PRODUCT DATA SHEET · PELLET PRESSES

Pellet Mini-Complex R500

Sawdust & biomass pelletizing line · Flat die

Manufacturer: **BS Bollareto Engineering (Italy)**



OUTPUT	PELLET Ø	INSTALLED POWER	DIE
up to 900 kg/h	**6 · 8 · 10 · 14 mm**	**55 kW**	**Flat, Ø 500 mm**

STARTING PRICE

from € 85.000

This is the starting price of the base configuration. The final price depends on the configuration you choose — capacity, dies, automation, accessories, installation and commissioning. Contact us for a quotation tailored to your project.





TECHNICAL SPECIFICATIONS

Output	up to 900 kg/h (depends on raw material and die hole size)
Die type	Fixed flat die, Ø 500 mm, 2/3 rotating rollers
Roller diameter	230 mm
Pellet diameter	6, 8, 10, 14 mm
Pellet length	15–30 mm, adjustable
Main motor	1 × 55 kW, frequency converter, 2 steps, 730 rpm
Total installed power	55 kW
Power supply	3-phase 400 V, 50 Hz; coils 24 V / 230 V (±5%)
Dimensions (L×W×H)	7500 × 2500 × 3000 mm
Weight	3500 kg
Raw material moisture	10–14%
Raw material size	3–5 mm
Pellet density	up to 1250 kg/m³
Bulk density (big-bag)	up to 700 kg/m³

STANDARD CONFIGURATION

- 0.4 m³ hopper with feed screw and anti-stress system
- Mini screw for additives (lignin, dextrin, bran, etc.)
- Automatic press lubrication system
- R500 pellet press with fixed flat die and 2/3 rotating rollers (Timken bearings)
- Vibrating screen
- Dust extraction system
- Pellet conveyor belt with dust extraction
- Electrical control panel, inverter, 2-step frequency converter, 10 m 3-phase cable

OPTIONAL EQUIPMENT

- Steam generator
- Industrial PLC & HMI automation
- Raw material humidification system
- 3 m³ homogenization silo with dosing screw
- 3 m³ pellet cooler with conveyor belt
- Manual or automatic roller greasing
- Spare rollers and flat dies 6–14 mm
- Semi-automatic bagging (bags or big-bags)
- Hammer mill for straw
- Straw bale / branch shredding complexes
- Aerodynamic dryer for straw or sawdust
- BriqTech mechanical briquetting press

RAW MATERIALS PROCESSED

Wood sawdust (3–5 mm), other biomass waste, manure and other compostable agricultural waste. Each raw material requires a specific die taper and size.

up to 5 years

Warranty: 2 years manufacturer warranty plus an additional Agro Bio Brichet extended warranty of up to 3 years for eligible products. Rapid service intervention, spare parts in stock. Eligible for EU-funded investment programmes.

Output figures depend on the raw material, its moisture and particle size, and the die hole diameter. Specifications may change without notice; full details at **shop.agrobiobrichet.ro/presa-peleti/minicomplex-presa-peleti-rumegus-r500**