

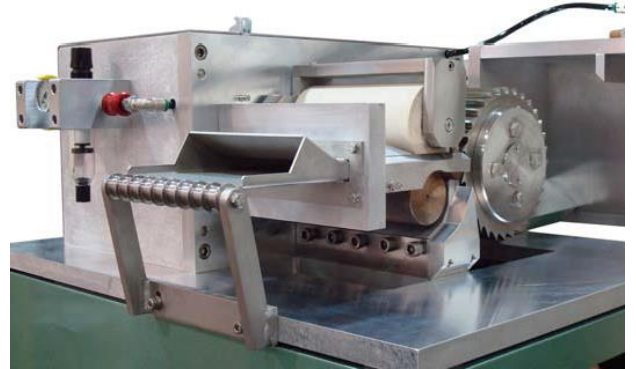


Z SERIES PELLETIZERS

Available in 100 & 200 mm
Rates from 227-1,500 kg/hr



The Z Series pelletizers are designed to be the most robust cantilever machines in the industry. BPM has made several improvements to the design, which has led to improved reliability and clean ability. One of the most important development changes we made, was to support the bed knife holder with a reinforced isolation plate. This support under the bed knife holder makes the system more durable and sturdy, thus eliminating some of the concerns that came with the old design. History has shown that after years of operation with the old design, the support bolts could stretch, making it impossible to hold tight cutting gaps. This resulted in poor cuts and possible catastrophic damage to the cutting knives.



Supported Bed Knife Holder

Key Benefits and Changes:

- **Supporting the bed knife holder** on the isolation plate, allowing for a tighter, more consistent cutting gap. The gap on the old hanging bed knives would change as more load was applied.
- Truly **Rust Free Cutting Chamber**—The competition uses tool steel components in certain material contact areas of the cutting chamber, causing contamination to the finished product.
- Improved the **Removable Feed Table Design**—The feed table is now suspended on a large diameter pin and a keyway has been added so that the Doctor blade gap can be set and held. The cutting Chamber cover applies pressure to the feed table to secure it in place.
- The diameter of the rotor Shaft has been increased to eliminate costly failures.
- The **spur change gears** have been eliminated and replaced with a quieter and maintenance free **serpentine belt** system.
- The lower feed roll is now an eccentric design so that the gap between the Doctor blade and the bed knife can be adjusted, eliminating a common contamination point.
- The Rotor Shaft (at the cutter) is now **chrome plated**, to eliminate galling. With the old design as the rotor shaft was damaged it would cause costly repair or replacement.
- **Removable Discharge Chute**—The discharge chute is now supported on tracks to aid in the removal of the chute. The operator must remove one bolt to completely clean the chute.
- Designed Built and Manufactured in the U.S for the North American market—The competition is offering a machine that is designed, and manufactured in Europe for their market. We only use parts available for immediate delivery to our North American Customers.



Removable Chute



Removable Feed Table Design



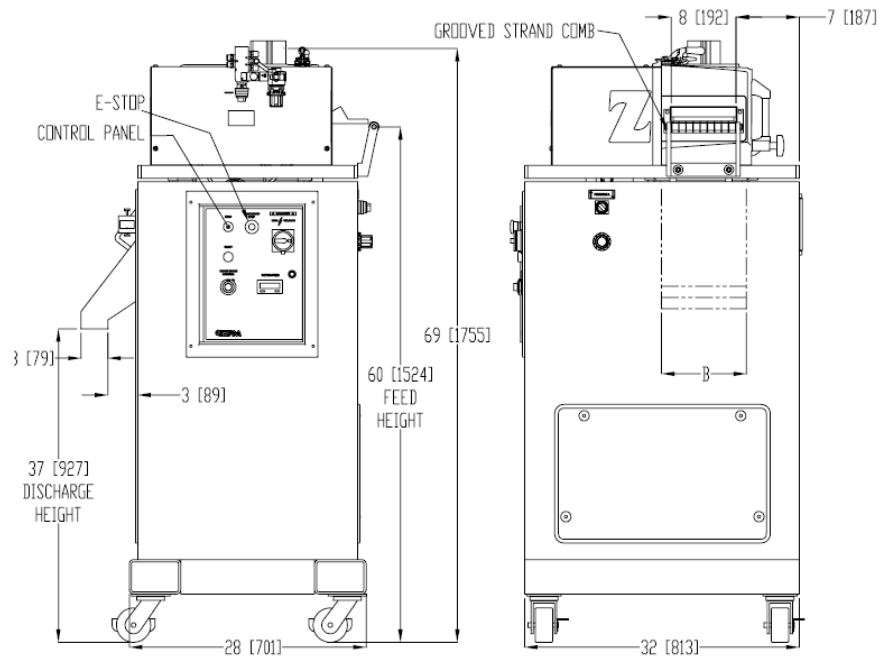
Technical Data:

Available Options:

- 32 Blade Wedge Lock Rotor
- Up to 16 Blade Bolt On Type Rotor
- Wear Package
- Available in Various Tooth Stellite Tipped Rotor
- Tool Steel Rotors
- Special Bed Knife Materials
- Dual Drive with Independent Control of Feedroll Speed and Rotor Speed
- Additional Horse Power Motors
- Special Coverings on Upper Feedroll
- Special Surfaces and Coatings on Lower Feedroll
- Custom Heights
- Custom Discharge Chute Configurations
- Work Platforms
- Water Baths
- Vacuum Strand Dryers
- Pressure Air Knives
- Flash Off Conveyor

Other Features:

- **Safety:** A safety interlock system. There are no pinch points which can be reached with the sound hood in place.
- **Clean ability:** Our robust design is extremely rugged with its slide rail system. The use of clamps makes it easy to release the pressure without having to deal with loose hand knobs which can be damaged or lost.
- **Repairable Stellite Rotors:** If the rotor tooth is damaged, bent or completely broken out we can repair a single tooth or all of them. This is possible due to the proprietary welding process developed by Bay Plastics Machinery.
- **Other Standards:** Eccentric mounted bearings for lower feedroll gap settings; four edge solid tungsten carbide bed knife; 32 tooth Stellite tipped rotor; special diamond knurled lower feedroll; Hypalon covered upper feedroll; AC variable frequency drive



The Z Series Pelletizer		Z04	Z08
Strand Rating	3mm	20	40
Std. Strand Speed	MPM	26-76	26-76
Motor Size (other sizes available upon request)	kW	3.7	7.5
Type of Drive	AC Variable Frequency Inverter		
Typical Throughput	36kg per Strand (Based on 3mm x 3mm pellets @ 76 MPM)		
Dimensions			
A (Nominal Feed Width)	mm	100	200
B (Discharge Width)	mm	127	229
Base Width	mm	812	812
Weight (estimated)	kg	658	805
Power Requirement (Based on single drive and standard motor kW)	FLA	8.5 (3.7 kW)	15 (7.5 kW)



BAY PLASTICS MACHINERY

3494 N. EUCLID AVE, BAY CITY, MI 48706
 EMAIL: sales@bayplasticsmachinery.com

PHONE: (989) 671-9630
 or visit: BAYPLASTICSMACHINERY.COM