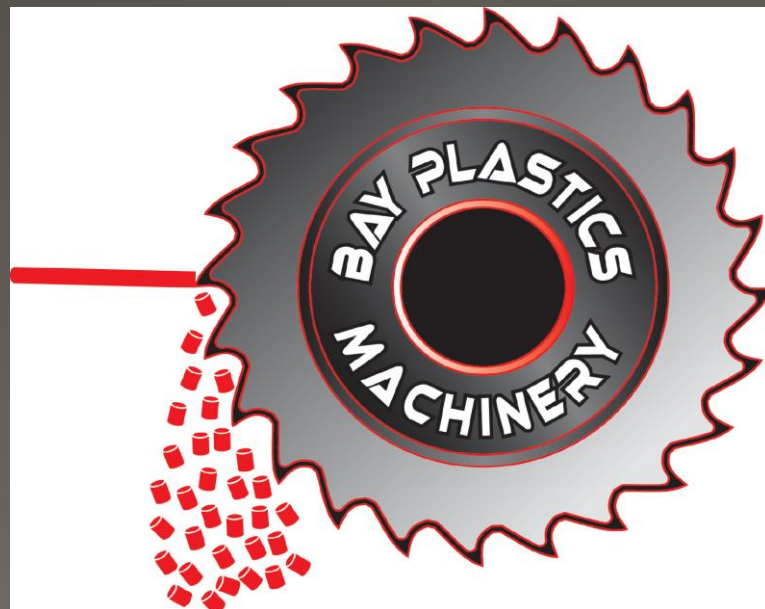


ADVANCED CUTTING SYSTEM





In today's world, we are surrounded by plastic!

You would be surprised by all the plastic that goes into a home appliance, a chair, even parts of your car. Many times it's hard to even tell that it IS plastic.

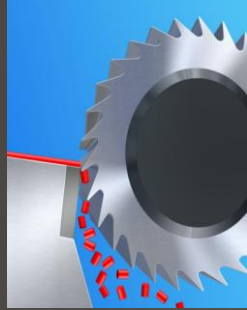
Precision is everything in these components...

When you require the exactness to produce the perfect granule, with NO dust, you should consider the expertise of

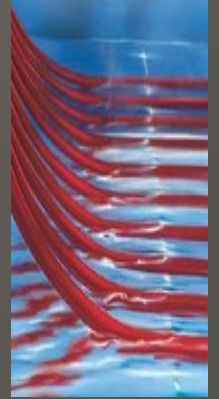
BAY PLASTICS MACHINERY!

PELLETIZING METHODS

Strand Pelletizing



Automated Strand Infeed



Conventional

Lab Units

Medium Production

Large Production

Wet-Cut Waterslide

Dry-Cut Waterslide

Micro Pellets

Long Fiber



LABORATORY AND SMALL PRODUCTION SOLUTIONS

BT25 (lab unit)



BP50 (small prod.)



The **BT25** was designed to aid with R&D efforts in a lab environment. You can modify the length of the granules to test different applications and it has a range of up to 4 strands, for a max thru-put of 30 kg/hr.

The **BP50** was developed for the production applications that arise from the BT25 studies. It is capable of processing up to a maximum of 8 strands, as well as small production. The maximum flow rate of this unit is approximately 250 kg/hr.

There are a many options available for either machine including drying systems, or cooling baths.

Either one of these would be a great solution for the pharmaceutical industry!



LIGHT PRODUCTION SB100



The **Light Production** machines are designed for materials like **Masterbatch** or products *without* aggressive fillers (such as glass fiber).

The **SB100** can process up to 20 strands with a max flow rate of 500 kg/hr.

This machine is for customers who demand quick product changeover and easy cleaning.

It can process materials loaded with mineral or additives - even with high percentages.

Wear protection measures and a variety of cutting materials contribute to its integrity .



MEDIUM PRODUCTION Z04



The **Medium Production** machines are designed for materials like **Masterbatch** or materials *with* aggressive fillers (such as glass fiber).

The **Z Series** can process from 20 to 40 strands with a max flow rate of 1000 kg/hr.

This machine was specifically designed for continuous operation under extreme conditions.

It is only an added benefit that it may also be the easiest machine to clean and maintain in the industry.

The great wear protection measures and the variety of cutting materials have contributed to hundreds of these machines in operation running high temperature engineered resins such as Nylon and Polycarbonate.



SERIES AXP DOUBLE SUPPORT



The **AXP Double Support** machine is also designed for medium production levels.

This machine comes in 4 different versions and can accommodate from 20 to 90 strands.

The various versions of the machine can accommodate a flow rate from 0 to 2200 kg/hr.

This machine is designed for **Processors** and **Producers** of engineering plastics.

Equipped with a multitude of options to cover all your needs.



DX SERIES LARGE PRODUCTION STRAND PELLETIZER



A combination of the **DX Series** with our water slide and cooling arrangement can create an **automatic** cutting system that is capable of producing a flow rate of up to 4000 kg/hr.

This system has been designed to reduce up to 0.8% of the waste of the total production.

It is proficient in handling **ALL** material types.

This automated system **does not need operator supervision.**

In the event of a strand breakage, the machine is able to convey it up to the pelletizer and continue processing.



EXAMPLES OF DRY CUT AND WET CUT FULLY AUTOMATIC SYSTEMS FOR LARGE PRODUCTION

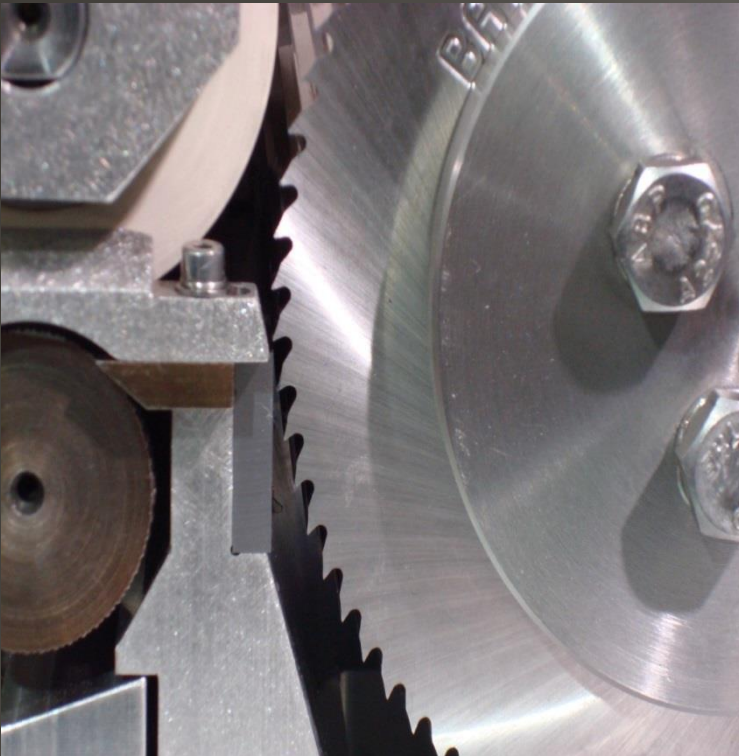
DRY CUT SYSTEM WITH WATER SLIDE AND BELT DRYER



WET CUT SYSTEM WITH CENTRIFUGAL DRYER



MICRO PELLETS TECHNOLOGY? ...YES, WE CAN!



Patented Rotor with High
Tooth Density 72-120 Teeth
(low wind generation)

Traditional pellets are (3mm x 3mm)

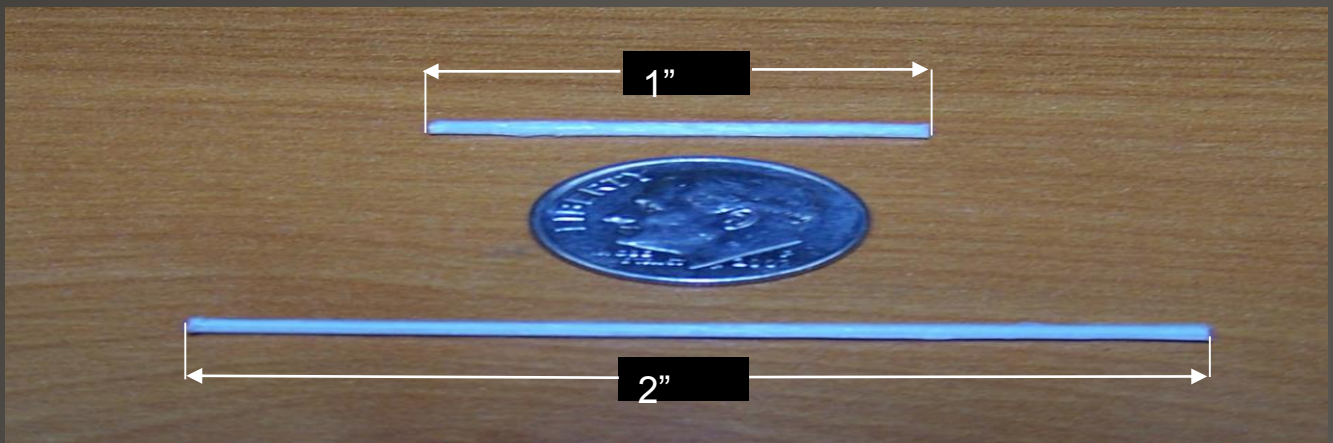
Micro pellets are pellets that are 1mm or less in size
(they can be as small as 0.25mm x 0.25mm)

Benefits of micro pellets over traditional pellets:

- Enhanced ability to process because the smaller pellet size and larger surface area (twice that of traditional pellets/weight).
- Replaces messy powders
- Automated loading is made easier - fewer feed problems
- Structurally stronger goods (due to the density of the product)
- Superior color matching
- Greater bulk density



LONG GLASS FIBERS TECHNOLOGIES



The long fiber had a comeback throughout Europe.

Car manufacturers are always looking for new and durable materials that can withstand high temperatures yet still remain mechanically strong, but light enough to reduce fuel consumption.

The long fiber is the solution to their problem

Keeping the fiber in its mechanical form is the answer and this is now replacing the ultra loaded compound.



LONG FIBER TECHNOLOGIES



THE LAYOUT CONSISTS OF:

- Very strong and large pelletizer
- Puller device system



ABOUT BPM (BAY PLASTICS MACHINERY)

In 1961 under the name Jetro Inc. the first cutting system BAY PLASTICS MACHINERY offers was introduced.

Approx 14 years later this system was purchased by CONAIR.

After many years of successful co-manufacturing, the experts from Jetro decided to continue in a manner unrelated to CONAIR and founded BAY PLASTICS MACHINERY (BPM).

Then in 1998 BPM began a joint adventure with CF SCHEER Stuttgart. This ended in 2008 when the latter declared insolvency.

In 2017 after significant market changes and new acquisitions, a group of experienced agents in the Plastics Industry decided to start this adventure with BPM offering a choice at ALL CUSTOMERS.

BPM is now able to offer our products and services to customers who bought pelletizers from each of their former partners, as well as, any other brand (this includes spare parts).

BPM is a leader in the US and ASIA with a developing sales network in ITALY, SWITZERLAND, AUSTRIA, FRANCE, SPAIN, BELGIUM, THE NETHERLANDS, LUXEMBURG and The UK. In the near future we also plan to be present in GERMANY and POLAND.

BPM builds in metric units, and under the rules of the European community. All machines manufactured for Europe include the CE CERTIFICATION and all European components.

**BPM is not an alternative but a
GREAT CHOICE !!!!**

BASIC INFORMATION REQUIRED FOR QUOTATION

- 1) Number of strands
- 2) Materials to be cut
- 3) Additives or fillers
 - a) including percentages
- 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.)

Please, visit our web site or contact your local agent:

www.bayplasticsmachinery.com



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OR

Please visit our web site: www.bayplasticsmachinery.com
to find your local Agent.

 **IS NOT AN ALTERNATIVE,
BUT A GREAT CHOICE!**