

Disk Pelletizer

Production of uniform pellets from
powders, fine granular or molten materials



EIRICH Disk Pelletizer

EIRICH disk pelletizers are used for the production of uniform pellets from powders, fine granular or molten materials.

They can provide specific product characteristics e.g. narrow pellet size range, high or low bulk density, etc.

The variety of adjustment and design features permits processing of materials with difficult pelletizing properties.

Function

- The rotating pan is mounted on a tilting frame. Material is constantly fed from above through an infeed pipe
- Pelletizing liquid is sprayed through adjustable nozzles mounted on the pan cover
- Pellets are formed by the rolling motion of material in the pan and the liquid sprays
- Pellet size is determined by pan inclination, amount of liquid and other parameters
- The rolling motion causes the larger pellets to rise to the surface where they are continuously discharged over the pan rim into a discharge chute

Features

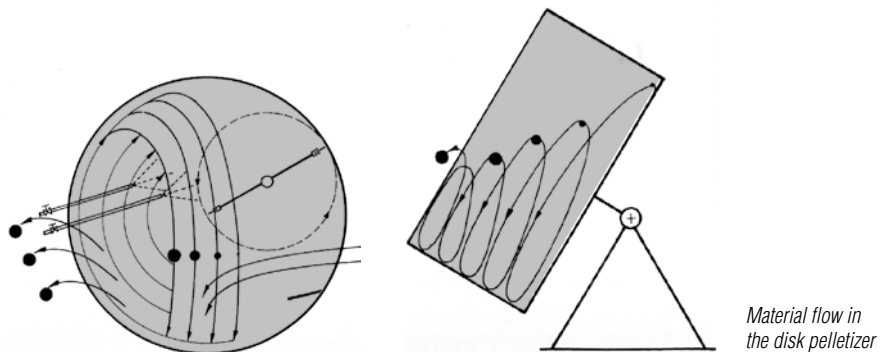
- Pan inclination can be fixed over a wide range to achieve the optimum result
- Pan discharge position allows complete pan discharge
- Pan floor constantly cleaned by rotating scrapers
- Manually or motor-driven pan tilting mechanism
- Pan with dust hood and extraction connections

Advantages

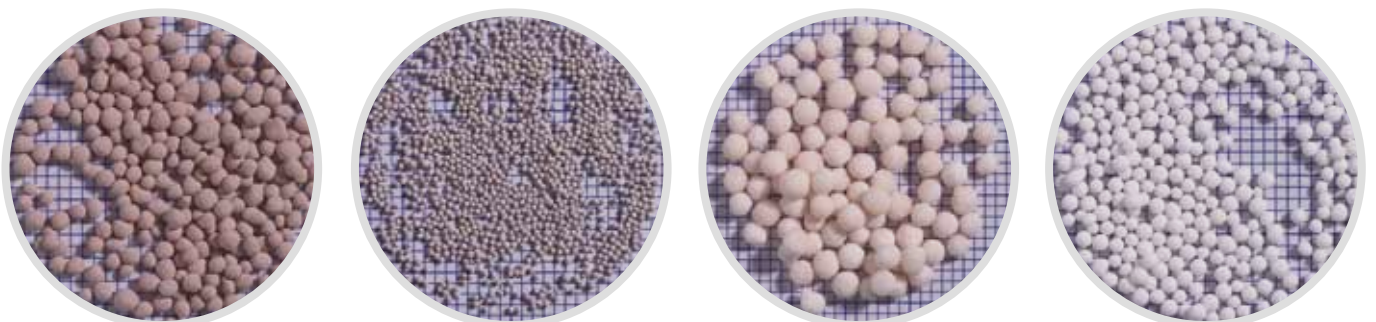
- Wall and rim scrapers with tungsten carbide platelets for a long service life
- Permanently greased pan bearings
- Easy maintenance

Options

- Pan available with different wall height
- Available with infinitely variable pan speed
- Special materials of construction available



Examples of pellets





*Disk pelletizers
Type TR45*

Technical data for your planning

Type	TR04	TR10	TR14	TR22	TR29	TR36	TR45	
Pan diameter A (mm)	400	1000	1400	2200	2900	3600	4500	
Pan height B (mm)	100	280 / 500	400 / 700	600 / 925	800 / 1000	800 / 1100	800 / 1100	
Other dimensions as per illustration	C	750	2000	2400	3100	3750	4300	5200
	D	-	The height of the hopper is variable according to the mounting situation					
	E	450	1000	1000	1500	1850	2000	2200
	F	400	760	1040	1640	2100	2470	2750
	G	-	480	650	1000	1350	1500	2050
	H	-	325	430	640	915	1100	1260
Pan drive kW	0,75	1,1-2,2	4-7,5	11-18,5	1x22-2x22	2x18,5-2x22	2x22-3x22	
Swivel drive kW	-	0,37-1,1	0,55-1,5	1,1-3,0	1,1-4,0	1,1	1,1	
Rotor drive kW	-	0,75	1,1	2,2	3	4	4	
Angle of inclination against horizontal	40°- 95°	30°- 92°	50°-92°	50°- 92°	50°- 92°	50°- 92°	50°- 92°	
Machine weight approx. kg	37,5	600	1700	3700	7000	10000	14000	

Throughput depending on product characteristics and required grain size range.

