



Molding machines

- Long life span, durability and stable production are the main features of our molding machines.
- Range of production capacity $\pm 3\%$:
 - ECPS series: 600 – 900 trays per hour.
 - ECPM series: 1000 – 1700 trays per hour.
 - ECPL series: 1800 – 2200 trays per hour.
- Production area:
 - ECPS: 150m².
 - ECPM: 180m².
 - ECPL: 200m².



Vacuum pumps

- A specially tuned pumps for our machines with superior quality to give best performance.
- Equipped by a stainless steel chiller for cooling.
- A returned water pump with a stainless steel head.
- Heavy duty and long life span.

All mentioned features can be affected by the quality of water and type of usage.



Control and protection panel

- Precise and heavy duty programmable logic controller (PLC) from the world class manufacturer Schneider.
- Industrial 10.1" inch touch screen controls the machine operations, modifying parameters and addressing faults.
- Connected motors have a thermal and magnetic protection relays.
- The control panel is equipped with a phase fail protection attribute which make it able to disable the motors to prevent motor damage.



Dryer characteristics

- Completely isolated metal body.
- Heavy duty air turbine with high temperature endurance.
- Unique movement mechanism.
- 110 transfer trays with 10 spare by default.
- Italian made burner (diesel – LPG or used oil).

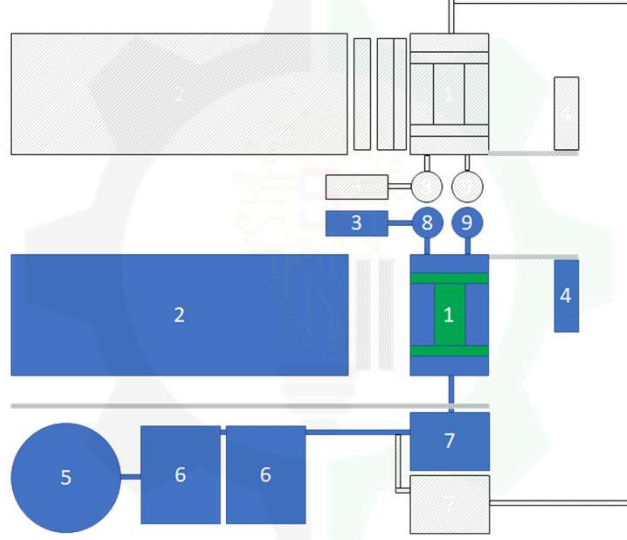
All mentioned features can be affected by type of usage and maintenance.



Pulp preparation section

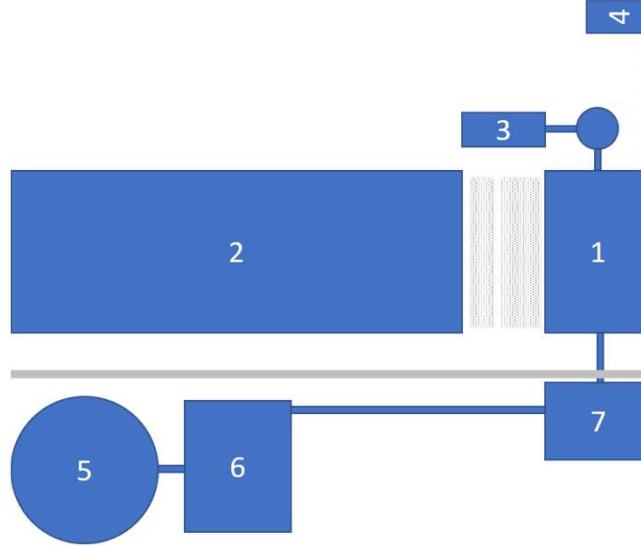
- Stainless steel enforced pulper with high capacity.
- Heavy duty horizontal mixer(s).
- Equipped with vertical mixer.
- Stainless steel pulper blade.
- Stainless steel pulper tray.
- High performance pulp extraction pump with stainless steel head.
- Equipped with electrical panel for protection and control.

All mentioned features can be affected by type of usage and maintenance.



Dual lines explanation

- ECPx series are capable to use DUAL LINES feature.
- With DUAL LINES FEATURE you will gain the ability of installing two production lines relying on a common infrastructure (a higher pulper capacity with an extra mixer, extra vertical mixer and a higher air compressor capacity), by this method you won't lose the whole production capacity in case one of the machines has stopped for some reason.



Facility schematic

1. Molding machine.
2. Metal dryer.
3. Vacuum group.
4. Control panel.
5. Pulper.
6. Primary pulp tank.
7. Secondary pulp tank.

Required resources by machine model

Model	Water required (Recyclable)	Electricity	Workers	Production area
ECPS-600E	3m ³	65kW	2-3 per shift	150m ²
ECPS-900E	4m ³	75kW	2-3 per shift	150m ²
ECPM-1200E	5m ³	110kW	2-3 per shift	180m ²
ECPM-1500E	6m ³	140kW	2-3 per shift	180m ²
ECPL-1800E	7m ³	160kW	3-4 per shift	200m ²
ECPL-2000E	8m ³	180kW	3-4 per shift	200m ²
ECPL-2200E	9m ³	200kW	3-4 per shift	200m ²

Approximate 100 trays production cost*

Electricity	Diesel	Waste paper	Workers	Packaging	Additional expenses
5.8 kW	2.6 liter	8.5 kg	0.3\$	0.1\$	0.18\$

This is an approximate costs and it may vary according to each country or region.

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Warranty and spare parts list

- **Warranty is one year against manufacturing faults (except for engines) and any modification or change in the machine's specifications without the manufacturer's approval cancels the warranty.**
- The customer is provided with a list of spare parts to ensure the speed of repairing faults in the event they occur, and it shall consist of:
 - 1 air valve.
 - 1 air valve spare part.
 - 1 hydraulic piston.
 - 4 electronic sensors.
 - 1 motor circuit breakers.
 - 2 electric relays.
 - 1 set of molds steel wire mesh.

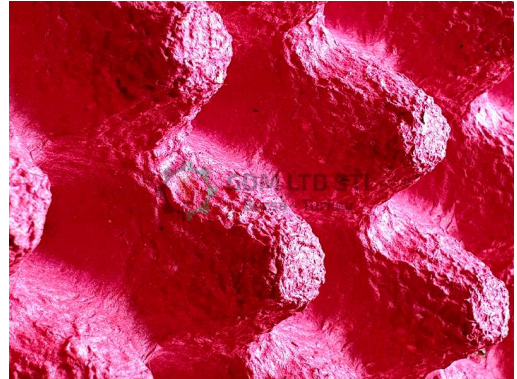
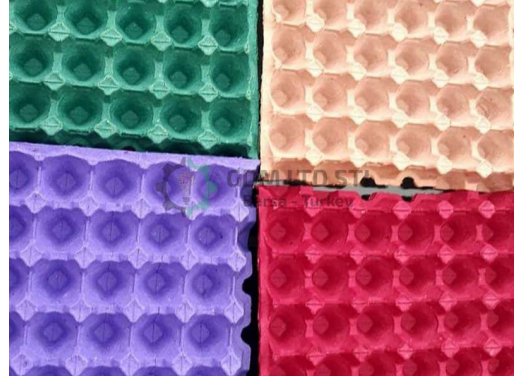
Requirements fall on the responsibility of the customer

1. Cement base for the dryer and the molding machine. The buyer is directed by the manufacturer to the implementation scheme and must be adhered to.
2. Pulper base and cement tanks, and the buyer is directed by the manufacturer to the implementation plan, and it must be adhered to.
3. Supplying the equipment with an electrical source according to the manufacturer's directions, and its specifications must be according to the machine model.
4. A diesel fuel line arrives at the burner installation area.
5. All plumbing works necessary for the project.
6. A technician to be trained during the installation and operation process.
7. Winches required for loading, transporting and moving equipment.
8. Ordinary workers to help with installation work, the number of three workers.
9. Visa (if necessary) for the expert who will be sent by the manufacturer to carry out the installation process.
10. Airline ticket and hotel reservation for the expert sent by the manufacturer.

Photo gallery 1



Photo gallery 2



About GDM LTD STI

- **Company name:** GDM KALIP MAKINALARI LTD STI.
- **Field of activity:** egg tray molding machines, paper recycling systems, molds and etc.
- **Company address:** Kayapa OSB, Sarı 530 Cad. No: 31/B blok – Nilüfer – Bursa / Turkey.
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- **About GDM:** Our company has been in this field since 1979 with the goal of achieving world class standards. We constantly update our products based on science, experience and customer feedback. We follow the principle that “our success depends on our customer’s success”.

**GDM LTD STI**
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