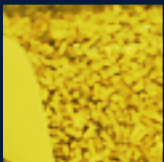




**EASYPACK**  
**AUTOMATION**

# STRAW, GRASS & BIOMASS PELLETING SYSTEMS

[www.easypackautomation.com](http://www.easypackautomation.com)



Technical parameters:

- Equipment capacity - up to 1300kg of pellets per hour, with straw humidity up to 15%;
- The production process has no waste.
- System is equipped with the highest quality ring dies and rollers made by Graf in Germany.
- Installed capacity for the equipment set - 199 to 219kw. Actual electricity consumption - 140 - 170kWh.
- Personnel required to work with the equipment - 1-2 per shift;
- Equipment dimensions if positioned in one line: length 24m, height 6m, width 6m;
- Other bespoke layouts can be designed to fit your specific needs.

1. Conveyor for straw bales (round, square) to supply shredder. Transports compressed bales or other forms of straw, grass bales to the shredder.

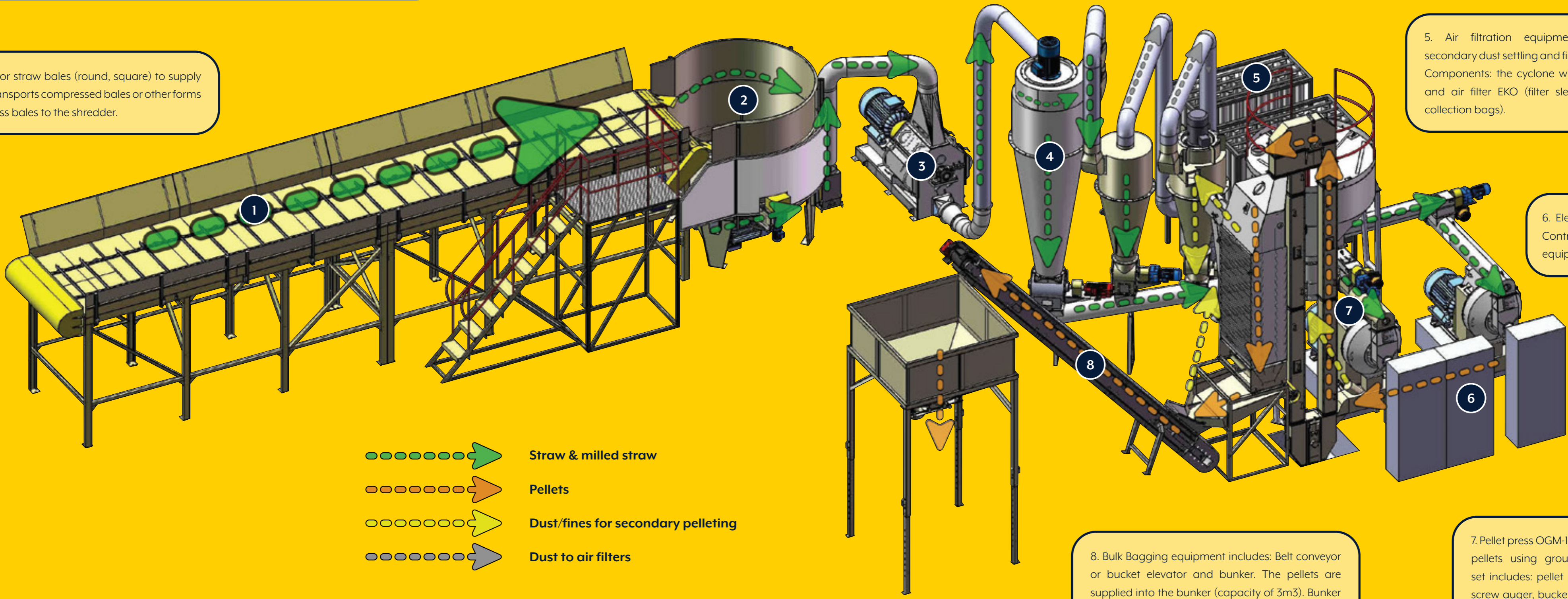
2. Shredder/Chopper. Shreds/chops straw bales and supply shredded material into hammer mill.

3. Hammer mill with stone catcher. Grinds various types of chopped straw down to 1-5mm fraction (various types of screens can be used to get different fraction). Stone catcher is mounted before hammer mill intake and prevents from large-sized waste entry into the hammer mill.

4. Cyclone with rotary valve. Cyclone with rotary valve puts ground raw material and dust to the screw auger.

5. Air filtration equipment. Used for secondary dust settling and final air cleaning. Components: the cyclone with rotary valve and air filter EKO (filter sleeves and dust collection bags).

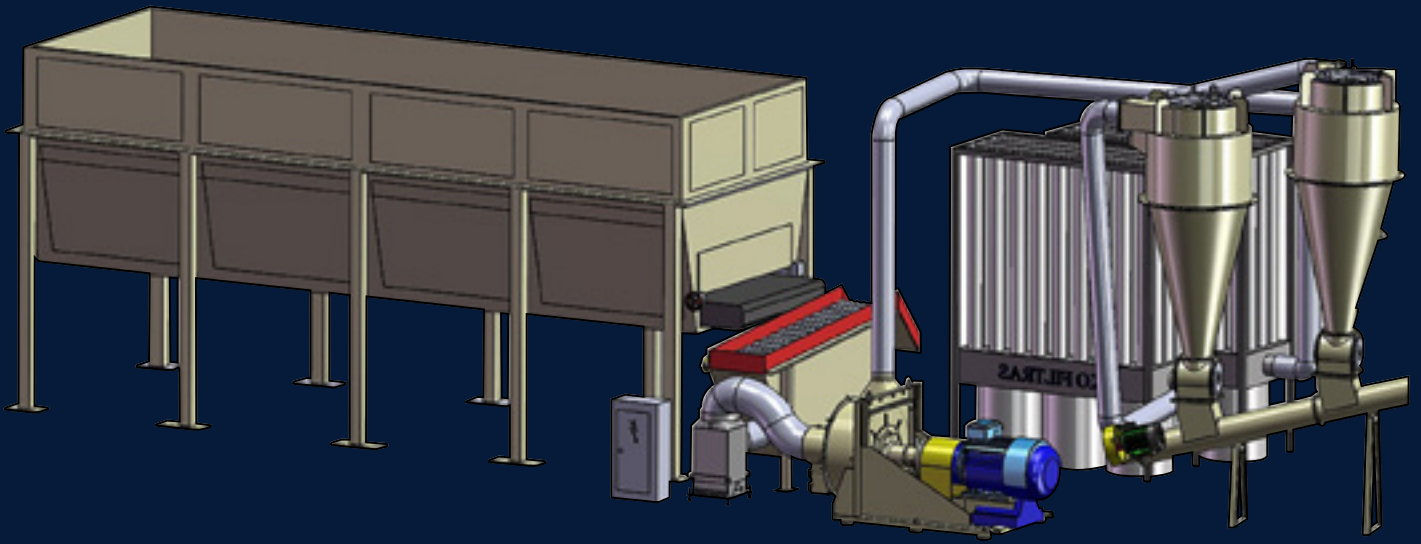
6. Electricity control boxes (2 units). Controls all the processes of the equipment set. Manual or automatic



- Straw & milled straw
- Pellets
- Dust/fines for secondary pelleting
- Dust to air filters

8. Bulk Bagging equipment includes: Belt conveyor or bucket elevator and bunker. The pellets are supplied into the bunker (capacity of 3m<sup>3</sup>). Bunker has a manual slide door and electronic platform scales (weights are shown on electronic display).

7. Pellet press OGM-1, 5AS (equipment set). Produces pellets using ground raw material. Equipment set includes: pellet press with ring die and rollers, screw auger, bucket, mixer, elevator, cooler, sieves, cyclone, filter EKO, water supply system and automatic roller lubrication system.



Wood / chopped biomass feed stock options

15 cubic meter hopper with chain and slat floor

Floor speed controlled with an inverter drive

Adjustable front gate for optimum product delivery

Star screen for oversized product removal

Cross auger to stone trap for foreign object removal



## Pellets are used as:



Combined heat and power units



Automated biomass boilers



Equine bedding - straw/wood



Bedding for broiler units



Animal feed pellets

As fertilisers - digestate/chicken manure As an absorbent for industrial filters;



To collect and remove oil from surface spills

For the production of heat insulating building materials;



For the production of porous bricks.

## GET IN TOUCH

EasyPack Automation  
Tickfold Farm  
Kingsfold  
Horsham  
West Sussex  
RH12 3SE

Tel. 01306 627654  
info@easypackautomation.com  
www.easypackautomation.com

