## Specialist in Pelleting equipment



www.ptn.nl



## The Company

Pelleting Technology Netherlands (PTN) is specialist and worldwide active in the development, production and servicing of pellet mills and related machinery for the production of animal feed, recycling and biomass industry.

During the last decades PTN has acquired various innovative patents that reinforce the foundation of its continuity. After the first patent on the super rotor sifter, new developments such as the remote roller adjustment, the unique quick die change system, the BOA compactor and the thermal treatment concept have led to further patents being awarded. With thousands of installation and satisfied customers around the world, PTN has built a solid basis at both existing and new clients. This allows to look to the future with confidence.

### Mission and Vision

As one of the few globally operating and specialised manufacturers of pellet mills and related machines, it is our ambition to grow and become the most respected professional OEM.

We aim to constantly improve our technology, innovation capabilities and quality through ongoing interaction between our customers, staff, suppliers and distributors, thereby ensuring continuity and continual supply of excellent products.





## PROGRESS PELLET MILL EXCELLENT PELLET OUALITY AT LOW SPEEDS

1

0

 $\bigcirc$ 

()

1

00

٢

٩

1

## Selection of our products



#### Progress Pellet Mill

The Progress Pellet Mill is a highly stable, robust and refined pellet mill. The technological concept ensures an even distribution of the enormous mechanical forces on the heavy bearings of the solid main shaft and intermediate shafts.



#### Crumbler HE

PTN's crumble technology is based on two large, independently driven rollers. This ensures an optimum result. Minimum fines with maximum crumble. An integrated rotating feeder ensures an even distribution of the pellets to the crumbler rollers.



#### BOA Compactor

The BOA Compactor has a patented pre-compacting technology, which is a unique alternative for double pelleting or expander technology. In the double-walled mixing chamber steam and liquids are dosed to the feed. The mixture is compacted by two friction rings which are hydraulical controlled.



#### Roller Mill HE

The Roller Mill is developed to break and structurize various materials with an optimum result and low energy requirements. One, two or three on top of each other mounted units, each with two large, rollers with a common drive. In the top unit a frequency controlled rotating feeder ensures an even flow to the breaker rollers.





#### Progress MonoRoll HE

PTN's Progress MonoRoll HE, a highly stable, robust and refined pellet mill. The technological concept with one roller ensures excellent pellet quality at low die speeds. On average 30% more capacity with same energy level. Less roller slip due to small feeding angle and large contact surface.

#### Conditioner

The details in development and engineering make the difference in this conditioner. Wide sized paddles, adjustable in both height and pitch, create a homogeneous mixture and an hygienic process.





#### Feeder Screw

The details make the difference in this feeder screw manufactured entirely from stainless steel. The geometry of the shaft flight guarantees a uniform product flow. For use as dosing and conveyor screw for powders and granulates.

Heated Feeder screw - Screw with electrical tracing and insulated with rock-wool. Formation of condensation and premature cooling are minimised.



#### Rotary Sifter

Rotary sifters are available in single-deck and double-deck versions. A rotary screen plate in a steel housing ensures that the product is sieved effectively. This type of sifter is often used as a pellet sifter, with the sieved fine particles being fed back into the pellet mill. It is also used as a bypass for hammer mills, routing fine particles outside the hammer mill to the next phase of the production process.



#### Hot Start Conditioner

The conditioner TCS with insulated and heated mixing chamber, in which a mixture is heated with dry steam by a shaft which can rotate in two directions.

Two PT 100 temperature sensors register the preset temperature after which the electro-pneumatically controlled flap of the outlet is opened. A 100% guarantee that the mixture, right from the first kilo, undergoes the desired thermal treatment in order to combat bacteria, such as salmonella.



#### Retention Time Barrel

The heated retention time barrel (RTB) is used for the thermal treatment of i.a. animal feed (flour) in order to eliminate bacteria such as salmonella. The product remains, during a preset length of time, in this heated and insulated retention time barrel. Guaranteed first-in/first-out of the mixture in the retention time barrel.



#### Cooler

The PTN counterflow cooler is used for cooling pellets and expandate to nearly ambient temperature. By drawing air through a product layer which is variable in height the product is cooled. Smooth discharging and a 100% clean out are ensured by the discharge system.

# **PROGRESS PELLET MILL** STABLE, ROBUST AND REFINED PELLET MILL

### Service

Together with quality and reliability, service represents PTN's highest priority. We are available 24 hours a day, 7 days a week, throughout the whole year. From a well-equipped warehouse we quickly dispatch components all over the world. Highly experienced service staff and modern vehicle fleet.



PTN is part of the Triott Group. The Triott Group is a holding company consisting of various operating companies. Each operating company specializes in one or more aspects that play a role in the design and implementation of machines, process equipment and installations for the compound feed industry and other grain processing processes.

The unique characteristics of each company result in maximum synergy, which will yield benefits at both machine level and relevant turnkey projects.

www.triottgroup.com





Pelleting Technology Netherlands Galvaniweg 29 5482 TN Schijndel The Netherlands Tel.: +31 (0)73 54 984 72 info@ptn.nl www.ptn.nl