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ProPApp New PTFE Production Process for High Value Applications MIXING STATION

The area is composed by:

Sieve and weighing

To start the process of preform preparation, it's necessary to sieve the desired PTFE powder with a precise mesh measuring out the quantity in relation to lubricant, normally 20 parts (kg) of Isopar on 100 parts (kg) of PTFE.

The sieve is mounted under the weighing and, thanks to its vibrating element, allows the falling of the powders – perfectly sieved – into the basket on the weighing until the desired quantity. Then it's possible to add the Isopar and pass to the mixer.



Mixer

The mixer is a rotating and pivoting device to ensure the perfect distribution of the Isopar around the PTFE dust grains, previously sieved. The container in which the powder and Isopar are mixed (for a maximum weight of 10kg) will be placed on the structure and activating the mixing process that takes about 6-8 minutes at a peripheral speed max 25 mt / min.

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