

OS130-OT70 Series Gravimetric Feeder

Description

CT System's AS130, AT70 gravimetric feeder is ideally suited for dosing powders, pellets, granulates, regrinds, fibers, and flakes in continuous and batching processes. The compact modular design gives the operator the flexibility to meet changing process requirements.

Volumetric feed rates range (AS130) 200 - 2600 l/h (AT70) 80 - 8200 l/h. The horizontal agitator constantly keeps material in motion, thus eliminating bridging and maintaining consistent screw fill. All material contact surfaces are manufactured from corrosion resistant stainless steel. CT System's gravimetric/volumetric controller offers the operator full access to all feeder parameters through an icon driven control interface

Applications

- Volumetric continuous or batch
- Gravimetric loss-in-weight continuous
- Gravimetric loss-in-weight batch
- Gravimetric gain-in-weight

Industries

Pharma

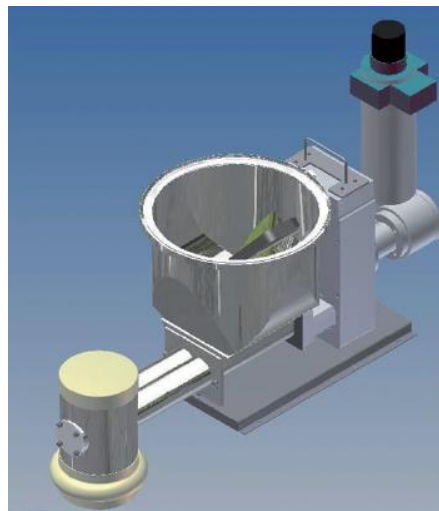
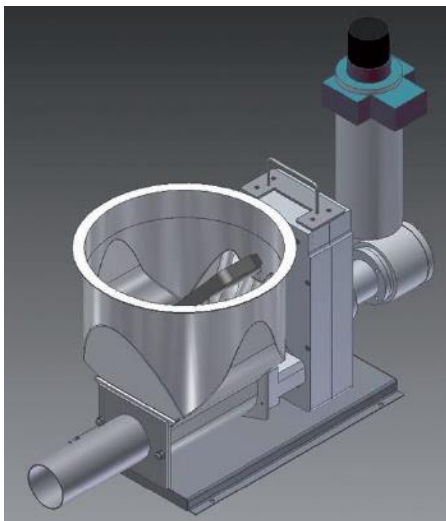
Feed

Packaging

Chemical

Lab

Agricultural






Orbetron





Design

- Compact feeder and gear box design
- Horizontal material outlet discharge
- Tool free change of the feeder screw
- All metal parts which are in material contact are in stainless steel 1.4404 (asi316L)
- Mechanical gear box with lifetime lubrication
- 370W DC motor with speed control in protection class IP 54
- Gear boxes in the sizes of 15:1/28:1
- Conforms to **CE** directives

Options



- Gravimetric and Volumetric controls
- Removable vertical outlet tube
- Counter bearing for very poor flowing or heavy materials
- Hopper extension modules available upon request
- All sealing which are in material contact in silicon free style
- 230-460V 3PN 50-60Hz AC 750W motor with frequency inverter
- Bottom outlet for material discharge on request
- FDA certification according FDA CFR 21 #178.3570
- ATEX Zone inside 3D T140°C, 2D T140°C, AS75 2D T140°C/ 2G T4, 1D T140°C/2G T4
- ATEX Zone outside 3D T140°C, 2D T140°C/2G T4 

Performance Table

Screw Type		C 		F 	
		Twin Concave Profile		Twin Auger Screw	
Gear	Speed rpm	ø 60x80 l/h	ø 55x64 l/h	ø 60x80 l/h	ø 51x50 l/h
15:1	24 - 456	294 - 5586	135 - 2572	434 - 8244	178 - 3379
28:1	13 - 244	159 - 2989	73 - 1376	235 - 4412	96 - 1808

OT70

OS130

Screw Type		F 			S 
		Full Fight			Spira
Gear	Speed	ø 80x80 min ⁻¹	ø 100x100 l/h	ø 120x120 l/h	ø 80x80 l/h
15:1	24 - 456	365 - 6931	864 - 16416	1375 - 26129	604 - 11473
28:1	13 - 244	198 - 3709	468 - 8754	745 - 13981	327 - 6139
Gear	Speed min ⁻¹	ø 80x80 l/h	ø 100x120 l/h		
15:1	24 - 456	482 - 9186	948 - 18012		
28:1	13 - 244	261 - 4904	514 - 9638		