

PLAMIXER PLANETARY MIXER



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PLAMIXER PL & PLD



The PLAMIXER planetary mixers are designed to work with high and medium viscosity products and are especially recommended to mixing materials that are difficult to process, such as mixtures with a high solids content in very small dispersion vehicles and difficult to blend.

Its field of application is very extensive, being particularly useful for preparing silicone putties, sealants, adhesives, ceramic pastes, as well as for the manufacture of toothpastes, ointments or creams.

The main characteristic of this equipment is its combined agitation system, consisting of a planetary mechanism. This mechanism is composed of a gearbox with a rotating movement, powered by a drive unit with adjustable speed.



with you, step by step



Detail of the blades

The planetary gearbox has two or three sets of mixing blades (depending on the model) that move in a circular motion through the planetary gearbox and simultaneously rotate around themselves.

On the side, it has a scraper blade that guides the product towards the mixing area and prevents product accumulation on the walls. The combination of both elements enables a perfect kneading of the whole product.



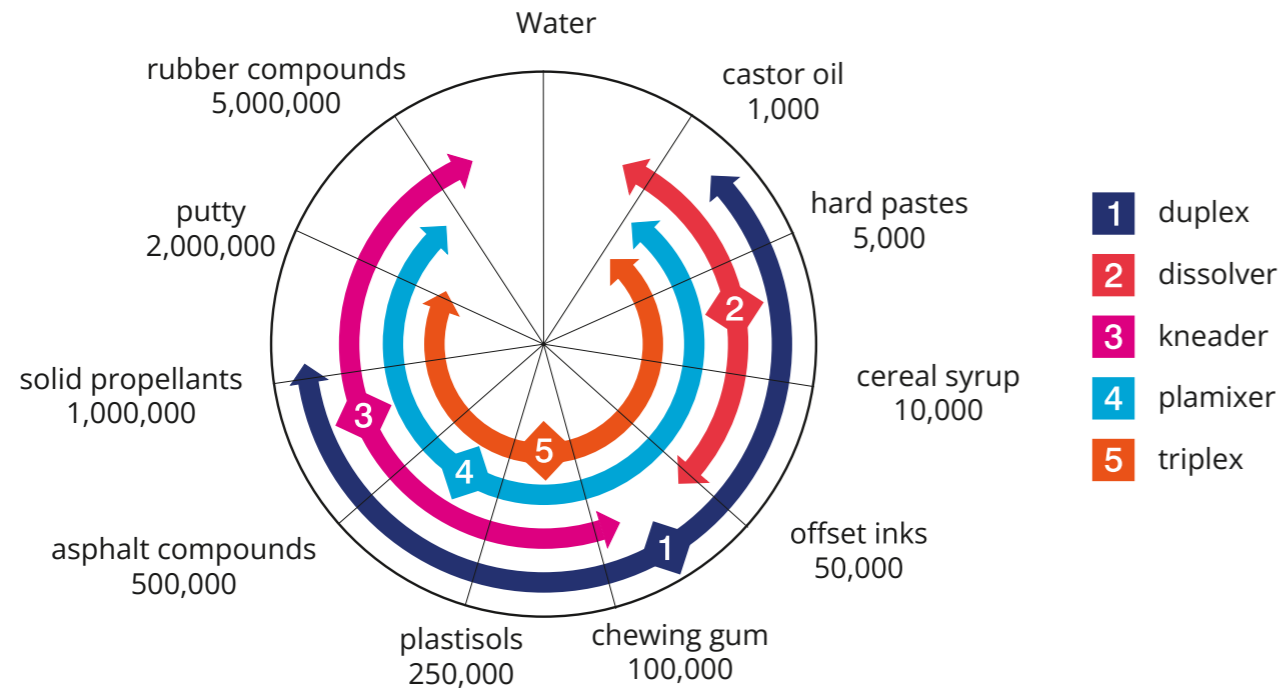
The models ranging from 30 L to 700 L are assembled with a single lifting column for the head, while those from 700 L to 3,000 L, due to their size, are built with a very robust construction consisting of two lifting columns.



The cover head is of the bell type and is equipped with a sealing gasket for vacuum operation. Additionally, the cover includes:

- » Loading inlet with hermetically sealed hinged lid and safety grid.
- » Light point.
- » Glass peephole.

VISCOSITIES IN CENTIPOISES



MAIN ADVANTAGES

- » It is suitable for a wide range of viscosities.
- » In order to expand its range of application, two models are manufactured: PL and the PLD, equipped with a central disperser disk, cowles type, of high speed that intensifies the mixing.
- » The mixing group is installed on a mobile head, with a hydraulic lifting and lowering system, enabling an easy and quick change of the production tank.
- » In cases where high shearing produces harmful heat for the product, manufacturing tanks with double cooling chambers can be supplied.
- » The process vessels are mobile, allowing them to be easily interchangeable.
- » Laboratory versions are available.



PLD-15 Laboratory PLAMIXER made entirely of stainless steel

Technical data

Model	Volume		Power (kW)	
	Useful	Total	Planetary	Disperser
PL-8 PLD-8	5	7.8	0.75	0.75
PL-15 PLD-15	10	14	2.2	2.2
PL-30 PLD-30	22	31	3	4
PL-50 PLD-50	41	55	4	5.5
PL-100 PLD-100	73	98	5.5	7.5
PL-200 PLD-200	150	200	9	11
PL-350 PLD-350	265	350	15	18
PL-500 PLD-500	380	510	22	30
PL-700 PLD-700	530	700	37	45
PL-1000 PLD-1000	750	1,000	45	55
PL-1250 PLD-1250	950	1,260	45	55
PL-1500 PLD-1500	1,125	1,500	55	75
PL-2000 PLD-2000	1,500	2,000	75	90
PL-3000 PLD-3000	2,250	3,000	90	110