

ROLLER MILL APPAREIL A CYLINDRES



INNOVATION
MORE THAN
JUST A WORD

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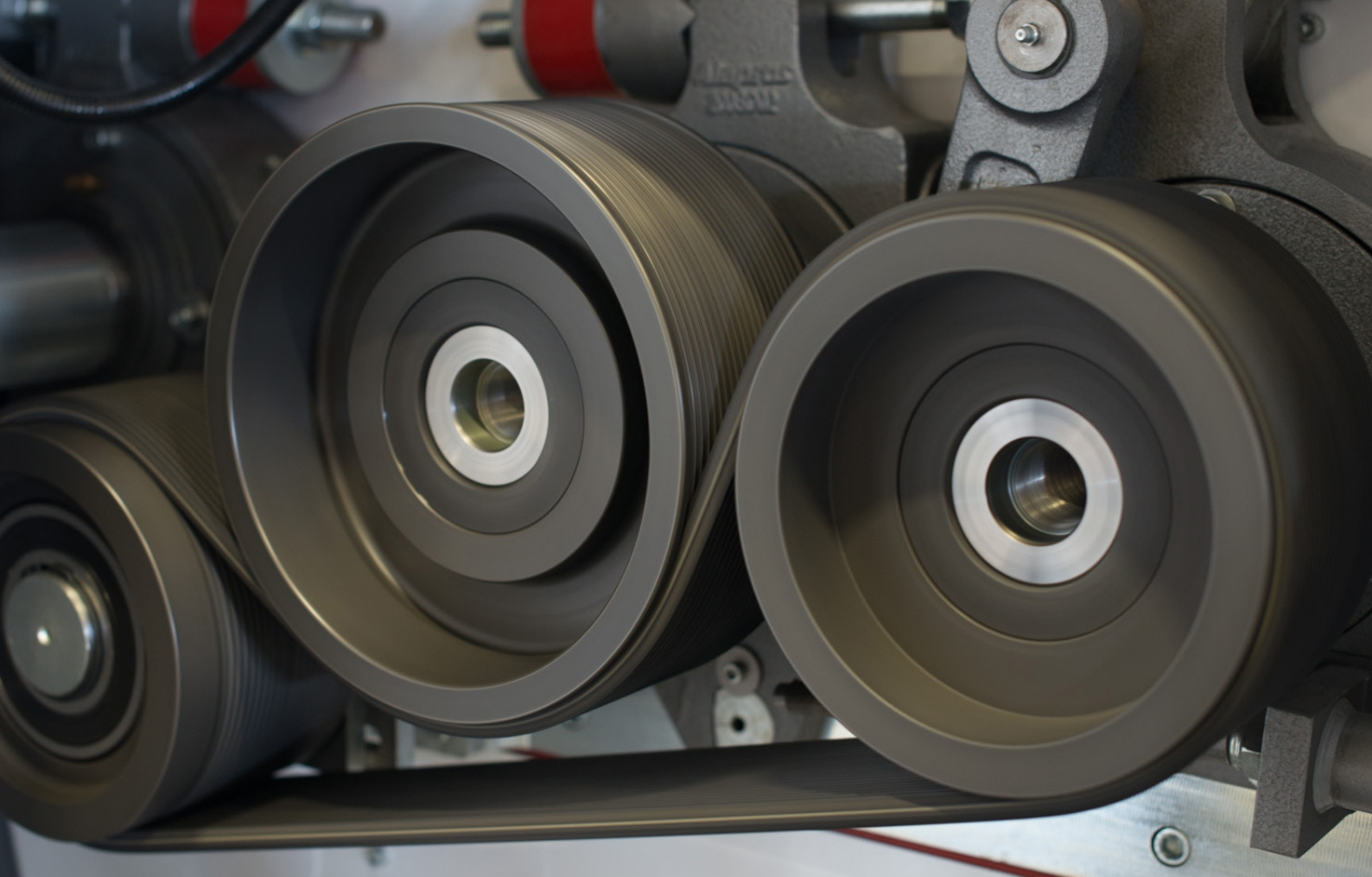
ONE STEP FURTHER

Roller mills can be used within a system in varying numbers depending on the technically equipped capacities with respect to product types, in order to obtain the desired product by breaking and crushing cereals. They are used in;

- Flour and semolina factories
- In plants processing cereals such as rice, corn, rye, barley, etc.
- Coffee grinding plants.

The machine consists of a product entry box, feeding system, breaking and crushing balls and a scraping brush and blade system. In addition, the pneumatic equipment is supported with electric automation sections equipped with speed control systems and a reducer motor. Clean air is connected to the pneumatic system of the machine, providing air at 6 bar continuous pressure, which is processed by the driers. The product coming to the inlet box from within the system, sets the machine, which is precalibrated, into motion. The input and output product that enters and exits the machine during grinding process is both visually inspected on site and technically assessed in the laboratory to ensure that it is of the desired condition. Accordingly, the product input speed of the machine with respect to capacity is controlled, the roller balls are adjusted with a precise adjustment system and the system is locked once standard product flow is ensured. There will be no need to readjust the settings of the machine to grind a different product, should the need arise. As stated above, in this machine, all through the grinding stage, breaking and crushing balls (cylinders) are used with respect to the diagrams. If the input product entering the feeding box is inadequate during operation, the capacitive sensors stop the feeding system and set the breaking and crushing balls to idle position. In this position, both wearing down of the scraping brushes on the breaking balls is prevented, and on the crushing balls, the wear on ball surfaces and scraping blades is avoided. At the same time the energy consumption is reduced, because the idle motors of the machine draw less electric current.





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OUTSTANDING FEATURES

It is possible to disassemble and assemble the feeding system and the grinding system as a set.

Waste oil accumulation is avoided and the mechanical parts of the machine stay cleaner as a result of their technical specifications.

Since the balls are precisely spaced to prevent a slippage in the belts, when the machine suddenly stops while loaded and then is restarted, the belts will last longer, especially because the Polly V and other V-belts will not wear out.

Due to the newly designed technical specifications of the belt tensioner system, a longer life for the belts is ensured.

By ensuring that the oil maintains its technical specifications for a longer period due to the heat discharge filter in the bearing, the lifespan of the ball bearings are extended and maintenance is required less frequently.

Assembling and disassembling the brush and scraper systems to replace parts is now easier.

Due to the width of the inlet box and the technical changes made on the feeding balls, a more homogeneous flow on the feeding ball is ensured when distributing the product. Since a mechanical product router is mounted on the product inlet box that can continually intervene in the inlet port, the

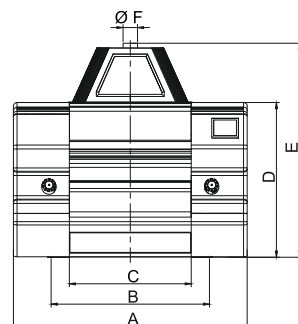
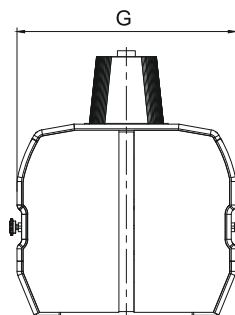
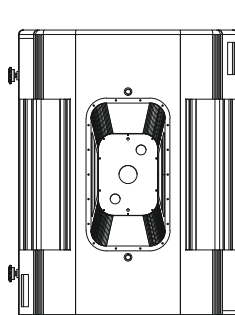
poured product is routed to the desired place and the bar sensors perform more efficiently.

Technology packages are available, within which a central lubricating system belt control sensor, a bearing heat control sensor, a vibration sensor, and a choke sensor in the bottom exit bunker cylinder can be added. In addition to the sensors showing on and off positions on the roller ball movement cylinders, there are also sensors showing feeding and ball rates.

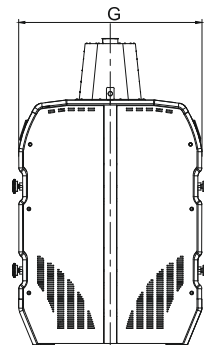
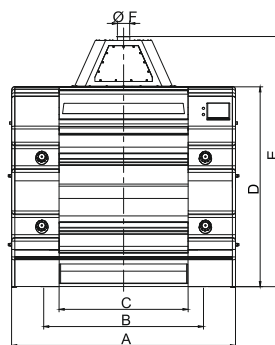
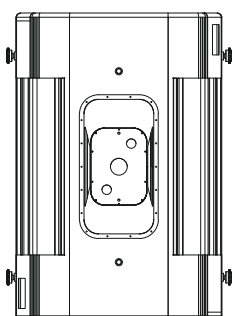


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MODEL	DIMENSIONS mm.							WEIGHT kg.
	A	B	C	D	E	Ø F	G	
SRM 250 / 1000	1930	1306	1006	1276	1766	Ø120	1461	3150
SRM 250 / 1250	2180	1556	1256	1276	1766	Ø120	1461	3470
SRM 250 / 1500	2430	1806	1506	1276	1766	Ø120	1461	4100
SRM 300 / 1000	1930	1306	1006	1320	1810	Ø120	1610	4450
SRM 300 / 1250	2180	1556	1256	1320	1810	Ø120	1610	4750



MODEL	DIMENSIONS mm.							WEIGHT kg.
	A	B	C	D	E	Ø F	G	
DRM 250 / 800	1730	1106	806	1946	2436	Ø120	1461	5200
DRM 250 / 1000	1930	1306	1006	1946	2436	Ø120	1461	5750
DRM 250 / 1250	2180	1556	1256	1946	2436	Ø120	1461	6550

HIGHLIGHTS

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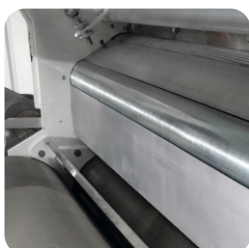
Precise Adjustment System

Extraordinary design helps the system working without any loose.



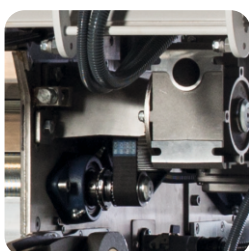
Roll Changing System

Roll set with all components can be moved out effortlessly without any disassembling and lifting up.



Safe Distance

In case of foreign material drop, roll gap can be opened up to 4mm instantly for preventing possible damage on the system.

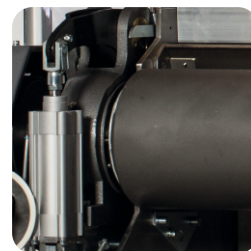


Feed System

In case of changing feed roll set, simply geared motor set does not require disassembling.

Total Sealing

There is a sealing cover and easily operated by hand isolates particles for keeping the bearing system clean.



Hygiene Secured

Internal components made of stainless materials, starting from inlet through outlet.



Single-Body Structure

Special Uni-Body steel frame designed for more strength. Innovative new design is proving better resistance under stress, comparing usual two separate bodied roller mill structures.



Bearing Lubrication

For more efficiency, innovative vent points on bearings enables to relieve heat and pressure inside. Also, lubrication point re-located for equal wear protection inside surfaces of bearing.





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