



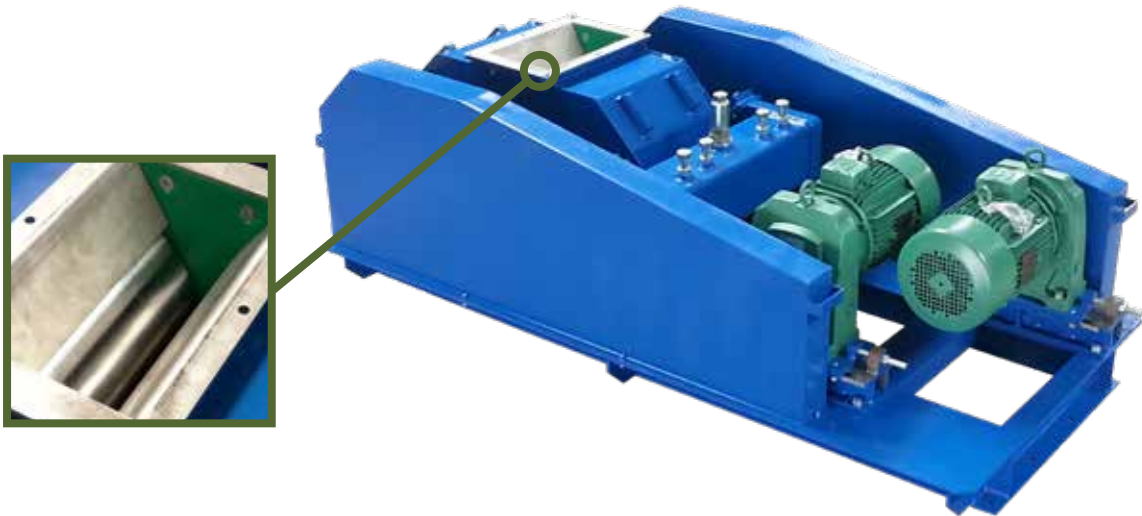
MECAROANNE

— Solutions de broyage —

Smooth roll crusher TYPE BCL

FIELD OF APPLICATION

- › **Any reduction in the volume of a non-clogging, dry, friable or hard product**, such as clay granules, fertiliser pellets, limestone pellets, nuts, granulated powdered sugar, grains of salt, calcined silica granules, cereal flour granules, ceramic beads, dried corn, etc.
- › **Any application for the purpose of crushing to separate**, such as plaster and cardboard for plasterboard, sugar and paper for sugar cubes, the stems of some plants for use of the fibre, etc.



OPERATING PRINCIPLE

- › Two rotors rotating in reverse, equipped with smooth rolls used to crush the product; these are cleaned continuously by scrapers.
- › One of the 2 rolls is mounted on a pivot, making it possible to adjust the gap between rolls or to move back during operation if a hard body is being processed.
- › Product must be fed at a constant rate and distributed throughout the entire working length of the grinding rolls.



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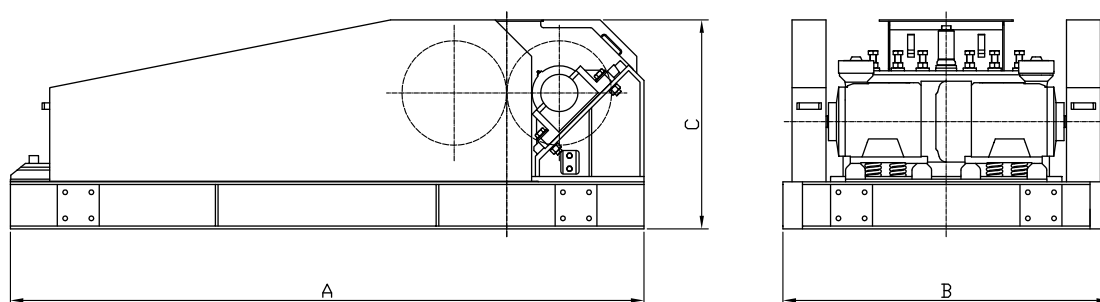


TECHNICAL CHARACTERISTICS

Type	∅ rotors <i>mm</i>	Length <i>mm</i>	A <i>mm</i>	B <i>mm</i>	C <i>mm</i>	Input section <i>mm</i>	Output section <i>mm</i>	Weight <i>kg</i>	Output grain size * <i>mm</i>	Installed power <i>kW</i>	Flow * <i>T/hour</i>
BCL 200x200**	200	200	780	580	1070	120x200	350x220	400	0 to 4	2 x 1.1	1 to 2
BCL 300x300	300	300	1850	900	600	180x300	500x320	850	0 to 4	2 x 4	2 to 4
BCL 400x400	400	400	2450	1250	800	200x400	680x430	1950	0 to 4	2 x 7.5	3.5 to 5.5
BCL 400x600	400	600	2450	1450	800	200x600	680x630	2450	0 to 4	2 x 9	5 to 7
BCL 500x600	500	600	3100	1650	1000	250x600	880x630	3500	0 to 4	2 x 15	6.5 to 8.5
BCL 500x800	500	800	3100	1850	1000	250x800	880x850	4100	0 to 4	2 x 22	8 to 10

* average values for a density 1 product and for a gap of 2 mm, varying according to the type of processed materials and the adjustment of the gap between grinding rolls.

** different design model, with motorisation positioned under the grinding rolls for laboratory configuration.



DESIGN

Our devices are composed of a rigid frame made of thick welded sheet metal. The simplicity of its design allows quick disassembly and **quick replacement** of parts subject to wear. Each of the two grinding rotors is guided by two **bearings removed** from the grinding chamber and controlled by their own motorisation. These latter are connected to their respective rotors by a pair of belt pulleys, protected with a safety casing. This type of technology makes it possible to achieve a **maximum reduction rate of 3**. It is mainly used to calibrate a product while limiting fines.

