting of temperature, humidity, atmospheric pressure, illuminance sensors and configured by a microphone. Additionally includes a 9-axis sensor for plansifter in order to track the rotational speed and oscillation data.



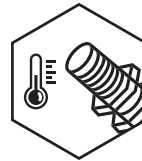
Air Pressure Sensor

To detect any air pressure loss in pneumatic system, which is related with the grinding pressure on main rolls.



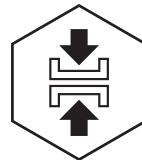
Hopper Clog Sensor

To ensure proper product flow by detecting any clogging inside the lower hopper.



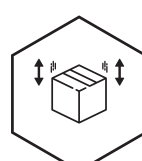
Main Roll Temperature Sensor

To monitor surface temperature of main rolls to ensure even heat distribution and prevent overheating of rolls, which will directly effect the grinding efficiency.



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.



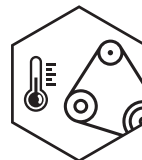
Slip Sensor

to detect any movement abnormalities of plansifter related to installation and hanging position.



Motor Load Sensor

to monitor the main motor load for protection against any possible damage.



Timing Belt Temperature Sensor

To detect the overheating of the timing belt, which is an early prevention signal for any failure on drive system.

HSRM | ROLLER MILL



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.

Features & Advantages

- High efficiency
- Quick roll change mechanism
- Central lubrication system
- Low energy consumption

HSPU | PURIFIER



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
- Quick and easy replacement of sieves
- Easy to clean and sanitary design

HSQP | QUADRO PLANSIFTER



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

REFERENCES



3.400 PROFESSIONAL STAFF

From all over the world providing global-thinking along with the capability to react to local diversities and needs.

12 SALES OFFICE



Around the world with professional sales staff ready to contact and provide service with high customer intimacy.



9 PRODUCTION PLANTS

Highly automated, equipped with advanced technology and robotic machinery for precision made products.

400+ TURN-KEY REFERENCES



Built and commissioned successfully in a professionally and custom-made manner corresponding to each customer's needs and expectations.



280 R&D TEAM MEMBERS

Dedicated to innovation which will lead the industry to produce healthy food for the world.

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