



# Pelleting Technology Nederland



Specialist in Pelleting Equipment



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## History

Since its founding in 1974, Pelleting Technology Nederland (PTN) has grown as a family company and is currently active worldwide in the development, engineering, production, sales and service of pellet mills and associated machines for the animal feed, recycling and biomass industry.

During its 40 years or so, PTN has acquired various innovative patents that reinforce the foundation of its continuity. After the first patent on the super rotor sifter, developments leading to the automatic roller adjustment, the unique quick die change system, the mix-compress, the BOA compactor and in 2010 the thermal treatment concept led to further patents being awarded.

For many years, the ISO 9001 certificate has ensured that both quality and reliability are guaranteed and continuously improved.

With thousands of installations and satisfied customers around the world, PTN has a solid basis on which, along with both existing and new clients, to look to the future with confidence.

## Mission:

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

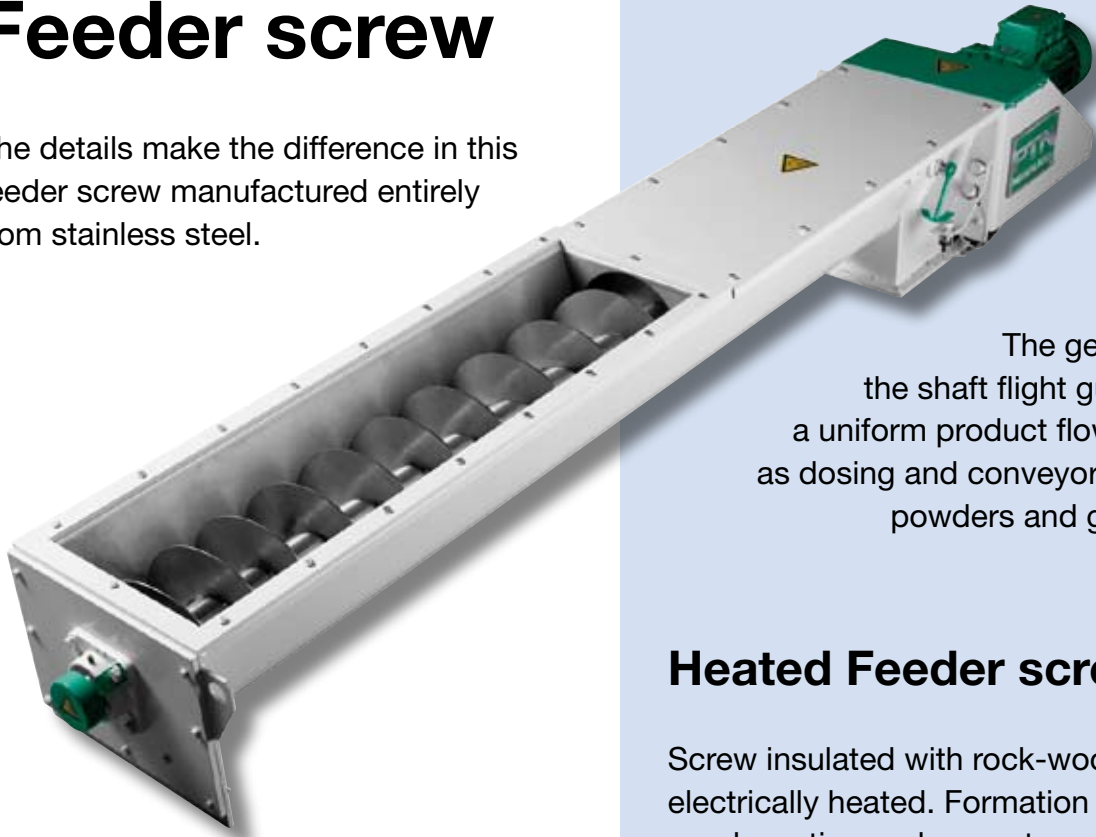
Through the ongoing interaction between our valued customers, motivated employees, reliable suppliers and ambitious distributors, we aim constantly to improve our technology, inventiveness and quality in generating and safeguarding continuity and profitability.

## Strategy:

- Extend and maintain a worldwide network of professional sales and service centres.
- Create both a virtual and genuine impression of professionalism, quality and innovation, along with a high level of standardisation and digital accessibility for our strategic partners.
- Transform technology, competences and knowledge into technical and commercial added value.
- Generate stable growth in both turnover and profit.

# Feeder screw

The details make the difference in this feeder screw manufactured entirely from stainless steel.



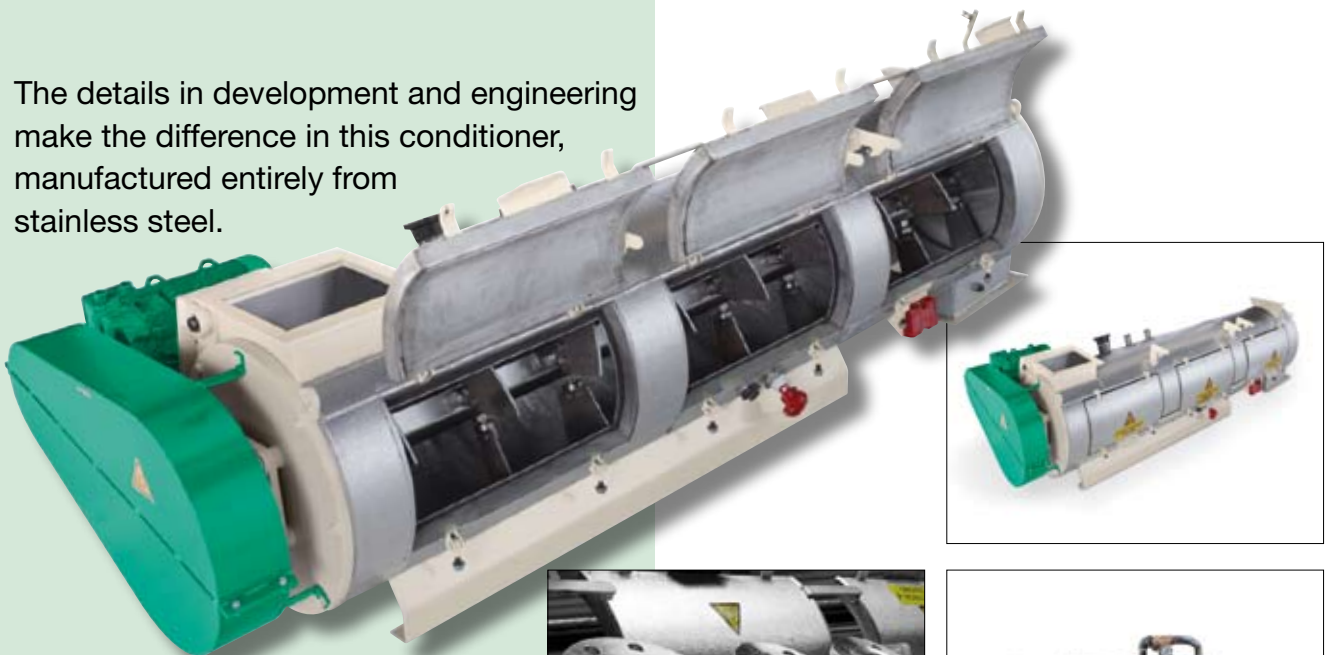
The geometry of the shaft flight guarantees a uniform product flow. For use as dosing and conveyor screw for powders and granulates.

## Heated Feeder screw

Screw insulated with rock-wool and electrically heated. Formation of condensation and premature cooling are minimised.

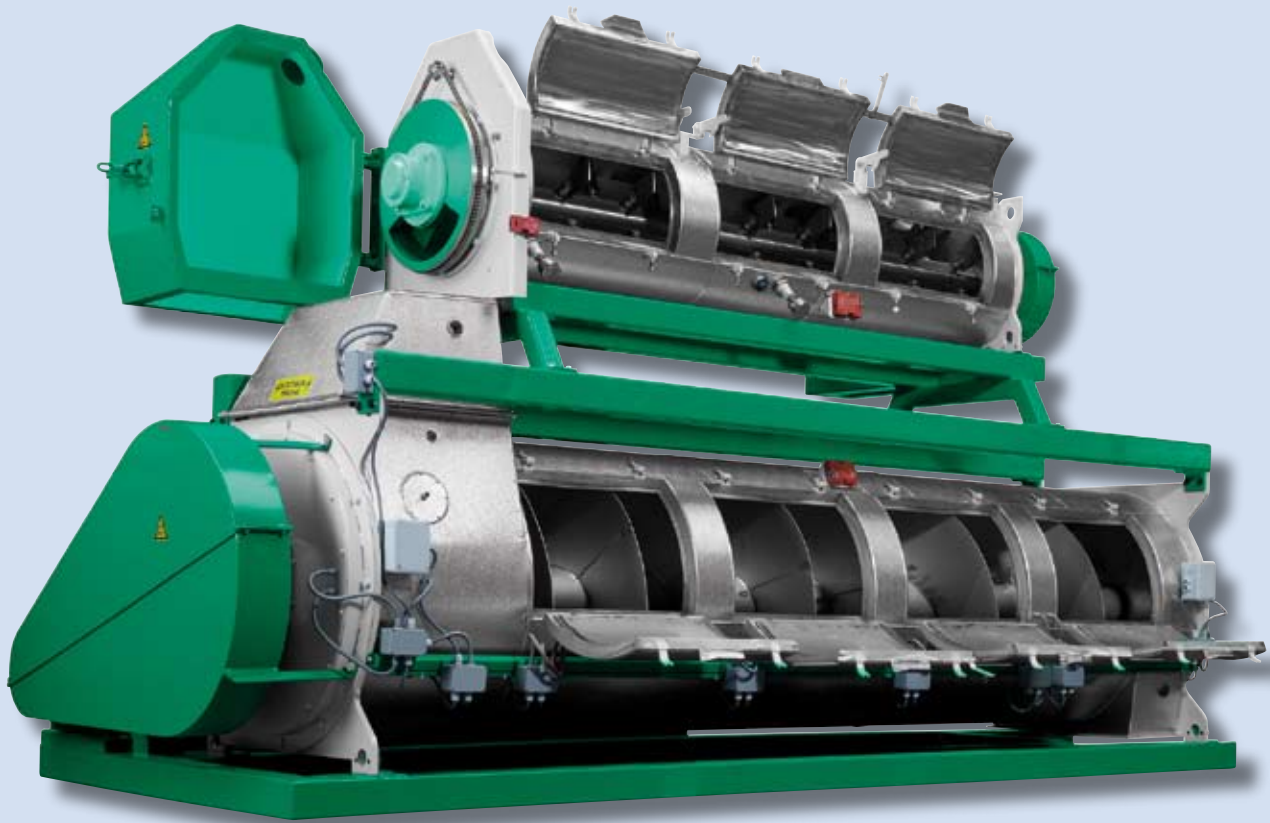
# Conditioner

The details in development and engineering make the difference in this conditioner, manufactured entirely from stainless steel.



Generously sized paddles, adjustable in both height and pitch, create a homogeneous mixture and an hygienic process.

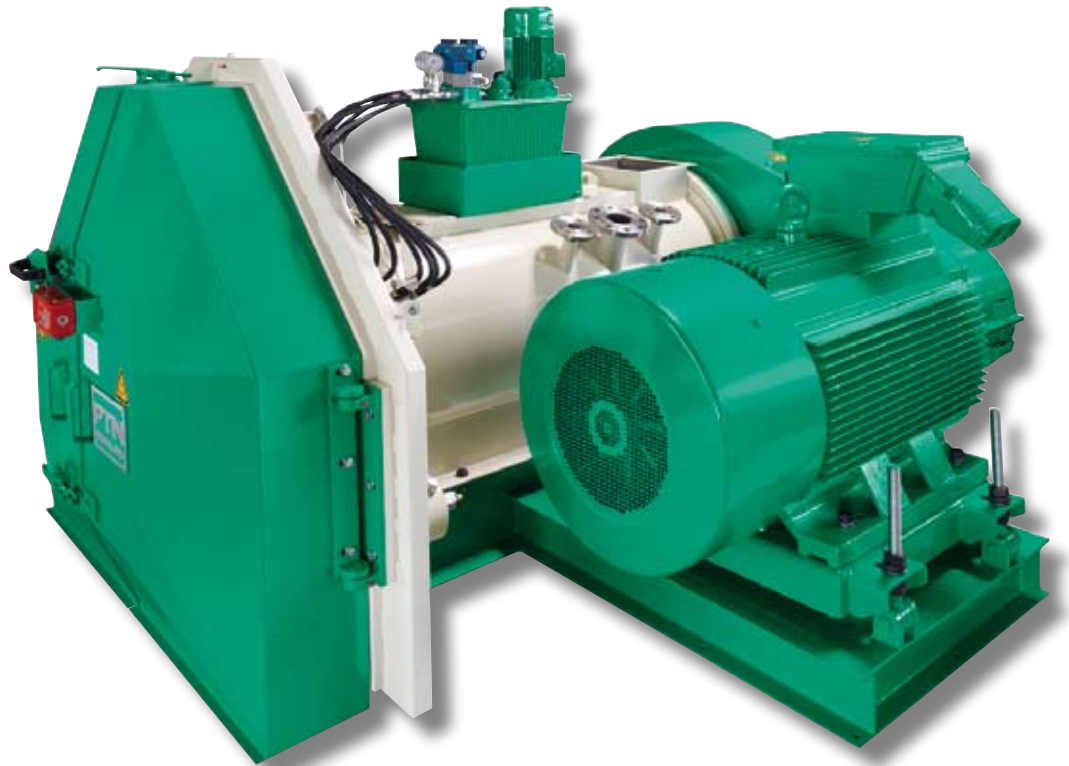
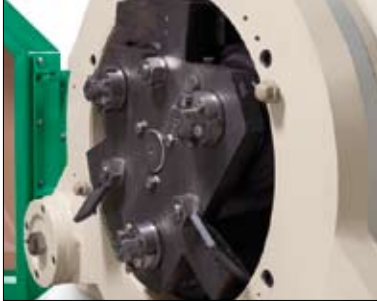




## Temperature Control System and Retention Time Barrel

A closed, insulated and heated mixing chamber (TCS) in which a mixture is heated with dry steam by a shaft rotating in two directions. Two PT 100 temperature sensors register the preset temperature after which a rotating disc is opened. The mixture is discharged into the Retention Time Barrel (RTB) where it remains during a preset length of time (2-4 min.). By means of an equalizing device the mixture is continuously fed into the pellet mill.





# BOA Compactor

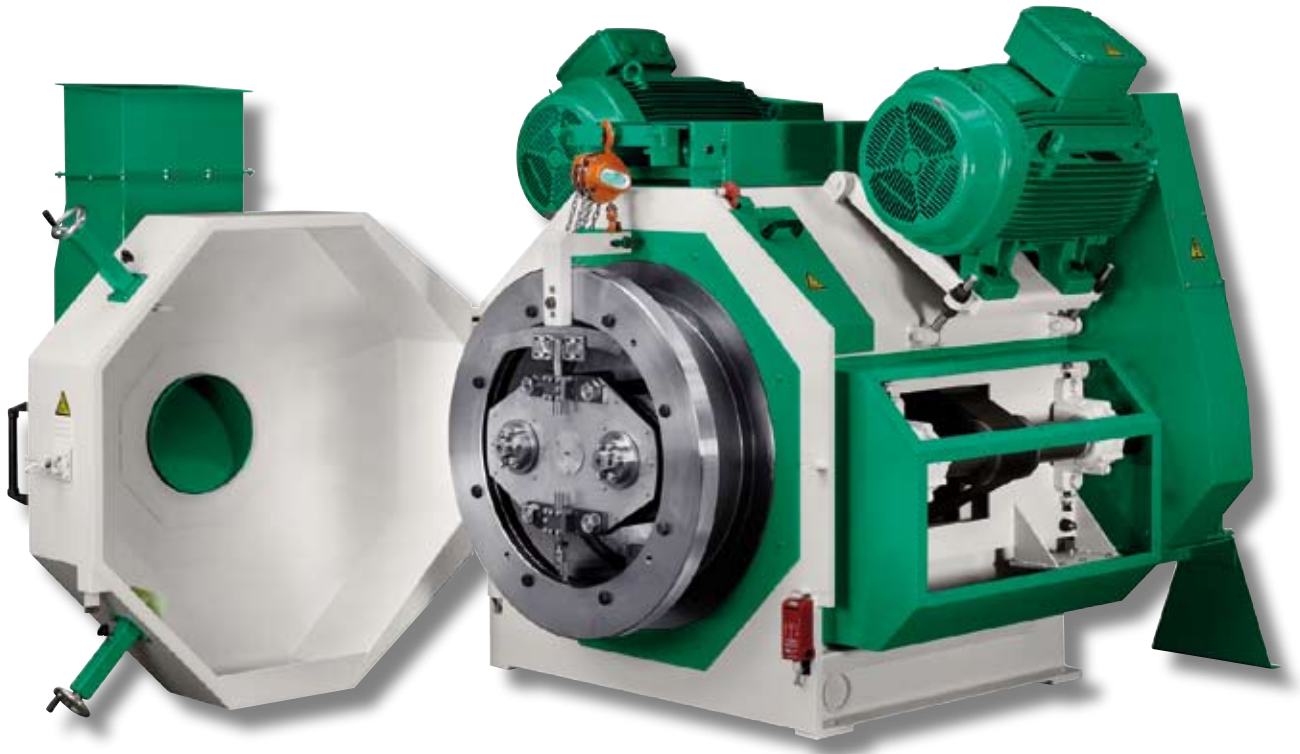
PTN's patented pre-compacting technology.  
A unique alternative for double pelleting or expanding.

A double-walled mixing chamber in which steam and liquids are introduced and the mixture is compacted using a hydraulically operated compacting chamber. Generously sized paddles, adjustable in both height and pitch, guarantee a homogeneous mixture and an hygienic process.

The mixture is introduced into the compacting chamber where a rotating three-roller head presses this through two conical friction rings.

Three hydraulic cylinders accurately assess the adjustable distance (3 – 45 mm) between the friction rings which, along with a motor power of 250 kW, determine the compaction level.

The unique combination of mixing chamber and compacting chamber ensures an optimum absorption of steam and liquids, a more homogeneous distribution of the raw materials, a higher pelleting capacity and excellent pellet quality.



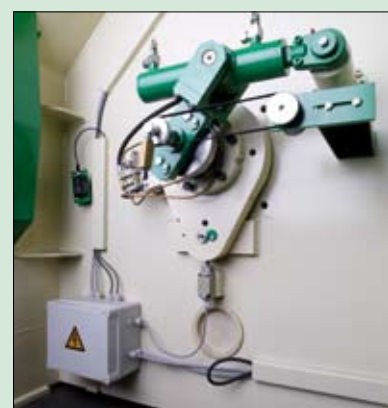
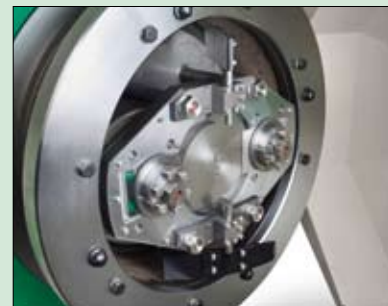
## Progress Pellet Mill

PTN's pellet mill, a highly stable, robust and sophisticated pellet mill. More than 35 years of experience in development, engineering and production ensures quality and continuity. The partially patented innovations offer a unique price/performance ratio.

A sophisticated technological concept ensures an even distribution of the enormous mechanical forces on the heavy bearings of the solid main shaft and intermediate shafts.

The stepped transmission via V-belts and timing belts permits the application of higher motor powers.

Combined with the refined transmission, the robust frame guarantees a stable and vibration-free pellet mill during production.



# Counterflow Cooler

PTN's circular counterflow cooler, with its unique triangular, perforated bottom, ensures a large air-flow area and almost residue-free discharge.

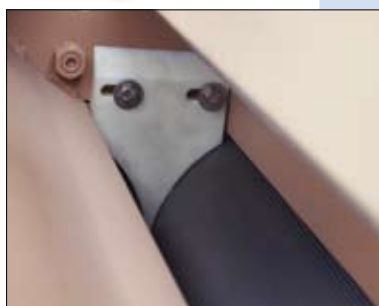
## Secondary Cooling Hopper

PTN's secondary cooling hopper improves production efficiency, with a time saving of 3-6 minutes at product change.



# Crumbler

PTN's crumble technology is based on two large, independently driven rollers that ensure an optimum result. Minimum fines with maximum crumble.



An integrated control valve ensures an even flow to an axially rifled proportioning roller, manufactured from solid steel. Large-scale axially and radially rifled crumble rollers rotate slowly, at different speeds in opposite directions, and cut the pellet to a crumble.

# Super Rotor Sifter

Unique simultaneously rotating and vibrating steel-wire sieve fabric generates a qualitatively and quantitatively high sifting result, with minimal installation dimensions.

A specially developed and patented vertical shaft construction, with two separate drives, combines eccentric and centrifugal movements for an optimum sifting result.

The special steel-wire sieve fabric has 25% more throughput in comparison to perforated sheet.



## 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 personnel and modern mobility ensure rapid action whenever assistance is required.



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