



FEED AND BIOFUEL

# PALADIN 3000W

FOR WASTE AND INDUSTRIAL  
LOW-DENSITY PELLETING APPLICATIONS

The Paladin 3000W offers enhanced features that make it the ideal choice for processors of waste and other low-density industrial pelleting applications.

Designed to reduce the occurrence of blockages, the Paladin comes equipped with an extra-wide feed inlet to keep low density products flowing. Manual roller adjustment

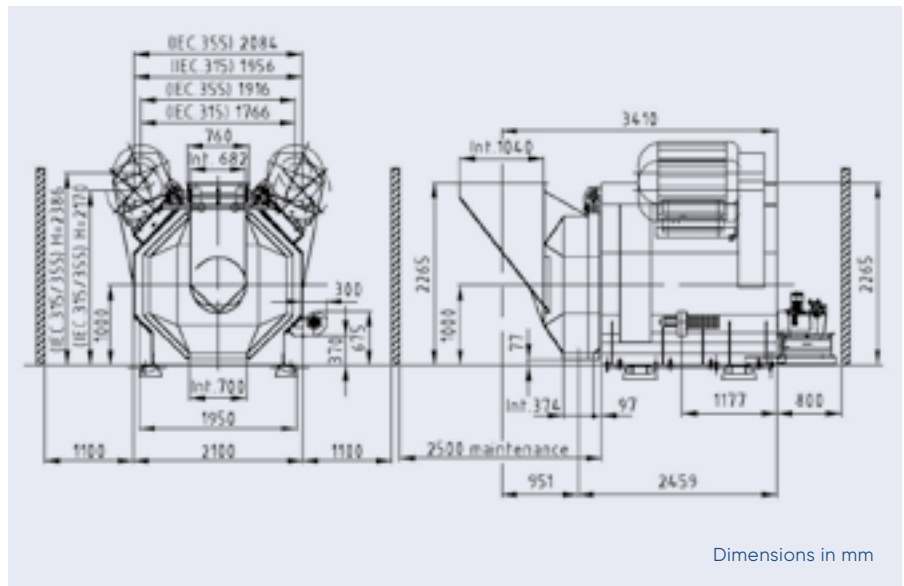
and the tapered die support an even distribution of materials while roller slip detection help to reveal the signs of a blockage before it happens. The hydraulic belt tensioning and a balanced, twin V-Belt drive provides superior overload protection, so there is less vibration, a quieter operation, and fewer costly interruptions in production.

In the event of a stoppage, the easy to open single hinged pellet chamber allows for quick interventions and the dual protection RPM and Zero-Speed door interlock system prevents accidents by ensuring safe access only after the die has stopped turning.

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ENGINEERED SUCCESS

Additionally, the use of hardened bearing steel extends the lifetime of roll shells, the controlled lubrication system helps preserve the life-time of the bearings, and the oversized main bearing helps to extend the life of the entire mill – a comprehensive approach to design that makes the Paladin 3000W easier to maintain and offers a lower overall cost of ownership.



## TECHNICAL DATA

### Paladin 3000W

Die inside diameter	Ø1000
Effective die width	300 mm
Effective press area	0,94 m <sup>2</sup>
Roller diameter	Ø490 mm
Maximum motor	2x250kW
Total weight (Incl. 2x250kW motor)	~22,500 kg
Hydraulic oil pump	0.37 kW /0.75 kW
Basic machine includes	CE - approval Dual stage belt transmission Pellet chamber with bolt on universal hinge and universal door lock assembly 2 cutting knives

### Gearing

Freq	Rotor	Die speed
50 & 60 Hz	115 - 170 rpm	6.0 - 9.0 m/s

\*Some of the low die speeds are not available for high output motors

### Features

Roll adjustment	2 roll manual or automatic adjustment
Lubrication	Automatic electrical or pneumatic system
Die crane	Hydraulically operated
Tool kit	Containing torque wrench, allen key, lifting tools etc
Control voltage	24 VDC
Ventilation	Fan mounted on the side
Belt tensioning	Hydraulic belt tensioning with overload protection

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