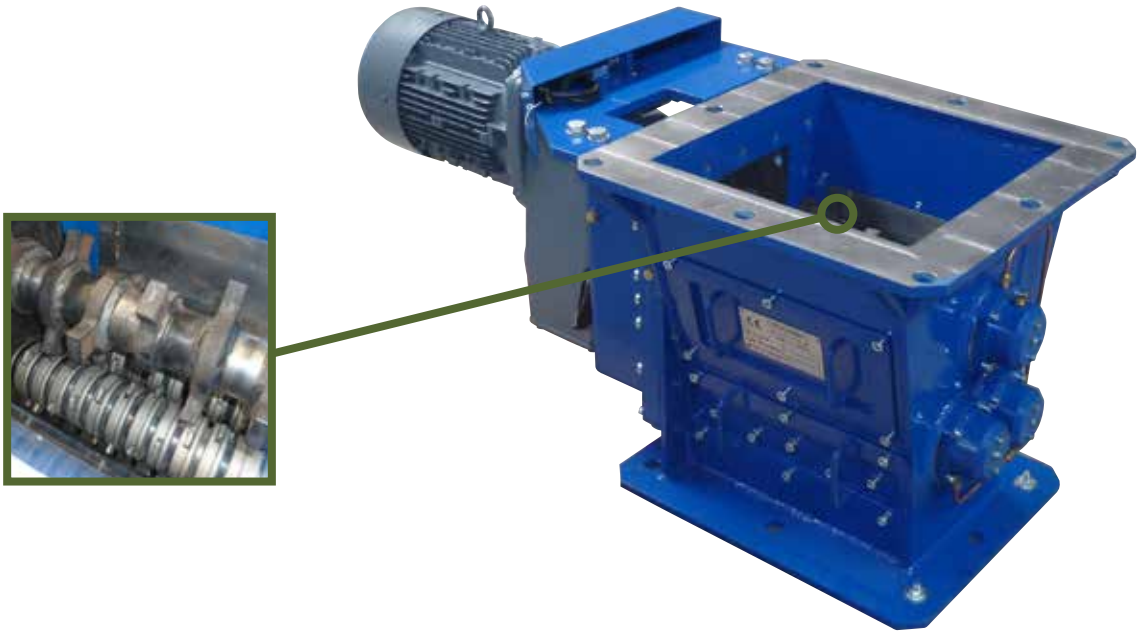
MECAROANNE
— Solutions de broyage —

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.

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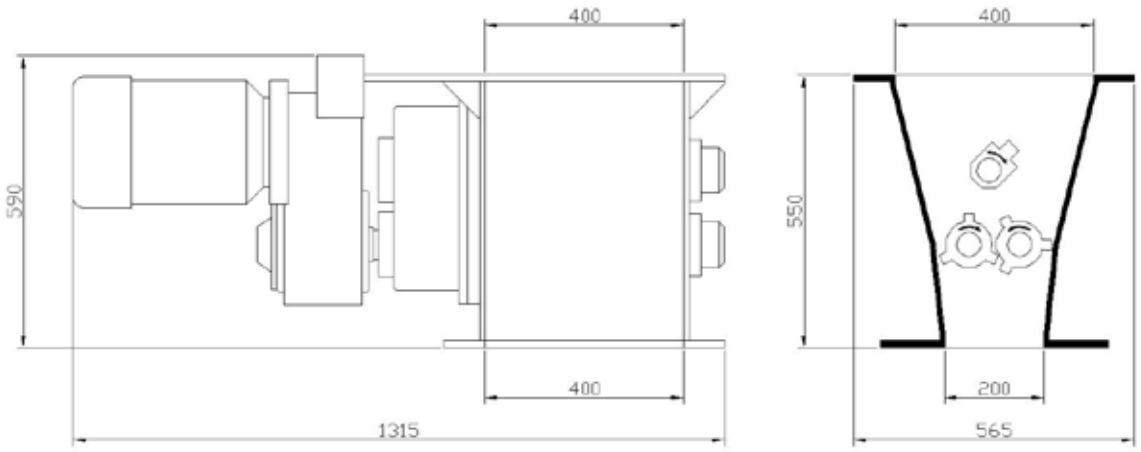
TECHNICAL CHARACTERISTICS

Type	Ø rotors *mm*	Length rotors *mm*	Weight *kg*	Output grain size * *mm*	Installed power *kW*	Flow * *T/heure*
EC 100x400	100	400	390	0 à 20	4 à 7.5	1 à 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.

7 boulevard Charles de Gaulle
42120 LE COTEAU - France
T. +33 (0)4 77 71 22 30 - info@mecaroanne.com
www.mecaroanne.com