



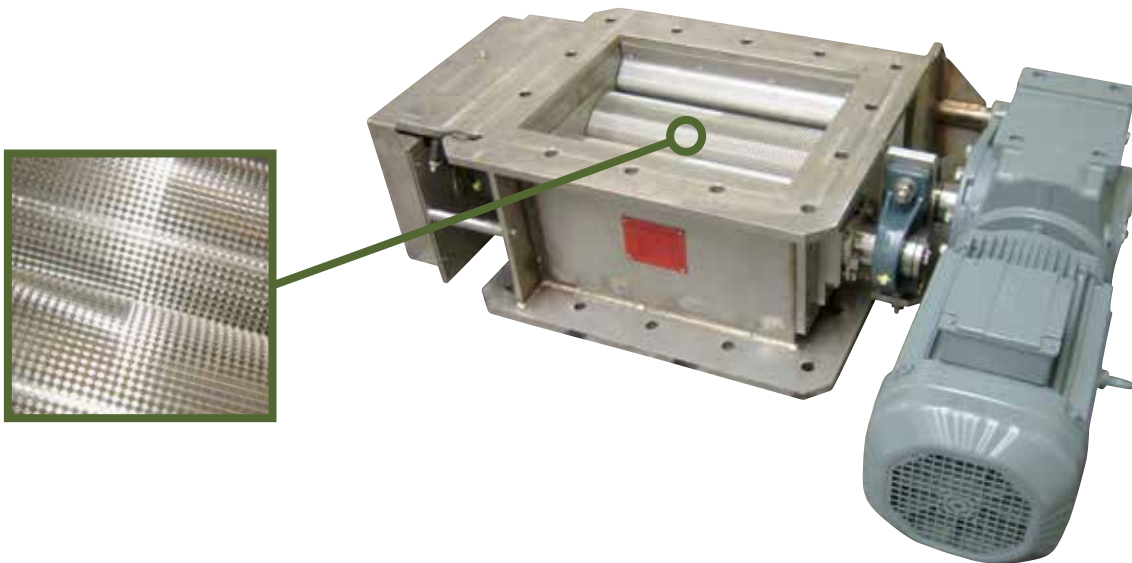
MECAROANNE

— Solutions de broyage —

Diamond-tipped roller mill TYPE TB-PD

FIELDS OF APPLICATION

- › **Any reduction in the volume of a dry, crumbly, non-clogging product**, such as iron sulphate, aluminium oxide, dried water treatment plant sludge pellets, sugar lumps, salt pellets, chlorine pellets, maize pellets, pressed dried fruit pellets, grape pips, etc.
- › **Various business sectors:** cement, animal feed, seeds and cereals, minerals and mineral-based products, oil mills, sugar and salt, etc.



HOW IT WORKS

- › Two rotors rotate in opposite directions at different speeds, equipped with double teathed rollers (known as "diamond-tipped"), which are cleaned continuously by scrapers, are used to crush the product.
- › Product must be fed at a constant rate and distributed throughout the entire working length of the grinding rollers.



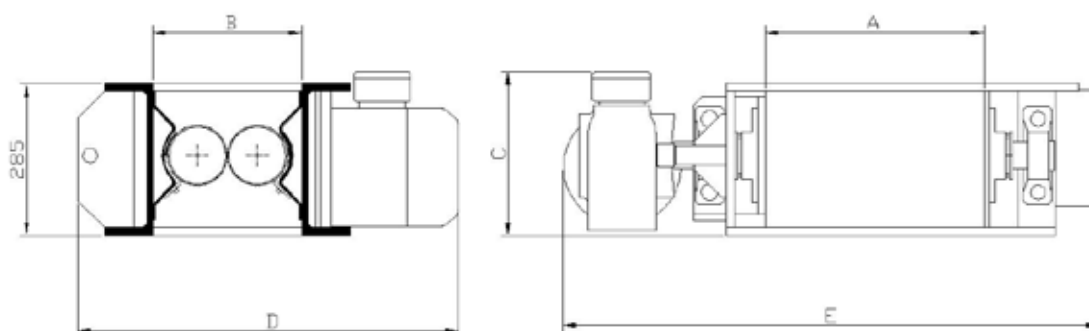
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TECHNICAL CHARACTERISTICS

Type	∅ rotors	A	B	C	D	E	Weight	Output grain size *	Installed power	Flow rate *
	mm	mm	mm	mm	mm	mm	kg	mm	kW	T/hour
R110x400TB-PD	110	400	280	310	720	1010	270	0 to 4	4	0.5 to 1
R130x400TB-PD	130	400	300	330	880	1050	350	0 to 4	5,5	1 to 1.5
R130x600TB-PD	130	600	300	330	880	1250	450	0 to 4	5,5	2 to 3

* average values for a density 1 product and for a gap of 1.5 mm, varying according to the type of processed materials and the adjustment of the gap between grinding rollers.



DESIGN

Our devices are composed of a **rigid frame** made of thick welded sheet metal, stainless steel is available as an option. The 2 rotors are mounted on bearings outside the grinding chamber, and the passages are sealed by **cable glands**. Power is transmitted between the 2 rotors by self-lubricating pinions. **The air gap between cylinders can be adjusted** at standstill by fitting shims under the bearing base and replacing a transmission pinion. As an option, an electro-mechanical **torque limiter** can be integrated to prevent the passage of an body that cannot be shredded in the product flow.

