



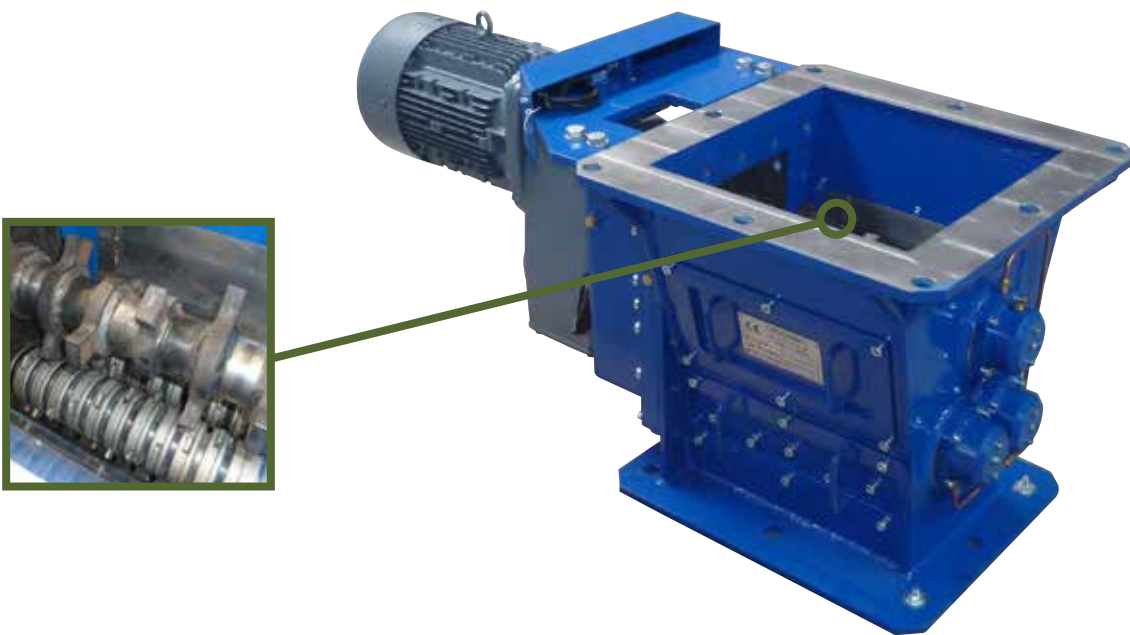
MECAROANNE

— Solutions de broyage —

Toothed roll crusher TYPE EC 100X400

FIELD OF APPLICATION

- › Mineral, chemical, pharmaceutical, nuclear industries, etc.
- › Aluminium chloride, salt, alumina, uranium oxide, molybdenum disulphide, iron sulphate, dry magnesium, phosphate and organic fertilisers, ceramic fibres, paraffin, talc, uncooked and cooked clay, sludge, waste, ashes, etc.



OPERATING PRINCIPLE

- › Two rotors rotating in reverse at slow and differential speed are equipped with disks and blades for shredding the product. They are cleaned continuously by one-piece combs.
- › A pre-crusher shaft located in the upper section performs the initial grinding of large blocks. It regulates flow and prevents "arching" when soft or clogging products are processed.



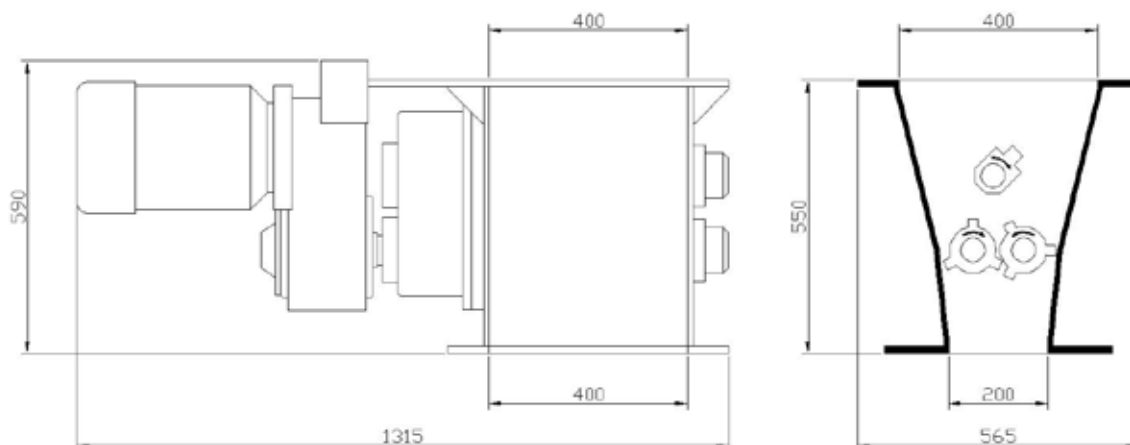
www.mecaroanne.com



TECHNICAL CHARACTERISTICS

Type	∅ rotors <i>mm</i>	Length rotors <i>mm</i>	Weight <i>kg</i>	Output grain size * <i>mm</i>	Installed power <i>kW</i>	Flow * <i>T/hour</i>
EC 100x400	100	400	390	0 to 20	4 to 7.5	1 to 3

* average values for a 1.5 density product variable according to the type of processed materials and the configuration of the grinding shafts (fine, normal or large grain size).



DESIGN

This device is composed of a **rigid frame** made of thick welded sheet metal (stainless steel optional). **Sealed and pressurised bearings** ensure optimal operation under the most demanding conditions. The reduction and transmission mechanisms are grouped on the same side of the device in a sealed oil sump. This layout allows the grinding tools to be **replaced quickly**. MECAROANNE grinding mills differ from devices with 2 rotors in that they have a **pre-crusher shaft**. This ensures a **high rate of reduction** (>10) with a smaller footprint. In addition, a simple and reliable safety system prevents mechanical breakage in the event of blockage by a foreign body.

