



## FILLING AND SEALING MACHINES FOR DOYPACK® STAND-UP POUCHES

## TD 1000



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.

To meet the demands of this new market, THIMONNIER has developed a range of filling machines 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 5 L in volume.

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

## APPLICATIONS

### 1. Food industry

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

### 2. Non-food industry

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

## OPERATION

The TD machines fill and seal 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 12-stations rotary turret. Through out his carrousel, pouches are firmly hold by grippers and conveyed through the successive stations for opening, checking, filling, sealing seal cooling and discharging.



The 12 stations allow a large range of optional operations such as: **in-line fitment sealing, steam or gas flushing, foam breaking, handle punching**, etc.

The TD machines are built as **"MONO"** type or **"DUO"** type handling respectively 1 ou 2 bags per cycle, thus having a capacity ranging **up to 100 bags/min.**

# Thimonnier





## MACHINE DESIGN

The TD machines, designed to work in very tough and aggressive ambience, have a very strong welded steel frame covered by stainless steel body.

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 and advanced electronics ensure precise performance and functional repeatability, with simple operator controls. A 15 programmes storage capacity promotes rapid change-overs.



## OUTPUT

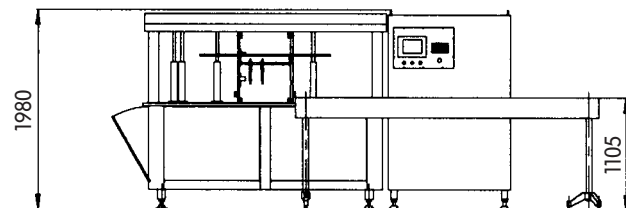
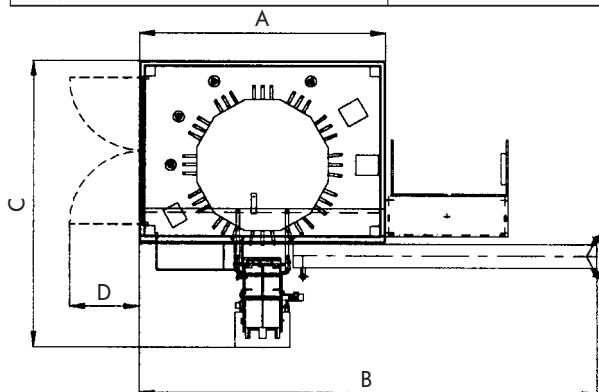
Mechanical speed can be continuously adjusted between 10 and 60 cycles per minute. Production speed can be adjusted according to pouch capacity and product volume. Cycle rate is permanently displayed on the control screen.

## OPTIONS

- Automatic in-line fitment sealing
- Date printing (embossing or ink jet)
- Inert gas injection/ steam injection
- Deflater
- Liquid/viscous dosing system (gravity/pumps/ magnetic flow-meter)
- Solid dosing system/weigher/ auger filler/ rotating cups
- In-line pouch testers
- Handle punching
- Ultrasonic sealing
- 2nd sealing device

## TECHNICAL SPECIFICATIONS

		TD 1000	
		MONO	DUO
Bags dimensions (mm) W x L	mini	130 x 150	100 x 150
	maxi	320 x 350	160 x 300
Output (up to)		50 p/min.	100 p/min.
Bag volume (mini-maxi)		0,2L-5L	0,2L-1L



	TD 1000
A	2470
B	4540
C	3760
D	685

## POWER SUPPLIES

**Electricity:** 230/400 v + N, 3-phases, 50 Hz, Supply = 7kVA (Other voltages or frequency on request).

**Compressed air:** Network pressure : 7 to 9 bars. Required effective pressure : 6 bars. Consumption Q = 35 Nm<sup>3</sup>/hour.

**Cooling water:** Inlet pressure : 1 to 3 kg/cm<sup>2</sup>. Consumption : Q = 250 l/h - Drain outlet.

### Thimonnier 5 manufacturing divisions

- 1 - Industrial bag-stitching machines : sac-up
- 2 - Impulse and thermal sealing machines
- 3 - High frequency sealing machines

- 4 - Packaging of liquid and viscous products in pouches
- 5 - Packaging in stand-up pouches, "Doypack" type

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