

PELLETIZING SYSTEMS ›

› STRAND PELLETIZING



Strand and Pultrusion Pelletizer S3500

Strand pelletizer with real pull



The S3500 Series Strand Pelletizers have been engineered to provide easy, tool-less entry into the stainless steel cutting chamber. The "Slide" Series pelletizers have been designed to substantially reduce maintenance and cleaning time. The front section of the pelletizer is mounted on a linear slide mechanism allowing access into the cutting chamber.

Advantages

- Unique Rotor Design for Maximum throughputs
- Wide Feed Entrance
- Insulated sound hood optional
- Stainless Steel contact areas
- Tool-less entry
- Air Actuated Upper Feedroll
- Dual drive optional
- Designed per customer application

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Maintenance and cleaning of the feedrolls, doctor blade and bed knife are quick and easy. With the S 3500 Series comes a standard Stellite rotor, and an option for tool steel and carbide rotors is available. Most rotors are positioned on a 3" helix which provides a scissor-like cutting action for clean quality pellets.

S3500 Series Specifications:	S3508 (GP)	S3512 (GP)	S3516 (GP)	S3520 (GP)	S3524 (GP)	S3532 (GP)
Rotor Diameter	12" (305 mm)					
Rotor Width (Nominal)	8" (203 mm)	12" (305 mm)	16" (405 mm)	20" (510 mm)	24" (610 mm)	32" (812 mm)
Feed Width (Nominal)	8" (203 mm)	12" (305 mm)	16" (405 mm)	20" (510 mm)	24" (610 mm)	32" (812 mm)
Motor Size (AC Variable Speed)	20 HP (15 kW)	25 HP (18,5 kW)	30 HP (22 kW)	40 HP (30 kW)	50 HP (37 kW)	60 HP (45 kW)
Strand Ratings (1/8" or 3 mm Ø)	45 (20)	75 (30)	112 (40)	145 (50)	162 (60)	196 (80)
Satellite Tipped Rotor	48, 60, 72					
Dual Drive	Optional					
Wear Package (for abrasive materials)	Optional (Standard on GP)					
Solid Carbide Bolt on rotor for GP	4, 6, 8, 12					
Maximum Capacity (Lb / hr)	3,500 Lb/hr (1,590 kg/hr)	5,500 Lb/hr (2,495 kg/hr)	8,000 Lb/hr (3,630 kg/hr)	10,500 Lb/hr (4,760 kg/hr)	11,750 Lb/hr (5,330 kg/hr)	14,200 Lb/hr (6,450 kg/hr)

For easy and precise bed knife adjustment, the rotor has been eccentrically mounted allowing the rotor to be dialed into the bed knife. The lower feedroll also operates with the use of eccentrics for proper gap maintenance with the doctor blade. The solid carbide bed knife has four usable edges.

A hypalon upper feedroll and diamond-knurled lower feedroll are driven by a gear-box with a quick disconnect u-joint assembly providing uniform pulling force on the incoming strands. An offset upper feedroll directs the incoming strands into the bed knife producing quality pellets. Quick-ship machines and spare-parts deliveries and rotor sharpening service are all part of Reduction Engineering Scheer guarantee of service and manufacturing excellence. The combination of centrifugal force, airflow in reverse direction, and the pellet temperature optimized for the hygroscopic properties of the polymer raises the guarantee to achieve high pellet quality.

The Conair Style pultrusion cutter has been bench mark for cutting long fiber. Its history started in 1988 with the first installation. Over the years developments have been made to improve the cleanability, performance and maintenance. Each system is specifically designed based on the number of strands and rate of the polymers being produced. The S3000 Pultrusion Strand Pelletizer accurately pelletizes long fiber pultruded products with ease and the robust design has served the market for years.



Cutting chamber with Eight blade Pultrusion rotor.



Sliding access to the cutting chamber for easy maintenance.