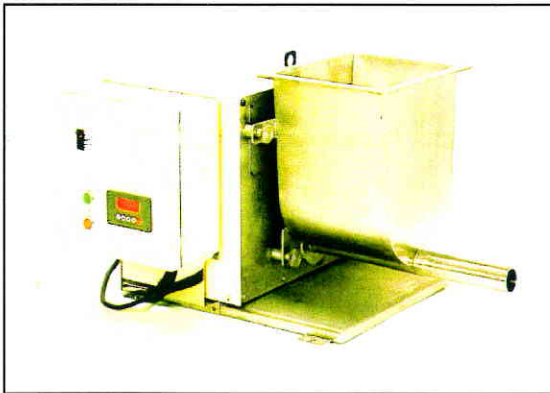


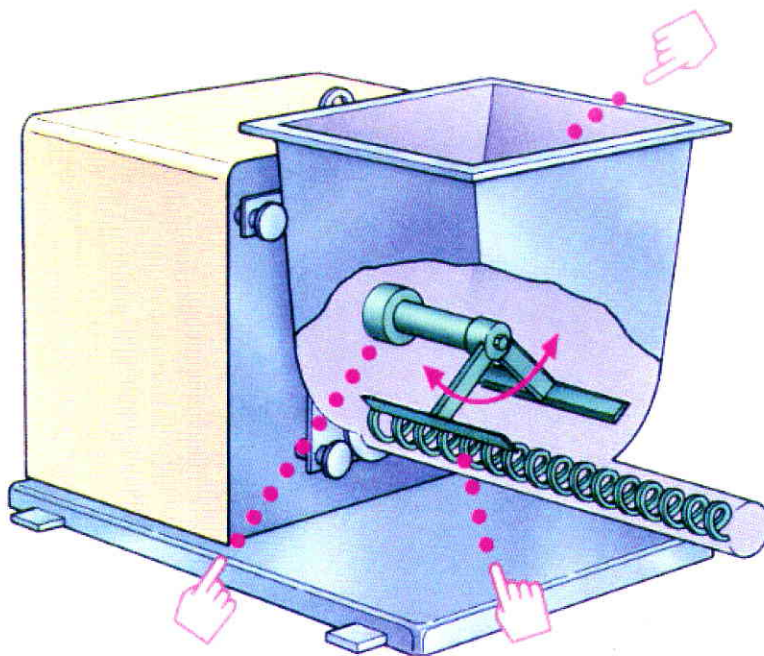


HOSOKAWA MICRON CORPORATION Finetron Screw Feeder FT Type

Highly Accurate Powder Feeder



- Very stable and high accurate feeding is possible.
- Can be applied to very sticky materials or very light materials which are difficult for the conventional feeders.
- Easy disassembling of the hopper, agitator, and screws.
- With the combination of weighing scale, can offer even higher accuracy by loss-in-weight method.
- Wide selection of models, from micro feeding to large capacity.
- Remote operation is possible.
- Integrated control box



HOPPER

Hopper can be easily removed by unfastening 4 knob bolts. Cleaning is very easy!

AGITATOR

It swings left and right, preventing bridges in the hopper and stabilize powder characteristics, and fill the powder uniformly to the screw part

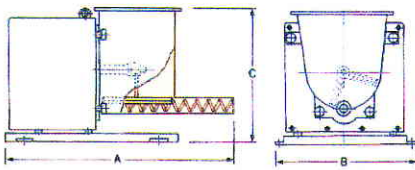
SCREW

As the screw rotates, it also make micro-vibration. This action decrease the coefficient of fraction, offering high feeding accuracy, and smooth feeding of stick materials.



HOSOKAWA MICRON CORPORATION

SPECIFICATION



Powder Contact material : SS304
 Screw Speed : 20-120rpm via inverter
 Screw Vibration : 30Hz
 Screw vibration amplitude: 1.5mm
 Agitator swing speed : 1/6.7 of screw rpm
 Agitator swing angle: 56 deg.
 Motors: Screw/agitator – 0.4kW
 Vibration – 40W

Model	FT-10	FT-15	FT-20	FT-25	FT-40	FT-50	FT-75	FT-100
Screw dia. [mm]	10.0	13.0	19.1	25.4	38.1	50.8	76.2	101.6
Est.Feed Capacity [L/h]	0.6-3.6	1.3-7.7	4-24	11-66	43-260	110-660	360-2170	960-5750
Dimensions	A[mm]	636	636	636	796	796	896	1046
	B[mm]	484	484	484	484	484	484	484
	C[mm]	505	505	505	505	505	505	505

PERFORMANCE

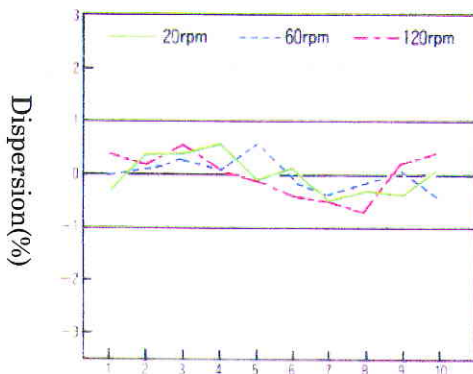
Capacity and Stability

Material	Ave.size [μ m]	Bulk density loose/packed [g/cc]	Capacity range [kg/h], at Screw Speed 20-120rpm	$\delta / X_{av} \times 100$ [%]	$3\delta / X_{av} \times 100$ [%]
Calcium carbonate	5.0	0.52/0.99	38-143	0.28	0.84
Talc	45	0.59/1.13	53-210	0.23	0.68
Titanium Dioxides	0.5	0.68/1.03	26-112	0.97	2.92
Cement	19	0.94/1.62	75-328	0.23	0.68

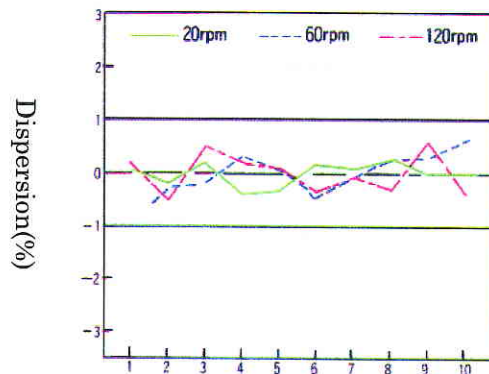
Feeding Dispersion

Make sampling (one min/one time) 10 times and check their average value and dispersion

Calcium Carbonate



Cement



HOSOKAWA MICRON CORPORATION

Hosokawa Micron Corporation is a member of the Hosokawa Micron Group, responding to global needs through emphasis on materials equipment and systems for powder processing, thermal processing, environmental protection, and plastics processing. The Group maintains facilities for research, engineering, manufacturing, and service in each of the world's industrial markets.

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