



Flexible stand-up pouch packaging for liquids, powders and granules is increasingly popular.

The DOYPACK® flexible stand-up pouch packaging system was invented and developed by THIMONNIER and is ideal for the requirements of today's markets. After use, the empty packaging takes a minimum amount of space, unlike other rigid and semi-rigid containers.

The DOYPACK® stand-up pouch ensures maximum product protection, cuts distribution costs and improves merchandising impact.

To meet the demands of this market, THIMONNIER has developed the compact filling machine which can be used to pack many types of products in DOYPACK® stand-up pouches, or in four-side sealed pouches from 0.1 to 2 liters in volume.

The **THD 800** has been optimized to especially meet your requirements (cleanability, adaptability in filling or sealing, maintenance, etc ...).

## APPLICATIONS

### 1. Food industry

Drinks, fruit juices, milk, cooking oil and dairy products, sauces, soups, prepared meals, purees, jams, pickles, coffee, olives, snacks, sugar, sea products as well as moistened pet-food, etc.

### 2. Non-food industry

Detergents, softeners, cosmetics, motor oil, paints, chemicals, inks, liquid soaps, creams, shampoos, etc...



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## OPERATION

The **THD 800** machine fills and seals a large range of preformed pouches, with or without reclosure cap, stacked in a magazine.

Thanks to a vacuum suction device, pouches are transferred from magazine to a 8-stations rotary turret.

Through out this carrousel, pouches are firmly hold by grippers and conveyed through the successive stations for opening, checking, filling, sealing, seal cooling and discharging.

The 8-stations allow a large range of optional operations such as : in-line fitment sealing, steam or gas flushing, foam breaking, etc...

The **THD 800** machine is designed for quick and operator-friendly change-overs when it comes to pouch dimensions.

The same machine can be set easily in the «MONO» operation (1 pouch per cycle) or in the «DUO» operation (2 pouches per cycle).

The machine produces up to 120 pouches/min.

## MACHINE DESIGN

The **THD 800** machine is especially designs to work in very tough conditions. It has a very strong welded steel frame covered by stainless steel body.

A particular care on the cleanability of the production enclosure was taken to satisfy the sanitary standards. The machine has been designed so that no sensitive part will come into contact with the product during production.

Wide transparent doors fitted with safety systems facilitate operator access to the different workstations.

An integrated PLC (with different languages) and advanced electronics ensure precise performance and functional repeatability, with simple operator controls. A 100 programmes storage capacity promotes rapid change-overs.

## TECHNICAL SPECIFICATIONS

	THD 800	
Bags dimensions (mm)	MONO	DUO
W x L mini	100 x 100	60 x 100
W x L maxi	210 x 300	105 x 300
Output (up to)	60 p/min.	120 p/min.
Bag volume (mini-maxi)	0,1 L - 2L	0,1 L - 0,25L

### Machine dimensions :

overall height (without dosing system) = 1 860 mm  
width = 2 110 mm - length = 2 900 mm

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## OUTPUT

Mechanical speed can be continuously adjusted between 10 and 60 cycles per minute. Production speed can be adjusted according to pouch capacity and product volume. Cycle rate is permanently displayed on the control screen.

## OPTIONS

- Date printing (embossing or ink jet)
- Inert gas injection/steam injection
- Deflater
- Liquid/viscous dosing system (gravity/pumps/magnetic or mass flow-meter)
- Solid dosing system/weigher/auger filler/rotating cups
- In-line pouch testers
- Ultra-clean machine

## POWER SUPPLIES

**Electricity :** 400 Volts + N, 3-phases - 50 Hz  
P = 7 kVA - Other voltages or frequency on request.

**Compressed air:** Network pressure = 7 to 9 bars  
Inlet pressure = 6 bars  
Consumption : Q = 25 to 30 Nm<sup>3</sup>/h

**Cooling water:** Inlet pressure = 1 to 3 kg/cm<sup>3</sup>  
Consumption : Q = 100 litres/h - Drain outlet.

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