



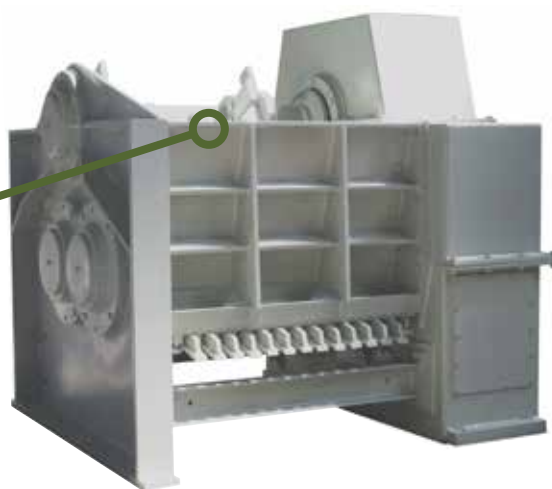
# MECAROANNE

— 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.



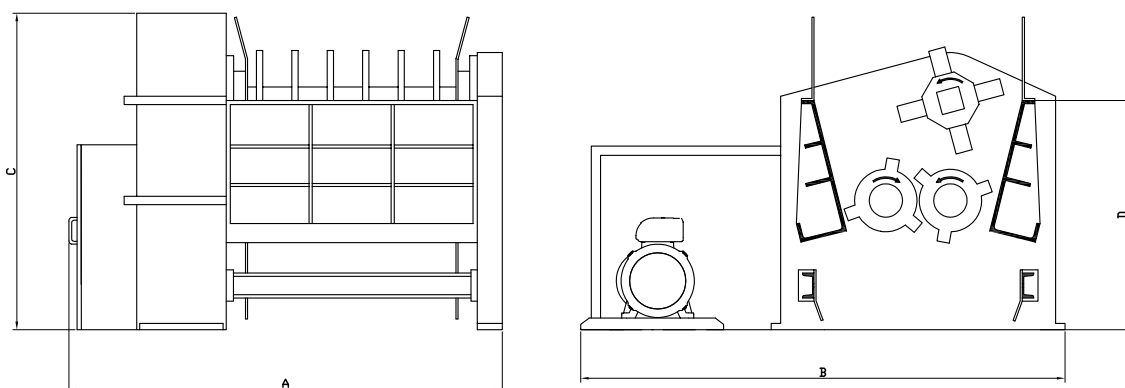
[www.mecaroanne.com](http://www.mecaroanne.com)



### TECHNICAL CHARACTERISTICS

Type	Ø rotors mm	Input section mm	Output section mm	A mm	B mm	C mm	D mm	Weight kg	Output particle size * mm	Installed power kW	Capacity* T/heure
C 200x400	200	400x 660	400x 650	1200	1600	1020	720	1250	0 à 20	7.5	6
C 200x600	200	600x 660	600x 650	1400	1600	1020	720	1450	0 à 20	11	10
C 200x800	200	800x 660	800x 650	1600	1600	1020	720	1650	0 à 20	15	15
C 300x800	300	800x 1000	800x 1000	1800	2300	1550	1100	4100	0 à 40	22	30
C 300x1000	300	1000x 1000	1000x 1000	2000	2300	1550	1100	4450	0 à 40	30	45
C 300x1200	300	1200x 1000	1200x 1000	2200	2300	1550	1100	4800	0 à 40	37	60
C 400x1200	400	1200x 1360	1200x 1360	2600	2900	1975	1485	9000	0 à 60	55	120
C 400x1500	400	1500x 1360	1500x 1360	2900	2900	1975	1485	10000	0 à 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.

