Pla.to
Technology

High Spin Dryers for Excellent Performance on Thin Film.

Mechanical drying is required to dewater washed plastics. An efficient drying can only be achieved through the application of tremendous force. Most dryers available on the machinery market operate at a low rotor speed, resulting in poor drying performance. To manage the high spin rate, precisely balanced rotors are required. The design of these rotors is crucial.

High Spin Acceleration, Massive Airflow and Screen Auto-Clean

Pla.to offers a unique jacket rotor design which allows high spin rotation. The acceleration of the rotor plates spin the plastic at a maximum speed. Clumps of film are quickly loosened into single flakes.

An integrated blower sucks the material into the machine and forces it out of the machine. This process prevents jams and increases the performance.

The dryer is able to spin off residual contamination that was not removed during upstream processing, such as residual fibres from decomposed paper.

A continuously rotating scraper automatically cleans the screen and housing of the dryer.

This cleaning feature is essential to move any contamination out of the machine.

Polygonal screen baskets increase the drying and cleaning efficiency of the machine. The screens and screen holders are made of stainless steel to ensure a rust-free product.

	SD75-70	SD90-90	SD132-130	SD200-140
Performance rigid flake [kg/h]	700–1000	2000–2500	4000–5000	5000–7000
Performance film > 20µm [kg/h]	150–400	500–700	700–1200	1200 - 1800
Main motor [kW]	45–75	75–90	110–132	160 - 200
Scraper drive [kW]	0.55	0.55	0.75	0.75

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04/2018