SEMOLINA
TECHNOLOGY ENLIGHTENED

GOLFETTO SANGATI
GRAIN MILLING AND HANDLING

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THE EVOLVING PERFORMANCES

Semolina, the new line of purification machines by Golfetto Sangati, is the result of 20 years of technological evolution and improvements that have led to the definition of the most requested product on the market. Semolina is available in 2 different models: the traditional HP50 and the innovative HP55.

- High-quality materials
- Reduced noise level
- High performance
- Reduced maintenance
- Long durability
- Absolute precision
- Safe use
- Hygienic safety

DESIGNED FOR BEAUTY

Particular attention has been given to the design of Semolina utilizing durable and high quality materials, yet maintaining a simple and minimal profile.

THE WAY OF QUALITY

A history of professionalism

Semolina's design is born from several years experience of mill's designers around the world and from the valuable collaboration with our clients, in order to provide a high performance machine that features simplicity and reliability.

During the operation dust leakage from the machine is eliminated, thus being in compliance with all security's regulations in areas considered at high risk of dust explosion as in mills.

Simple Operation

For every machine, the Semolina power supply adjust itself according to the particle size of the worked product, through a designated grid opening or closing which operates as a distributor at the entrance of the first frame.
Once the machine stops, this type of power supply allows for a complete product purging and for a perfect distribution of the product on the machine, which is essential for the following phase.
The product sorting is accomplished through 12 sieves arranged in overlapping rows and it is then collected by two brushed stainless steel conveyors. The sieves are made of extruded aluminum alloy 6060 and are food-grade.
The sieve covers may be tensioned with a screw system, or, as in the case for the plansifter frames, the screens can be glued by means of appropriate adhesives. Sieve cleaning may be done with balls or brushes.
The removal of the sieve frames is quick and simple by using a spring-tensioned "turn and release" handle.
The diversion of the product to the desired conveyor occurs through diverters.
The by-products can be managed in a single stream or collected utilizing 2x2 manual regulators.

The Flyback® patent

The entire Semolina series of purifiers are equipped with the patented Flyback® feature. This device allows the product full exposure to the lower row of sieves, which maximizes the efficiency of the machine.

Solid foundations

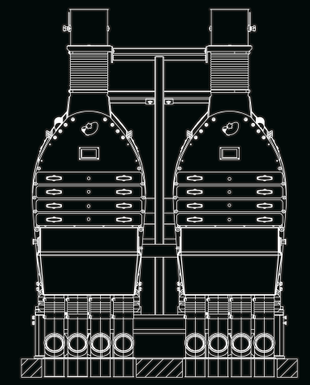
The steel frame holds the two sections of the machine mounted on shock absorbers and equipped with two large windows for inspection. The vibrating action is obtained through two vibratory motors.
All parts in contact with the product are free of painted surfaces and are made of 60/60 aluminum alloy or stainless steel.
The Semolina assembly is made using high quality stainless steel bolts and no welding is used in the components assembly.

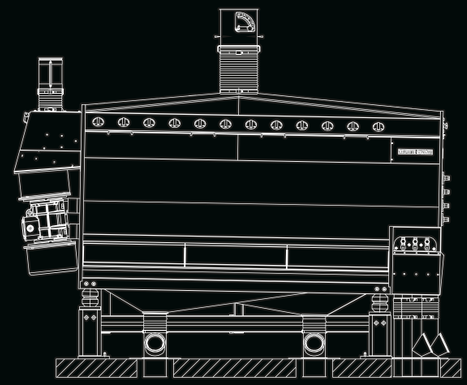
NEXT GENERATION PURIFIER

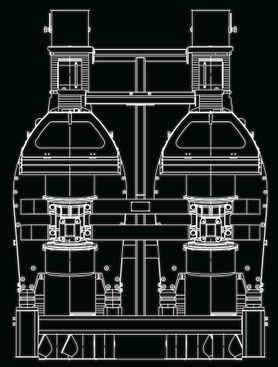
Semolina HP55

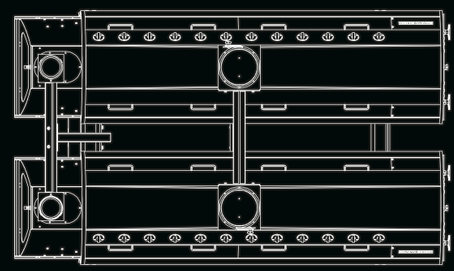
Evolved from the proven Semolina HP50, the Golfetto Sangati project team developed a next generation purifier with innovative features that place it at the top of its category for the accuracy in the classification of semolina, extraction efficiency, productive capacity and functional efficiency.
Considering that the classification process of semolina occurs primarily vertically by passing quickly through the sieves, our design team decided to modify the positioning of the sieve frames normally used in traditional purifiers to take advantage of this concept. By configuring the purifier to have four rows of superimposed sieves, each composed of three sieves, the separation efficiency of the semolina is considerably more precise. Furthermore, the purification surface of the HP55 has been increased by 10% due to utilizing 550mm square sieves.
Despite the increase of the sifting surface, the newly designed configuration of the sieves allowed the overall footprint of the machine to be reduced by 12%. In addition to saving valuable floor space within the mill, the reduction in size contributed to reducing the energy requirement for the eccentric movement of the machine.
Given the different internal distribution of the sieves and the reduction in machine length, the air flow distribution is much more uniform and more easily controlled across the length of the machine.
To maximize the purification efficiency of the semolina, there are four air-flow adjustment points per sieve length on the Semolina HP55 which enables the miller to precisely control the air flow and maximize the performance based on the current mill operating conditions. This allows for an exceptionally high degree of accuracy when purifying the semolina.

SEMOLINA HP55

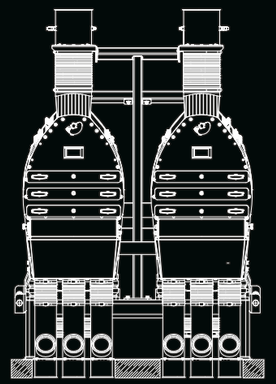


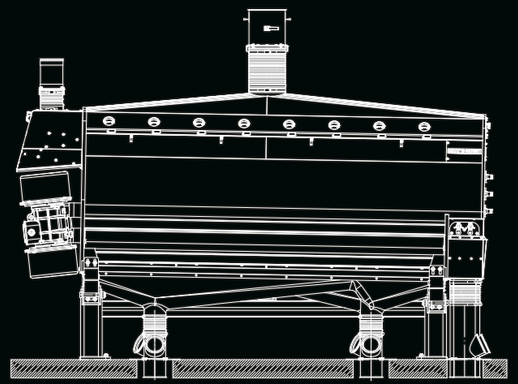


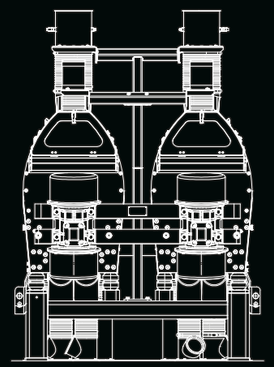


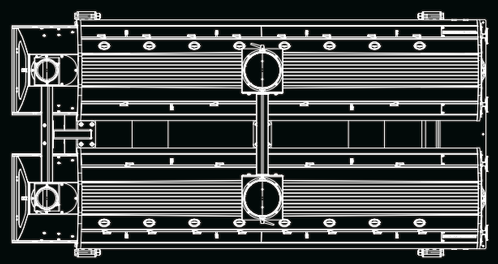


SEMOLINA HP50

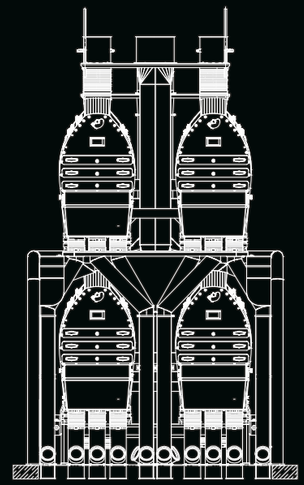


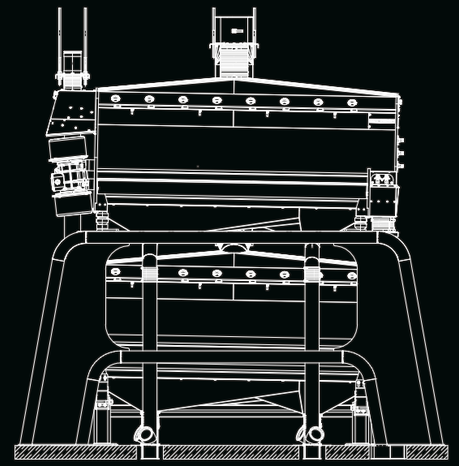


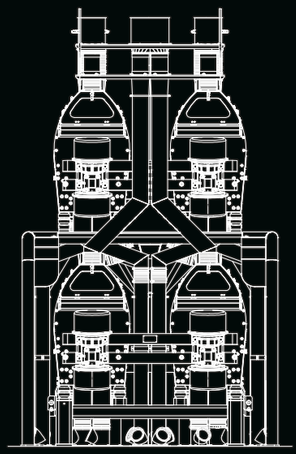




SEMOLINA HP50S







MODEL	FRAMES NUM.	FRAMES DIMENSIONS	SIFTING AREA	VIBRATORY MOTORS		SUCTION		DYNAMIC WEIGHT		WEIGHT	HEIGHT	WIDTH	LENGTH
		mm	m^2	N.	Kw	m^3/T	daPa	Vert.	Horiz.	Kg	mm	mm	mm
SEMOLINA HP 50	24	500x500	6	2	0.65	60	80	±50	±180	1050	1942	1240	2636
SEMOLINA HP 50 S	48	500x500	6x2	4	0.65	60+60	80+80	±100	±400	3000	3170	1890	3150
SEMOLINA HP 55	24	550x550	7.2	2	0.65	60	100	±50	±180	1150	1900	1350	2366

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Golfetto Sangati s.r.l.

Headquarters
Via Monte Grappa 8,
35015 – Galliera Veneta (PD), Italy
Tel. +39 049 9423111
Fax +30 049 9423303

Production plant
Via F.lli Bandiera 3,
31055 – Quinto di Treviso (TV), Italy
Tel. +39 0422 476700
Fax +39 0422 476800

Vat n. IT04444310280

info@golfettosangati.com
www.golfettosangati.com