

1. Brief Description of the Production Line and Products

This equipment is designed for the production of molded pulp egg packaging.

Available mold sets include trays for:

- 20- and 20A-cavity egg tray pads
- 10-egg carton containers (cardboard type)

Actual production capacity:

- 2,000,000 pieces of 30-cavity egg tray pads or
- 1,500,000 ten-egg carton containers.

All necessary main and auxiliary equipment is included for the production of various types of molded pulp packaging.

1. Production Description

The production complex consists of the following components:

1. Pulp preparation line
2. Molding line
3. Drying line
4. Trimming/Pressing section
5. Gluing/Labelling section

The pulp preparation line includes:

- 1.1. Hydropulper
- 1.2. Vibrating screen
- 1.3. Mixing tanks with paddles – 3 pcs
- 1.4. Water buffer tank – 1 pc
- 1.5. Pulp refining separators – 2 pcs
- 1.6. Pulp transfer pumps – 4 pcs

The molding line includes:

- 2.1. Molding machine
- 2.2. Vacuum pump
- 2.3. Air compressor
- 2.4. Air receiver
- 2.5. Pumps for clean water supply, dirty water discharge, receiver discharge, and high-pressure pump

The drying line includes:

- 3.1. Gas burner
- 3.2. Multi-layer tray drying system
- 3.3. Hot air supply chamber
- 3.4. Exhaust system
- 3.5. Recirculation system

Trimming/Pressing section (*used only for 10-egg cartons*) includes:

- 4.1. 4-cavity final pressing machine – 2 pcs
- 4.2. Backup 2-cavity final pressing machine – 2 pcs

Gluing/Labelling section

- 5.1. Labelling machines (for 10-egg cartons) – 2 pcs

3. Equipment Cost

- 3.1. Full equipment set for tray production – €390,000
- 3.2. Labelling machines (2 pcs) – €120,000

4. Data for Product Cost Calculation

Daily output: 77,000 units

Monthly output (25 working days): 1,925,000 units

Product weight (g): 55

Waste paper consumption per shift (kg): 2,117.5

Waste paper consumption per day (kg): 4,235

Waste paper consumption per month (kg): 105,875

Electricity per day (kWh): 2,000

Electricity per month (kWh): 52,000

Gas per day (m³): 900

Gas per month (m³): 30,000

Labeling: Only for 10-egg carton

Number of workers per shift

Pulp preparation: 1 person

Molding machine operator: 1 person

Tray collection on conveyor: 2 people

Thermo-press section: 3 people (*only for 10-egg carton*)

Labelling operators: 2 people

Maintenance technician/electrician: 1 person

Packaging: Pallets and stretch film

5. Versatile Production with Rotary Molding Machines

In addition to egg trays, our rotary molding machines can produce:

- Fruit trays
- Bottle and cup carriers
- Shoe inserts
- Electronic packaging
- Medical trays
- Disposable tableware
- Seedling pots
- Protective packaging for transport

Ideal for sustainable, molded fiber solutions across various industries.

30 cell egg tray



10 cell egg carton



6 cell egg carton



Quail egg tray



Berry punnets



Bottle tray



Cup carriers

