

Quick Die Change (QDC)

General

PTN's innovative quick die change system, based on the nut-and-bolt principle, improves efficiency by shortening die replacement time to approx. 15 min.

Advantages

- » Increased efficiency.
- » Cost savings.
- » Die replacement time approx. 15 min.



Specifications

- » Die holder with outer screw thread.
- » Nut with inner screw thread for mounting on to die.
- » Foot-operated turning gear with pneumatic coupling to the intermediate shaft.

References

- » Pro Agri Perl, Germany



- » TDM, Uzbekistan



- » DUNYO, Uzbekistan



FEEDER SCREW

CONDITIONER

TCS-RTB

BOA COMPACTOR

PELLET MILL

COOLER

CRUMBLER

ROTOR SIFTER



PTN produces and develops high-quality, reliable machines. It strives to provide its customers with the following benefits through its products:

- » Higher yields.
- » Lower energy consumption.
- » Low maintenance requirements.
- » Access to state-of-the-art technology.

As a globally operating, specialized manufacturer of pelletisers and related machinery it is our ambition to expand to become the most respected professional OEM (Original Equipment Manufacturer).

Our strategy for achieving this ambition is to:

- » Expand and consolidate the global network of professional sales and service points.
- » Create a virtual and real image of professionalism, quality and innovation as well as a high level of standardisation and digital accessibility for strategic partners.
- » Transform technology, know-how and competences into technical and commercial added value.
- » Generate stable growth in sales and profit.



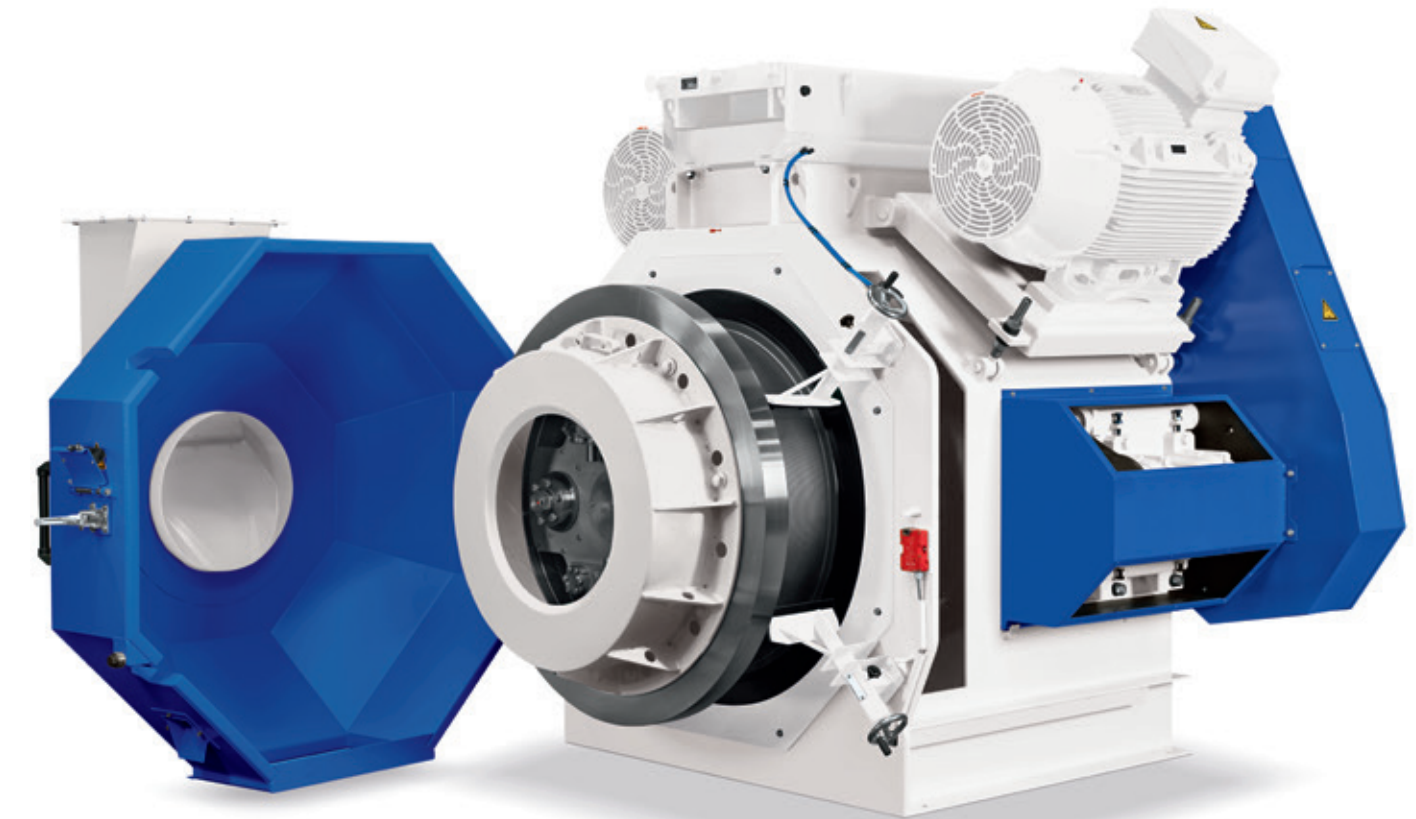
P.O. Box 132
5480 AC Schijndel
The Netherlands

T +31 (0)73 54 98 472
F +31 (0)73 54 78 595

info@ptn.nl
www.ptn.nl



Progress Pellet Mill



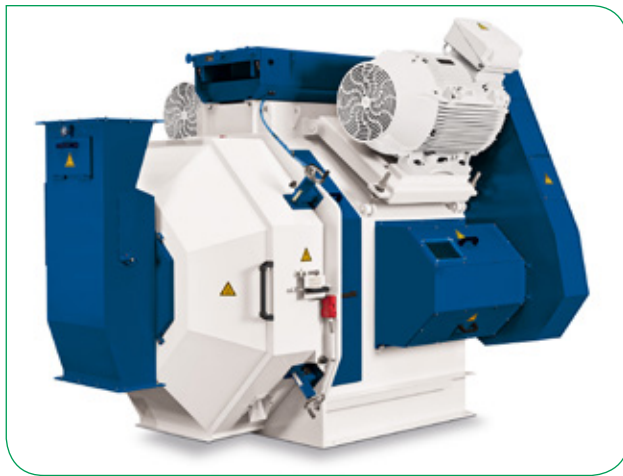
Specialist in Pelleting equipment

Progress Pellet Mill

General

PTN's pellet mill, a highly stable, robust and sophisticated pellet mill. More than 40 years of experience in development, engineering and production ensures quality and continuity. The partially patented innovations offer a unique price/performance ratio.

A 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.

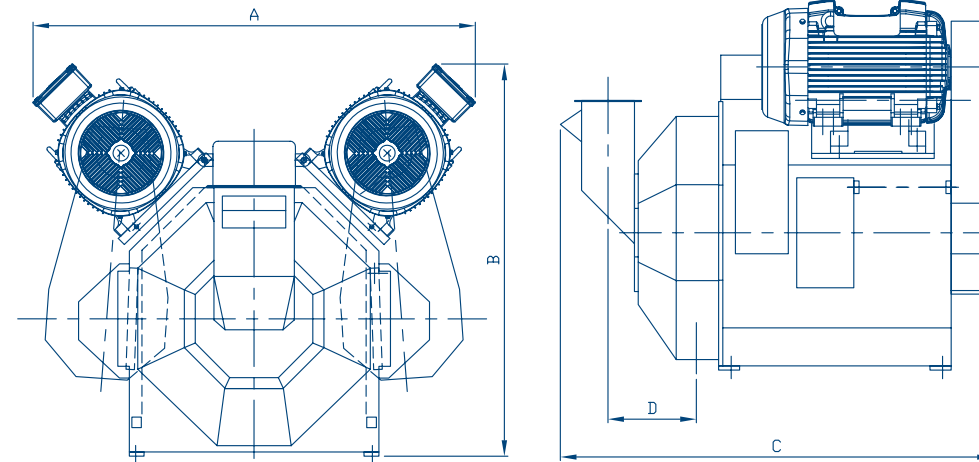


Advantages

- » Very stable, vibration-free and near-silent pellet mill.
- » Large die surface area and roller diameter.
- » Large motor powers.
- » Variable die speed.
- » Suitable as two- or three-roller pellet mill.
- » Longer lifetime of die and rollers.
- » Conical die fitting.
- » Central greasing system.
- » Longer lifetime of main shaft bearings.
- » Integrated pneumatic quick-dump chute.
- » Integrated hoist facility.
- » Minimal maintenance costs.
- » Easy to clean.
- » Simple design.
- » Central electrical connection box.

Specifications

- » Robust construction with integrated base plate.
- » Double-walled door, dust plate and quick-dump chute in stainless steel.
- » Solid main shaft with heavy duty spherical roller bearings.
- » Conical die holder and cast-iron pulley.
- » Two-stage transmission via V-belts to intermediate shafts and HTD timing belts to main shaft.
- » Die speed variable from 4,5 to maximum 8,0 m/s.
- » Speed sensor.
- » Available with two or three rollers.
- » Eccentric roller shafts.
- » Manual or remote roller adjustment.
- » Cutting knife, fixed on press frame.
- » Central greasing system with infrared sensor.
- » Shearpin protection at the rear.
- » Door and side covers with safety switch.
- » Hoisting facility for replacing die and rollers.



Type	Main motor ¹ (kW max.)	Number of rollers	Diameter rollers (mm)	Die dimensions			Dimensions in mm				Weight (kG)
				Internal (mm)	Width (mm)	Area (cm ²)	A	B	C	D	
580 x 146	2 x 75	2/3	265	580	146	2658	2100	1950	2048	418	5500
650 x 175	2 x 90	2	298	650	175	3571	2100	1950	2250	488	6000
700 x 190	2 x 90	2	315	700	190	4179	1980	1870	2224	483	6250
850 x 210	2 x 160	2/3	390	850	210	5605	2600	2300	2593	571	9000
900 x 228	2 x 160	2/3	408	900	228	6433	2600	2300	2633	591	9500
900 x 275	2 x 200	2/3	408	900	275	7771	2855	2450	3050	616	10.000
1000 x 300	2 x 200	2	456	1000	300	9420	3050	2725	3030	737	14.000
1100 x 380	2 x 250	2	500	1100	380	13.125	3050	2810	3645	1023	20.500

¹) Execution with two electric motors. Other specifications available on request.



Remote Roller Adjustment (ARA)

General

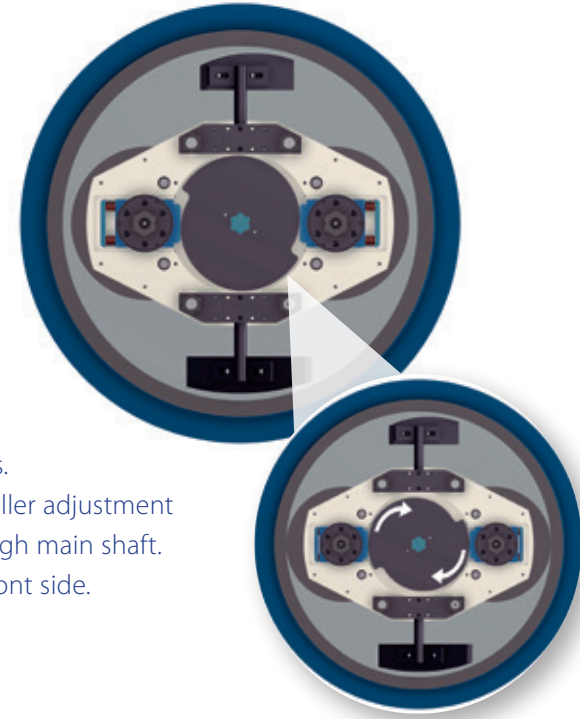
PTN's patented remote roller adjustment, in which hydraulic precision is combined with mechanical stability, increases the efficiency and simplifies the adjustment of the rollers during production. The eccentric roller shafts, in combination with the remote roller adjustment, extend the lifetime of dies and roller shells by up to 15%.

Advantages

- » Improved production efficiency.
- » No critical components in pellet chamber.
- » Longer lifetime of dies and roller shells.
- » Adjustment of rollers during production.
- » Rollers always in same position.
- » Accurate read-out and easy restart.

Specifications

- » Larger adjustment range of rollers.
- » Patented hydraulic/mechanical roller adjustment system with adjusting shaft through main shaft.
- » Cam disc on adjusting shaft on front side.
- » Hydraulic unit.
- » Analogue measuring system.
- » Read-out accurate to 0,1 mm.
- » Additional double shearpin protection on adjusting shaft.



Roller Traction Control (RTC)

General

PTN's innovative technology for an optimum, non-slip adjustment of the rollers during production. The roller traction control (RTC) extends the lifetime of dies and roller shells and increases the production efficiency.

Advantages

- » Optimum non-slip adjustment of rollers during production.
- » Improved production efficiency.
- » Longer lifetime of dies and roller shells.
- » Limiting risk of smearing rollers and die.
- » Better adjustment of steam and liquid dosing.
- » Optimum application of remote roller adjustment (ARA).
- » No critical components in pellet chamber.

Specifications

- » Measurement of roller speed via sensors.
- » Wireless measurement signal.