



FEED AND BIOFUEL

DESIGNED TO MAXIMIZE  
RELIABILITY AND EFFICIENCY

PALADIN PELLET MILLS

**ANDRITZ**

ENGINEERED SUCCESS

# Designed to maximize reliability and efficiency



Paladin 3000



Paladin 800



Paladin 2000

Developed from a design concept proven on more than 2,500 operating machines sold throughout the world, the Paladin pellet mill series continues to advance and offer reliability, maximum efficiency, and ease of operation and maintenance.

## STANDARD FEATURES ON PALADIN PELLET MILLS

- Rigid, durable construction for a variety of applications
- Two or three rolls
- Manual roll adjustment
- Taper fit die with auto-piloting effect for easy die change
- Left-hinged or right-hinged door provides access to the entire pellet chamber
- Rugged roller main shaft in two piece design, manufactured from high-quality stainless steel to withstand the harshest applications
- Hydraulic overload protection is standard for all models
- Safety systems stop the pellet mill immediately in the event of irregularities
- Two stage belt transmission

- Gravitational dump chute feeding system with incorporated pneumatic overload functionality

## OPTIONAL FEATURES FOR PALADIN PELLET MILLS

- Pellet chamber in double-wall sandwich construction with heat and noise insulation
- Automatic roll adjustment is available for certain models. The system allows additional distance between die and rolls. No hydraulic or electronic components inside the die cavity
- Automatic grease lubrication systems
- Built-in hoist with lifting tools for easy and safe die change and maintenance
- Computerized process control for the monitoring of all key parameters



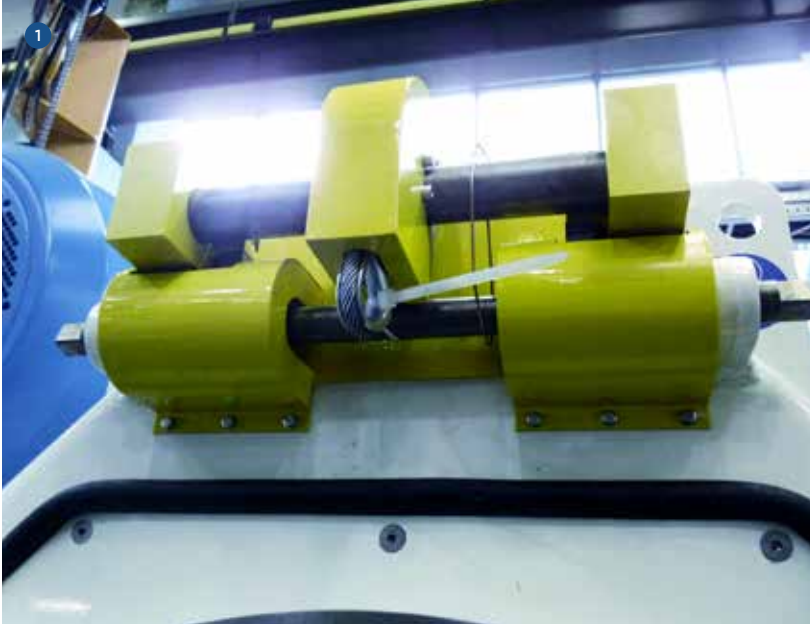




**PALADIN SERIES**

Our well-proven design concept offers reliability and maximum efficiency

# Features that make the difference



## 1 DIE HOIST

An integrated hoist facilitates the handling of dies, rolls, front plate, and rotary feed cone.

## 2 ROLL ADJUSTMENT SYSTEM

The system makes roll adjustment fast, easy, and very accurate. Standard Paladin pellet mills can have two or three rolls. Automatic roller adjustment only available two roll.

With the optional automatic roll adjustment system, roll gaps can be adjusted from the control desk, which provides the advantages of fast die change, infinitely variable readjustment during operation, and resetting without the risk of rolling over the die.

## 3 PELLET CHAMBER

The stainless steel pellet chamber door can be left-hinged or right-hinged to suit the installation. Adjustable, calibrated knives provide the required pellet length.

## 4 DOOR

The door is fitted with safety switches to prevent the machine being opened while it is running.

## 5 V-BELT DRIVE TRANSMISSION

Shock-absorbing V-belts form the first stage of the Paladin drive transmission with a hydraulic system for constant maintenance of the correct tension. Thus, slippage is eliminated, and the operational life of the V-belts is prolonged.

## 6 TWO-STAGE TWIN DRIVE

The patented Paladin two-stage drive system forms the basis of ideal transmission ratios. The combination of resilient V-belts and a high-torque toothed belt reduces the noise level and makes it possible to use standard electric motors and select a variety of die speeds.

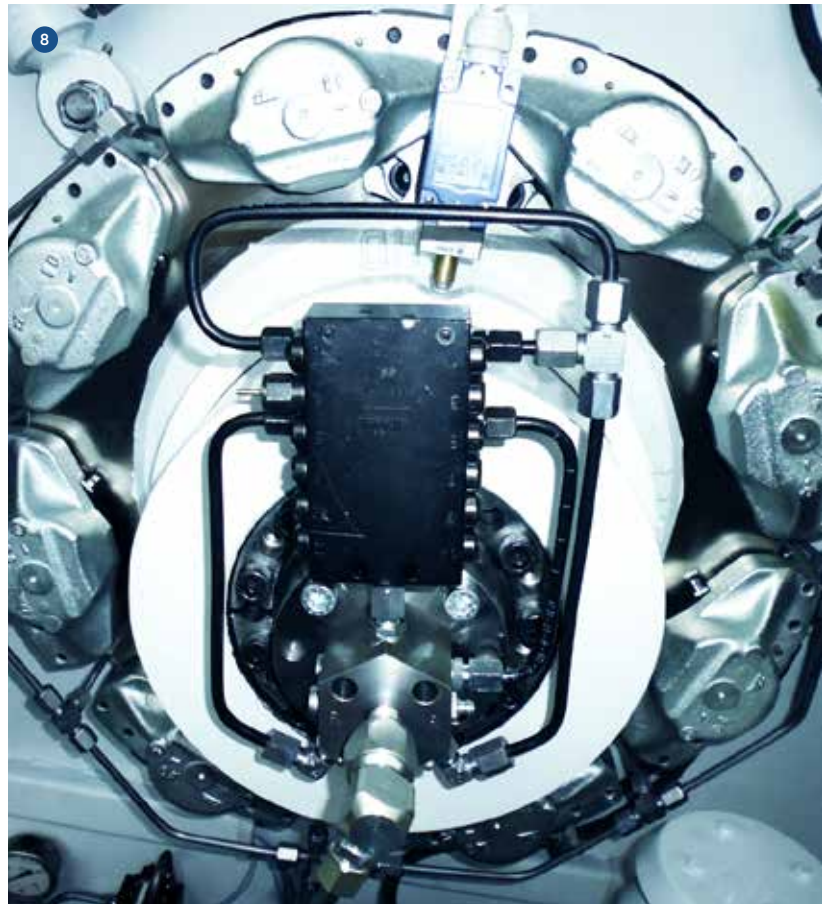
## 7 OVERLOAD PROTECTION

The die and roll assembly is protected by a hydraulic overload system, which stops the main motors in the event of an overload. Re-setting is quick and easy.

## 8 AUTOMATIC LUBRICATION

The Paladin series includes an automatic grease lubrication system to ensure that press rolls and main shaft bearings are lubricated with the correct amount of grease.





# Paladin Pellet mill series



## PALADIN PELLET MILL SERIES

Pellet mill	Die press dimensions				Press rolls			Speed 50 Hz	Max. power 50 Hz
	Width	Diam.	cm <sup>2</sup>	sq.in.	Std.	Diam.	Diam.		
Type								m/sec.	kW
Paladin 800-110	110	650	2300	357	3	298	298	5.4 - 6.0	2x90
Paladin 800-141	141	650	2900	450	3	298	298	5.4 - 6.0	2x90
Paladin 800-175	175	650	3600	558	3	298	298	5.4 - 6.0	2x90
Paladin 2000-200	200	880	5500	853	2	404	420 - Manual 405 - Auto	5.5 - 7.6	2x200
Paladin 2000-250	250	880	6900	1070	2/3*	404	420 - Manual 405 - Auto	5.5 - 7.6	2x200
Paladin 2000-300	300	880	8300	1287	2/3*	404	420 - Manual 405 - Auto	5.5 - 7.6	2x200
Paladin 3000-300	300	1000	9400	1457	2	-	490 - Manual 420 - Auto	6.0 - 9.0	2x250
Paladin 3000-350	350	1000	11000	1705	2	-	490 - Manual 420 - Auto	6.0 - 9.0	2x250
Paladin 3000-380	380	1100	13100	2031	2	-	510	6.0 - 9.0	2x250

\*Available with automatic roller adjustment





# Keep your business growing with our global service network

Our excellent aftermarket service and support is what sets us apart from our competitors. Our cooperation with our customers does not end with the sale – or the machine installation. The good customer relationship is extended through important after-sales service and support.

## OUR SERVICES

Our highly skilled and motivated employees stand ready to help you with:

- After-sales services, support, and follow-ups
- Spare and dweard parts, maintenance, and repairs
- Process optimization
- Training of plant operators

## FIELD SERVICES

We offer our customers excellent field services, where our service technicians come to you and your plant for assistance. The depth and experience of our field service specialists is unmatched – backed by the full knowledge and technical support that only the equipment manufacturer can provide.

## BENEFITS

There are several benefits to be gained from continuous upgrades, optimizations, and services on your equipment:

- Maximum production
- Process knowledge and experience
- Reliability and cost efficiency
- Reduced life cycle costs
- Short and effective shutdowns
- Improved energy efficiency



**GLOBAL SERVICE NETWORK**

Your ANDRITZ Aftermarket service and support



## GLOBAL SUPPLIER – LOCAL PRESENCE

With sales, service, engineering, manufacturing and production sites located all around the world, ANDRITZ Feed and Biofuel is truly a global organization with a local presence. ANDRITZ is vital to ensuring a reliable global supply of aqua feed, animal feed, pet food, and biofuel. With full process lines accounting for half the world's production of aqua feed and biomass alone, we continuously support leading producers in achieving the highest levels in safety, quality, and control from feedstock to final product.

How can we help grow your business?

### ANDRITZ Feed and Biofuel A/S

Glentevej 5-7  
6705 Esbjerg, Denmark  
p: +45 72 160 300  
andritz-fb.dk@andritz.com

#### AUSTRALIA

p: +61 3 8773 4888  
andritz-fb.au@andritz.com

#### CHINA

p: +86 21 5774 5781  
andritz-fb.cn@andritz.com

#### ITALY

p: +39 (0445) 575 695  
andritz-fb.it@andritz.com

#### TURKEY

p: +90 232 570 38 00  
andritz-fb.tr@andritz.com

#### BANGLADESH

p: +880 22 2226 4800  
andritz-fb.bd@andritz.com

#### DUBAI

p: +971 4 299 5555  
andritz-fb.uae@andritz.com

#### MEXICO

p: +52 443 323 1530 ext 364  
andritz-fb.mx@andritz.com

#### UK

p: +44 1482 825119  
andritz-fb.uk@andritz.com

#### BRAZIL

p: +55 47 3387 9146  
andritz-fb.br@andritz.com

#### FRANCE

p: +33 24 75 06 364  
andritz-fb.fr@andritz.com

#### NETHERLANDS

p: +31 40 2627777  
andritz-fb.nl@andritz.com

#### USA

p: +1 570 546 1253  
andritz-fb.us@andritz.com

#### CANADA

p: +1 519 676 7057  
anbosales@andritz.com

#### GERMANY

p: +49 2104 9197 0  
andritz-fb.de@andritz.com

#### POLAND

p: +48 60 906 1037  
andritz-fb.pl@andritz.com

#### VIETNAM

p: +84 8 6253 9434  
andritz-fb.vi@andritz.com

#### CHILE

p: +56 2 24624608  
andritz-fb.cl@andritz.com

#### INDIA

p: +91 87544 15287  
andritz-fb.india@andritz.com

#### SOUTH AFRICA

p: +27 82 781 0808  
andritz-fb.za@andritz.com

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