

PELLETIZING SYSTEMS >

> PHARMA



SPHERO[®] PFS

Melt pelletizer for spherical particles

 **AUTOMATIK**

The pelletizing system, thanks to its enclosed design, is ideal for pelletizing carrier/agent combinations in hot-melt extrusion processes and was developed specifically for the manufacture of pharmaceutical products.

Benefits:

- Enclosed system (containment)
- Narrow distribution of particle size
- Homogeneous pellet shape featuring great flowability
- Quick and easy to clean
- Low-dust pelletizing
- Pelletizing of brittle formulations
- Special design for pelletizing sticky products
- Simplified, quicker development of innovative pharmaceutical formulation

SIMPLY BETTER PELLETS.

SPHERO® PFS

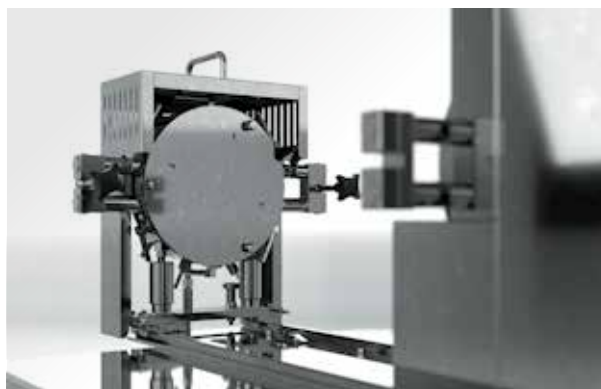
Melt pelletizer for spherical particles

Application: Wet extrusion process

- Pelletizing of water-soluble carrier/active ingredient combination
- Micro-pellets for tamper-resistant and abuse-deterrent formulation
- Production of MUPS (Multiple Unit Pellet System) tablets
- Continuous operation or batch production
- Highly potent active pharmaceutical ingredients
- For pelletizing from an extruder or reactor vessel

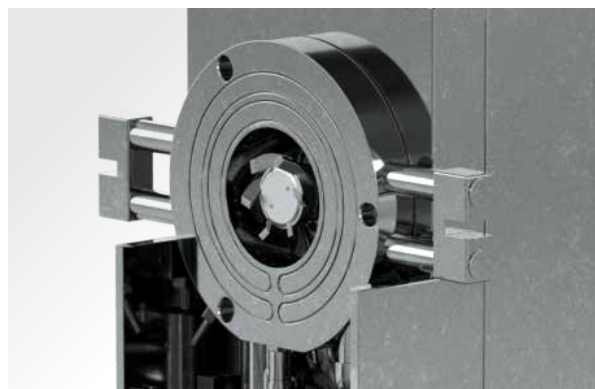
Technical Data	SPHERO® 70
No. of holes:	1-12
Throughput:	0.3-20 kg/h
Pellet size:	0.5-5 mm
Number of blades:	2-9

Suitable Pump	extrex® 20 to 36 GP
Differential Pressure Δp :	max. 250 bar
Temperature range:	30° to 200°C



Die-plate

- Composed of support ring and exchangeable plate
- Standard material: tungsten carbide (other options available upon request)
- Product temperature sensor integrated



Cutting chamber

- Product wetted components easily exchangeable
- Integrated cooling duct (water flow)
- Cutting chamber interlock
- Temperature sensor for process air
- Few and easily exchangeable sealings
- Air pressure sensor integrated into the chamber outlet
- Easy dismantling and cleaning

