THE CUTTING EDGE OF PELLETIZING
Company History

1961 JETRO Corp. introduced it’s first Strand Pelletizer.
1974 Conair purchases the company and the division is known as Conair JETRO.
1997 Conair centralizes all remote manufacturing facilities to Franklin, PA.
1997 Bay Plastics Machinery was formed by the son of JETRO’s founder and a core team of individuals.
1998 Joint Venture created between Germany pelletizer manufacture and Bay Plastics Machinery. The New Company is known as Scheer-Bay Company.
1999 Developed BT 25 Lab Pelletizer
2002 Developed Pultrusion Pelletizers
2004 Developed AX Series Pelletizers
2006 Developed SB Series Pelletizers
2008 Scheer declared insolvent in Germany, ending 10 year relationship
2009 Re-named Bay Plastics Machinery Corporation
2011 Celebrating 50 year of Pelletizer Manufacturing in Bay City, MI

26,000 Sq. Ft of Production Space
In Bay City Michigan

New BPM Plant 2
Office & Manufacturing Facility
PELLETIZING TECHNOLOGY

From

BAY PLASTICS MACHINERY

Pelletizing Methods

Strand Pelletizing
- Conventional
  - Lab Units
  - Med Production
  - Large Production
  - Micro Pellets
  - Long Fiber

Automated Strand Infeed
- Wet-Cut Waterslide
- Dry-Cut Waterslide
CONVENTIONAL STRAND PELLETIZER SYSTEM

Polymer Strands are manually feed into the Pelletizer

- Material cooling properties determines the length of the water bath
- Flexible for material change-overs
- Suitable for master batch, compounding, and engineering plastics.

Conventional System Layout
1. Die
2. Water Bath
3. Strand Dewatering Unit
4. Strand Pelletizer
**BT 25 - Lab Unit**

Throughput = 100 lb./hr. Up to 4 strands

- Used for lab and small production runs.
- Cost effective for all lab applications.

**Manual pressure to UFR using a spring loaded tension**

**Compressed Air - Air knife**

**Uni-Base**
Integrates the Pelletizer, Water Bath, and Air Knife on a single Base.

**BT 25 with Stand and Air Knife**

The Uni-base is great for ease of placement, but not as flexible as the two piece bath and stand configuration.
**BT 25** - Lab Unit

Throughput = 100 lb./hr Up to 4 strands

**Features of BT 25 Lab Pelletizer**

* Dual Drive Standard
* 110v single phase
* Compact Foot Print
* Large Offset Upper Feed Roll for Greater Pulling Force
* Complete Access To Cutting Chamber for Inspection and Cleaning
* Tool Less Entry to Cutting Chamber
* Easily Removable Rotor and Upper Feed Roll
* Positive Strand In feed to Cutter
* Safety Interlock
SB 100 SERIES – Lab to Light Production Unit

Throughput -800 lb./hr. UP to 15 strands

Features of the SB 100 Pelletizer

* Quick clean out - faster material changeovers

* Removable discharge chute - easy clean out.

* Tools Less entry

* Utilizing a push/pull bed knife to adjust the cutting gap

* Upper feed roll parallel to lower feed roll to ensure maximum contact across the strands.

* Large cylinder in the cover, applying pressure to upper feed roll for best pulling force.
SB 100 SERIES — Lab to Light Production Unit

*Easy to clean - Truly Rust Free Cutting Chamber
– color changes in less than 5 min*

6” Diameter Rotor. STD 20 Tooth. Stellite, Cemented Carbide And PM Tool Steel Available

Feed Table In Place / no tools required to remove.

STANDARD Push/Pull Bed Knife Holder for Rotor gap adjustment

Upper Feed Roll Parallel Movement (even pressure across UFR for better strand control

Mechanical & Electrical Safeties prevents unsafe start-up

Feed Table Removed for easy cleaning

Top mounted air cylinder, better pressure control and longer seal life

Discharge Chute Removed

Cast cutting chamber cover. Longer life and no contamination points, like a bot together cover.
Push/Pull Cutting Gap Adjustment
(Standard - SB, Z & DX Series
Standard Option AXP & BXP)

Locking Bolts, lock Bed Knife in Position after Adjustment

Adjustment Bolts (Pull)

Adjustment Bolts (Push)

• Easy access to cutting gap control
• Uses high quality ball bearings over Spherical roller bearings

Advantages

1) Ability to run at much higher RPM (up to 2200, verses 800)
2) Improved tolerances, able to hold much tighter cutting gap.
3) Standard bearings, low cost.
4) No wear to side frames, longer pelletizer life.
Benefits of Push-Pull Cutting Gap Adjustment

Benefits-
• Adjustments are made with threaded bolts, this allows fine adjustments to be made.
• Adjustments are made to sliding block of steel not spinning rotor
• Able to make small adjustments across the length of the bed knife for wear inconsistencies.

Push Pull Cutting Gap Adjustment

Gap adjustment is made by adjusting the position of the bed knife holder, by adjustment bolts.
Eccentric Cutting Gap Adjustment
Design of All Conair Style Pelletizers old and new

Eccentric Rotors
- Adjustment must be made to both sides of the rotor shaft. Difficult to maintain same gap across bed knife.
- Additional wear to side frames due to friction between Eccentric bearing and side frame.
- Limited RPM of rotor available due to limits of spherical roller bearings.
- Higher cost of bearing assembly.
- Special bearing design

Eccentric Style Cutting Gap Adjustment
Gap adjustment is made by rotating the rotor bearing, which in turn moves the entire rotor forward or back as needed.
SB 100 SERIES – Lab to Light
Production Unit

SB100 Uses a serpentine belt to drive the lower feed roll.

- Double sided synchronous belt
- Spring actuated belt tension pulley. Controls belt tension.

- Belt drives are more robust than chain.
- Drive belts require no lubrication
- Require little maintenance or PM
- Belts are much quieter than chain

Double safeties for removable Feed Table  Mechanical and Electrical
**Z SERIES** - Medium Production

Available in 100mm, & 200mm Units

Throughput- 2500 lb./hr. and up to 40 strands.

**Z SERIES Features**

- Supported Bed Knife Holder
- Truly Rust Free Cutting Chamber
- Removable Feed Table
- Larger Diameter Rotor Shaft
- Eccentrically Adjustable Lower Feed Roll
- Chrome Plated Rotor Hub
- Removable Discharge Chute

Bed Knife Holder is Supported by the Isolation Plate
**Single Drive System**

- Lower feed roll is driven through a serpentine belt system, connected to the rotor motor.
- Upper feed roll is driven via contact to lower feed roll – extends UFR life (always runs at the same speed as the LFR).
- Self tensioning belt design, prevents belt slipping.
- This design is a low cost, durable system, that is easy to maintain.

**Dual Drive is Available as Opt.**

- Dual Drive will add a second motor/drive & belt for the feed roll control.
Z SERIES - Medium Production

Removable Discharge Chute – Makes it possible to completely clean the material contact points.

8” (200mm) Diameter Rotor.
Standard 32 tooth -Stellite tipped, PM tool steel,
Carbide Wedge Lock &
16 tooth Carbide bolt-on blades

Removable Feed Table allows for easier cleaning
Z SERIES - Medium Production

BPM Product Improvement

Supporting the Bed Knife Holder on the Isolation Plate—This allows us to hold a tighter cutting gap. With the old hanging bed knife design, the gap would change as more load was applied to the system.

Horizontal Strand Cut
The Z Series has less of a downward cut angle - The strands do not get forced down on an angle, thus producing a flatter cut.

Angle from the Nip Point of the two rolls to the cut point is a more horizontal cut than the SGS E series. This provides the following advantages.
- Better strand control
- Less angle cuts - i.e.: tails - This significantly reduces dust produced with brittle materials such as - acrylics, PC

Bed Knife Holder is not supported, it relies on bolts from the back plate to support. As bolts stretch it becomes a frequent cause of poor gap control & Rotor CRASHES!

Bed Knife Holder is supported, improving cutting gap control & stability of Bed Knife.
X-CLASS - Medium Production

AXP PELLETIZERS

Available in Sizes 4”, 6”, 12” & 16” Throughputs -4,300 lb./hr., And up to 90 Strands

• Tool Less Entry to Cutting Chamber
• Slide out feed table to access cutting chamber
• Utilizing push/pull bed knife adjustment
• Quick easy clean out
• Robust design
• Serpentine belt to drive lower feed roll
• 50% less floor space than gear box models
• Cam cover design for automatic belt tension release
• Dual drive option available
X-CLASS - Medium Production

**AXP Pelletizers**

<table>
<thead>
<tr>
<th>Standard</th>
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<tbody>
<tr>
<td>Insulated Sound &amp; Safety Hood</td>
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<tr>
<td>Belt Driven Lower Feed Roll</td>
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<tr>
<td>- less Maintenance</td>
</tr>
<tr>
<td>- No tools required to clean cutting chamber</td>
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<tr>
<td>- 50% smaller footprint</td>
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<tr>
<td>- less noise</td>
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<tr>
<td>Non-Driven Upper Feed Roll</td>
</tr>
<tr>
<td>- Better Strand Control</td>
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<tr>
<td>- Less wear on UFR</td>
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<tr>
<td>- No tools required to remove UFR</td>
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<tr>
<td>Top Mounted Air Cylinders</td>
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<td>- Better Strand Pressure Control</td>
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<tr>
<td>- Same Cylinder used on both sides</td>
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<tr>
<td>- Commonly Found off the shelf part</td>
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<tr>
<td>- Greater seal life</td>
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**Optional**

Gear Box Driven UFR
Adjustable Air cylinders
Push/pull or Eccentric gap adjustment
Description of Cutting Chamber
1. Rotor
2. Upper Feedroll
3. Lower Feedroll
4. Bed Knife

5. Pneumatic Cylinders to apply maximum pressure to upper feed roll.
**AXP & AX SERIES Quick Clean Features**

- **BXP Cutting Chamber**
  - Upper Feed Roll Bearing Block. No tools required to remove.
  - Quick Release Clamps
  - Area Opens for quick clean out
  - Loose Pellets Drop Out to Discharge Chute
  - Front End to the Open Position
  - Linear support rails
X-CLASS - Medium Production

Optional Dual Drive
Allows customer to adjust the length of the pellet.

Available with a variety of different styles of rotors
- Welded Stellite 12 (able to repair damage to tooth)
- Carbide Wedge Lock
- Bolt On Carbide Blades.

Optional Upper Feed Roll Drive
Positively drives the upper feed roll for materials that do not feed easily into the cutting chamber
BXP SERIES PELLETIZER
Large Production
Upper Feed Roll Pneumatic Cylinders

- Standard off the shelf cylinders, stock item, low cost.
- Large cylinder, utilizing the head side of the cylinder for downward pressure (maximizing area).
- Positioned the cylinder on the upper cover above the UFR. Minimizes interference on front of cutting chamber, ideal position for downward pressure.
- Standard cylinders are interchangeable right to left.
- Optional – UFR modified to be interchangeable between BXP & Conair 3500 machines.
Optional

- Isolation Bearing and Coupler
  - Eliminates vertical load on rotor bearings
  - Coupler allows quick rotor change
  - Increased rotor RPM
  - Tight tolerance Cutting Gap

Tool Less Entry to Cutting Chamber
Isolation Bearing and Coupler
- Eliminates vertical load on rotor bearings
- Coupler allows quick rotor change
- Increased rotor RPM
NEW – Serpentine Belt Driven BXP SERIES

NO Gear Box, No Universal Joints

- Uses less floor space than a gear box driven machine.
- Eliminated the gear box and u-joints, simplifying the lower feed roll drive, eliminating costly failures.
- Un-driven upper feed roll—extends the life of the Hypalon covered rolls. The upper feed roll is driven from contact to the lower feed roll, ensuring that both rolls are always running at the exact same speed.
- Push/pull bed knife for cutting gap control—using the push/pull design to control the cutting gap is more accurate than eccentric systems.
- Use of traditional ball bearings for the rotor bearings, allows for much higher RPM than spherical roller bearings.
Quick Clean Features

• Pneumatic Cylinders Mounted on Cutting Chamber Cover.
• Front End Slides Open to access the cutting chamber for quick clean out.
• Upper feed roll is removable without removing any screws.
• Eliminated common pellet hang up points, cutout in Iso plate to allow pellets to fall into the discharge chute.
BX SERIES Quick Clean Features

BXP Cutting Chamber

- Quick Release Clamps
- Front End to the Open Position
- Area Opens for quick clean out
- Loose Pellets Drop Out to Discharge Chute
- Upper Feed Roll Bearing Block
DX Series Large Production Strand Pelletizers

Available in 200mm, 300mm, 400mm, 600mm, 800mm, & 1000mm Units

Throughputs from 3,190lb/hr to 15,950 b/hr
And between 50 to 250 Strands

Robust designs, production ready for decades.

- Suitable for a wide range of thermoplastic polymers
- Used for conventional and water slide systems.
• Utilizing a push/pull bed knife to adjust the cutting gap
• Bed Knife uses the full length of the rotor cutting surface.
• Simple Clean Out
• Easy to Maintain

• Pneumatic cylinders mounted on cutting chamber cover to apply pressure to upper feed roll for best possible pulling force.
• Available with Stellite, Tool Steel, or Wedge Lock rotors.
• Available with various feed roll options, knurled, smooth, Serrated, or covered.
**Micro Strand Pelletizing Systems (Patented Technology)**

**Micro Pellets**

Patented Rotor with High Tooth Density (low wind generation)
Micro Pellets are pellets that 1mm or less in size

• Traditional pellets are 0.125” x 0.125” (3mm x 3mm)
• Micro pellets can be as small as 0.010” x 0.010” (0.25mm x 0.25mm).

Benefits of Micro Pellets over traditional pellets

• Enhanced process ability resulting from smaller pellet size and larger surface area (twice that of traditional pellets/weight).

Micro Pellets Replace Messy Powders

• Easier automated loading
• Potentially structurally stronger end products
• Superior color matching
• Fewer feed problems
• Greater bulk density
Keys to Processing Micro Pellets

- Independent drives for feed rolls and rotor
- Maintaining Proper Strand Orientation
- Correct configuration of feed rolls
- Precise control of strand infeed
- Precise cutting gap control
- Proprietary rotor designs
  - Up to 120 tooth rotors
KEYS TO MICRO PELLETIZING

Minimized Distance to reduce the “un-controlled gap”

Patented Rotor with High Tooth Density (low wind generation)

Smooth Lower Feedroll
PULTRUSION

Strand Pelletizing Systems

Long Fiber Pellets
Pellet lengths vary from 1/8” to 2”

Long Fiber Pellets

• Materials
  • PP, Nylon 6 & 66, Polyurethane, PC, Polyester, PET, PBT, PPS, PES, PEI
  • Fiber glass, carbon, stainless steel, Organic/Natural fibers
  • Long fiber pellets are used to improve material properties in finished goods
    • Improved Mechanical Properties
    • Light Weight
    • Non-Corrosive
    • Metal to Plastic Conversions
Pelletizing Equipment for Long Fiber Material

- Cylinder mounted on cover for unobstructed access to the cutting chamber
- Extra Heavy Duty Hinge Assembly
- Locking Quick Clamps for Easy Access
- Minimized Distance between Nip Point and Cutting Point
- Push/Pull Bed Knife Adjustment. All bolts accessible from the top

[Diagram with annotations]
Isolation Bearing and Coupler
- Eliminates vertical load on rotor bearings
- Coupler allows quick rotor change
- Increased rotor RPM

The BPM Pultrusion Pelletizer is built to handle the most difficult to cut materials at tolerances not matched by anyone in the industry today.
- Ability to adjust rotor / bed knife gap as low as a Zero Tolerance
Manual & Automated Controls

Manual Speed Pots

Intergraded Touch Screen Control
**OPTIONAL FEATURES**

* **Dual Drive Option**
  * Allows customer to change the cut length. Includes a second motor and drive to control the lower feed roll, this in combination with the rotor motor and drive allows the customer to change the length of the pellets by adjusting the speed of the two motors.

* **Digital Pellet Length Control**
  * Utilizes proprietary designed program and a 5.5” touch screen to set the pellet length.
  * The operator will simply have to enter the desired pellet length on a pop up number pad, and the program will control the drives to produce the desired pellet length.
  * The strand diameter and line speed is control by either a 10 turn speed pot or up/down keys on the screen.
  * Pellet lengths can be selected between 2” to 0.01” and this system is accurate to +/-0.0005”
Digital Pellet Length Control

Main Screen Shows:
- Feed Roll Setting
- Feed Roll Actual Speed
- Rotor RPM
- Selected Pellet Length

Pop Up Screen
Allows Operator to Set
Line Speed

Pop Up Screen
Allows Operator to Set Pellet Length
BPM’S Water Baths are designed to meet the needs of your extrusion line. Made of 304 stainless steel, our cooling tanks are available in multiple sizes to accommodate most extrusion applications. Our rugged painted steel support frames are equipped with heavy-duty support jacks for adjusting the height. A weir box with removable screen is standard along with inlet and drain ports.

Available options: Water Recirculation System * Automatic Water Make Up Circuit * Stainless Steel Support Frame * “V” Grooved Casters and other special requests
**WBX SERIES - Water Baths**

(Sizes from 6”w x 6” D x 6’ l to 30”w x 12”d x 30’l)

- Optional Water Recirculation System • 5GPM to 180 GPM • 3k BTU/Hr to 550k BTU/Hr
- Vertical Height Adjustment
- Over Flow Weir
- Adjustable/Removable Spreader Bars
- Liner Adjustment moves full tank under die to ease start up
- Water Make Up Valve
- Available Options:
  - Vertical Height Adjustment
  - Optional Water Recirculation System
    - • 5GPM to 180 GPM
    - • 3k BTU/Hr to 550k BTU/Hr
AK Series Air Knife

Positive Pressure Air Knife

The blower pulls air through a coarse filter and pushes the airflow into the nozzles. The height of the air nozzles can be adjusted to meet the needs of the line.

Available in 6”, 12” & 18”
Horsepower varies from 3 to 7.5
Air flow from 950-3,175 CFM
Air Velocity up to 5,900 FPM

Air Nozzle is Opened ended to Assist Start UP.

The strand guides can be adjusted as necessary to control strands.
VAK SERIES - Strand De-Watering Systems

Vacuum and Pressure Air Knife

Available in 12”(300), 16”(400), 24”(600), 32”(800)

The VAK dries the strands by a combination of air pressure and vacuum.

The air supply for both pressure and vacuum is provided by a single blower. The vacuumed air is pulled into a demister to separate the water. Water drops to the bottom of the vacuum chamber and is drained by a self regulating valve.

Horsepower varies from 5 to 25HP.

Air Flow from 1650 to 3530 CFM.
**AUTOMATED STRAND INFEED -**

**DRY & WET CUT Water Slide PELLETIZING SYSTEMS**

**WET CUT** Water Slide Systems

- Water is used to convey pellets through the pelletizer

**DRY CUT** Water Slide Systems

- Water is drained and strands are dried before cutting action

Double click for **DRY CUT** demo
Horizontal Water Slide Pelletizing System
(Wet Cut)

Wet Cut Water Slide Systems

- Strands are conveyed down the water slide to the feed rolls.
- Spray bars are used to improve cooling
- Some water is drained just before the feed rolls and transferred through the cutting chamber
- Cut pellets are dropped back into the water, allowing post cut cooling and conveyed to the dryer.

Wet Cut water slide w/conical trough

- Die widths can be twice that of the pelletizer infeed.
Polymer Strands are carried into the Pelletizer via the water movement down the slide

- Material cooling properties determines the length of the water bath
- Dropped strands are automatically feed into the pelletizer
- Suitable for master batch, compounding, and engineering plastics.

**Water Slide System Layout**
1. Die
2. Water Slide
3. Spray Bars
4. Strand Pelletizer
5. Spin Dryer
6. Classifier
Horizontal Water Slide Pelletizing System (Wet Cut)

Water Side Die End

• Pneumatically controlled sluice tray, slides under die for start up

• Slides away from die for purging.

• Water is distributed through a specialized sluice box designed to eliminate water turbulence, that can cause strands to join.
Key Difference:

Bay Plastics offers a bolted sluice box, with adjustable water discharge, improving and controlling the laminar flow of water.

The competition does not have the ability to control or change the water discharge, because they don’t adjust the discharge.

1) Water Discharge (adjustable)
2) Water Supply
3) Water Tamer Section
Water Slide System

- Polymer tipped spray nozzles, with flip up bars
- Low flow, flow meter (retracts sluice tray if water flow is below adjustable level).
- Water trough height adjustment
- Flow meters for spray bars and post cut cooling
- Water Distribution Manifold
Horizontal Water Slide Pelletizing System (Wet Cut)

- Water Drop Out
- Flip Up Access
- Slide Open for Easy Clean and Access
Post Cut Pellet Handling

- Pellet Discharge
- Spin Dryer
- Dual Bypass Water Filters
- Heat Exchanger
- Water Tank
- Pellet Sample and Cleanout
- Post Cut Cooling
AUTOMATED STRAND INFEED – Water Slide With Vacuum Belt Conveyor

(Dry Cut)

Dry Cut Water Slide System w/Belt Conveyor

• Strands exit the die and are conveyed down the water slide to the belt conveyor

• At the transition between the water slide and the belt conveyor, the water is drained.

• Spray bars can be added on the belt conveyor to offer additional cooling if necessary.

• A vacuum is pulled under the belt to remove, and control residual water from the strands.

• Broken strands are automatically feed into the pelletizer.

PET Belt Material

Stainless Steel Belt
**Water Slide With Vacuum Belt Conveyor**

Custom designed water slide and conveyors for different material applications.

**Dry Cut Water Slide System w/Belt Conveyor**

- Available with vacuum and or positive pressure air (water removal)
- Available with additional spray bars for expanded water cooling section
- Variable length and widths available
Dry Cut Water Slide Pelletizing System

Dry Cut Water Slide System w/Belt Conveyor

• Available with vacuum and or positive pressure air (water removal)
• Available with additional spray bars for expanded water cooling section
• Variable length and widths available
Water Free Pelletizing

From Flooding the Material with Water

To Eliminating or Reducing Water Contact
Water Free Pelletizing

Typically as material is extruded it is submerged in water for a period of time to solidify and cool the material. This cooling can be done before or after the cutting process it is material dependent.

There are materials that can not be cooled in water.
* These materials may be water soluble,
* extremely hydroscopic,
* or simply the water may have a negative impact on the final product

Manufactures have been developing systems to cool the material with Air.
* Ambient Air - Difficult to control due to climate
* Chilled dehumidified air - expedites the cooling process.
* These systems typically use open mesh belt conveyors to move the material from the die to the pelletizer.

Some materials are tolerant to small amounts of water to be used. In these applications a fine mist of water is applied to the material, the heat from the resin will evaporate the water. During evaporation process cools the material.
Water Free Pelletizing

Water Free Cooling System

- Air Cooled Chiller
- Air Chiller and Dryer
- Air Distribution Duct
- Conveyor
Water Free Pelletizing

Small lab system using compressed air to cool the material.

Larger production unit that used fine water mist in combination with positive and negative pressure air to cool the plastic.
SERVICE & SPARE PARTS

FOR ANY BRAND PELLETIZER

Spare Parts

Rotor Rebuild

Rotor Re-sharpening

Bearings and Housings

Stellite Rotors

Bolt on Rotors

Wedge Lock

Bed Knifes and Doctor Blades

Rotor Repair and Re-sharpening

Feed Rolls
Base material 303 stainless steel with stellite #12 welded on the tips of the teeth. Stellite rotors are used on any unfilled material, very repairable including putting whole teeth back on.
REPAIRABLE STELLITE ROTORS

BPM'S Stellite Rotor Design

Proprietary Method of Welding Stellite that allows the rotors to be easily repaired if damaged.

Competitive Stellite rotors cannot be repaired without cracking & failure.

Damaged Rotor

Repaired Rotor

Wrap welded stellite Rotors.
- teeth are cut out of the stellite
- has a layer effect between stellite & stainless steel
- repairs to damaged rotors will crack and chip off
Classified between stellite and carbide. These rotors are made out of Z420PM tool steel, they are designed to cut some lightly filled and unfilled material, this rotor is not repairable.

* Approximately a 15-20% premium from our standard Stellite rotors.
Cemented carbide blades can be changed for repair, but they have to be re-soldered and ground in. These rotors are mainly used in smaller machines 100mm (4”) and down. If requested in a larger pelletizer, the rotor will be manufactured in 100mm sections that are capped together on a rotor shaft.

- They can have up to 32 teeth.

- Cost approximately 25% less than a Wedge Lock rotor.
Bolt on blade rotors also have changeable blades for ease of repair. Bolt-on rotors can be configured to have between 2 to 16 teeth. These are BPM’S standard rotors for the Pultrusion Pelletizers.

- Cost approximately 25% less than a Wedge Lock rotor.
* Base material 17-4 PH stainless steel that is carbide coated. This rotor is used on all filled material. All wedge lock rotors have carbide blades of our own specifications that outlast the competition and are changeable.

* Approximately a 60% premium from our standard Stellite rotors.
DIRECT SUPPORT & SERVICE

BAY PLASTICS MACHINERY

Located in Bay City Michigan, Supporting our Customers Throughout the World.

- On site manufacturing
  - Pelletizing Manufacturing & Assembly
    - Manual Strand Lines (7 Models)
    - Wet Cut and Dry Cut Water Slides
  - Rotor Manufacturing
    - New, Rebuild, Sharpening

- Parts and Service Support
  - For Any Brand Pelletizer
  - Full Time Service Engineers (more than 30 years experience)
  - More than $1M in Spare Parts in Stock
REBUILD CAPABILITY

Specializing in rebuilds of Conair, Rieter, and Cumberland Pelletizers

• Complete Rebuilds of Old Out Dated Equipment
• Complete Cutting Chamber Inspection and Rebuilds
• Meets or Exceeds O.E.M Specifications
• Competitive Pricing
• Quick Turnaround
Basic Information Required for Quotation

1) Number of Strands
2) Materials to be
3) Additives or Fillers
   a) Percentage
4) Specific Gravity of Material
5) Maximum Rate & Minimum Rate
6) Design Rate if Different from Maximum
7) Diameter of Strands
8) Length of Pellet
9) Any Other Special Requests (Feed Heights, Discharge Chute Configuration etc..)
For Additional Information
Please contact:

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Bay City, MI 48706
989-671-9630