

TRLL rotary screener

general features

The TRLL rotary screener is designed and built according to GMP standards, to grind, sieve, and uniform all kinds of homogeneous powdery products in a quick and clean manner.

The screening chamber is composed of a rotor that rotates the cartridge-shaped sieve and a breaker ring, in a fixed position, equipped with three paddles and of variable diameter depending on the type of sieve installed.

The TRLL screener allows the installation of two different types of sieves: the most common one is made of perforated plate, but it can also be fitted with grooved plate. On request, it is possible to install sieves with other configuration, suitable for the product and process.

The replacement of these sieves is extremely simple and the total cleaning of the screen is done quickly. By selecting the appropriate sieves, the desired results are obtained with a minimum of accessories.

In order to force the product to pass through more quickly and also to break up lumps, the sifter machine incorporates a fixed-housing breaker between the hopper and the sieve, designed according to the type of sieve selected. The breaker profiles have an initial clearance suitable for most products.

For certain materials, it is possible to incorporate an additional breaker in the centre of the screening chamber, with the length and number of hammers to be determined as needed.



TRLL screening machine operation

This equipment is available in mobile or fixed versions. Additionally, its loading and unloading systems can be configured according to process requirements, being possible to incorporate hoppers for gravity feeding and extraction, connection pipes to drums and/or vacuum conveying systems.

Thanks to their easily dismountable design, this equipment is suitable for use in the pharmaceutical and food industries.

Technical data

Model	Power kW	Speed rpm		Production* Kg/h	Dimensions mm	
		Fixed	Variable		Ø	Length
TRLL-80	0.55	3,000	500 - 3,000	20 - 100	80	110
TRLL-120	2.2 / 3	1,500	300 - 2,000	100 - 200	120	185
TRLL-160	3	1,500	300 - 2,000	150 - 350	160	180
TRLL-200	4 / 5.5	1,500	300 - 2,000	200 - 400	200	185

* Approximate production depending on the characteristics of the product.



TRLL-120 screener, with discharging hopper prepared for connection to pneumatic conveying.