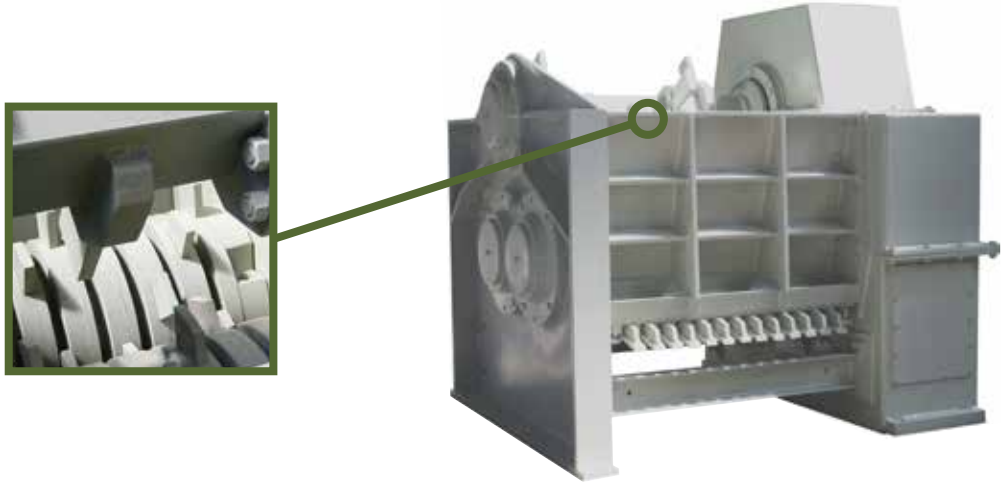
MECAROANNE
— Solutions de broyage —

Toothed roll crusher
TYPE C 200, C 300, C 400

FIELD OF APPLICATION

- **Humid, soft, clogging products** such as clays, kaolin, chalk, lime, clay soils, marls, unfired tiles and bricks, mud...
- **Hard products** (recycling or volume reduction) such as fibre cement boards, slates, plaster (mouldings, boards, tiles), stoneware or vitreous sanitary fittings, cellular concrete, fired bricks and tiles, talc, glass, clinker, coke, coal, batteries...
- **All products which are agglomerated** by nature during production and/or due to a high moisture content (fertilizer, sodium chloride in the form of blocks, chemical products in general)...



OPERATING PRINCIPLE

- Two rotors turning in opposite directions at slow and differential speed, are fitted with disks and blades designed to shred the product : they are constantly cleaned by scrapers which can be individually adjusted.
- Large blocks undergo initial milling by a pre-crusher shaft located in the upper section. This regulates the flow and avoids the formation of « arching » with soft or clogging products.

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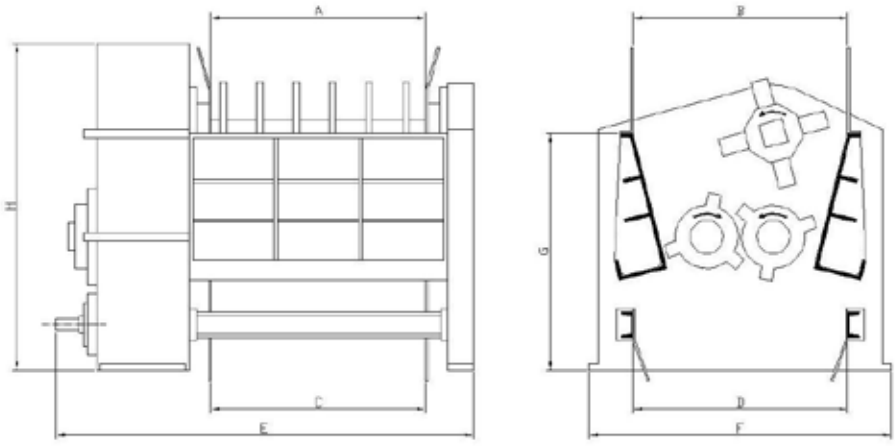
TECHNICAL CHARACTERISTICS

Type	Ø rotors	A	B	C	D	E	F	G	H	Weight	Output particle size *	Installed power	Capacity*
	mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm*	*kW*	*T/hour*
C 200x400	200	400	660	400	650	1115	920	720	1020	1250	0 to 20	7.5	6
C 200x600	200	600	660	600	650	1315	920	720	1020	1450	0 to 20	11	10
C 200x800	200	800	660	800	650	1515	920	720	1020	1650	0 to 20	15	15
C 300x800	300	800	1000	800	1000	1745	1410	1000	1550	4100	0 to 40	22	30
C 300x1000	300	1000	1000	1000	1000	1945	1410	1000	1550	4450	0 to 40	30	45
C 300x1200	300	1200	1000	1200	1000	2145	1410	1000	1550	4800	0 to 40	37	60
C 400x1200	400	1200	1360	1200	1360	2535	1770	1485	1975	9000	0 to 60	55	120
C 400x1500	400	1500	1360	1500	1360	2835	1770	1485	1975	10000	0 to 80	75	160

** mean values for a product of density 1.5, varying according to the type of materials treated and the configuration of the grinding shafts (fine, normal or large particle size).*



DESIGN

Our devices have a very thick rigid frame made of welded sheet metal (stainless steel on option). 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 without having to completely dismantle the device. MECAROANNE grinder mills differ from devices with two rotors in that they have a pre-crusher shaft. This ensures a high rate of reduction (>10) with a smaller footprint. Moreover, a simple and reliable safety system avoids any mechanical breakage in the event of blockage by a foreign body.

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