



PinMILL integrated solutions

Pin Milling technology is a well known mechanical milling method to achieve fine grinding of dry powders starting from a raw material of 1-10mm below to 70µm.

FPS PINMILL is designed to reduce agglomerates of pharmaceutical, chemical and food products. The system includes hygienic design mill housing with interchangeable rotor and stator pins. The size reduction of the product is considered function of the following parameters:

- the product being processed, with its chemical and physical properties;
- the rotating speed;
- the product feed rate into the milling chamber, that defines the quantity of product inside the milling chamber;
- the process temperature.

FPS can provide single or integrated solution suitable for laboratory, pilot and production request.

The system can be executed with different option such as:

- cryogenic manifold for controlled temperature milling;
- ATEX version of the equipment;
- charging by pneumatic transport systems;
- packing off stations with weighting control;
- integration in barrier isolator systems.

TECHNICAL DATA

Size available: PINMILL-100 and PINMILL-200.

Milling head completed with pin rotor and stator, operating speed up to 100m/s.

Motor with inverter for the regulation of the rotating speed.

Tightness Seal for the crankshaft.

Safety device on the closing of the milling head.

Tri-clamp connection on the upper part of the mill in order to allow the connection with a dosing system.

Material

Product contact parts: AISI316L

Gaskets

Silicone, EPDM, PTFE

Roughness*

Ra < 0,80µm for product contact parts

Ra < 1,2µm for external surfaces

* different roughness levels available upon request

Headquarters

F.P.S. Food and Pharma Systems S.r.l.

Via Vandelli,20 - 22100 Como (CO) - Italy

Tel. +39 031 543429 - Fax +39 031 540885

info@foodpharmasystems.com

Production and Test Facilities

F.P.S. Food and Pharma Systems S.r.l.

Via Romagnoli, 3 - 29017 Fiorenzuola d'Arda (PC) - Italy

Tel. +39 0523 984930 - Fax +39 0523 240218

Micronization systems | Containment systems