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**Filler Sealer  
for Doypack® Pouches**

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**TD 500**



Ever since Thimonnier developed the Doypack® pouch, we have continued to improve our pouch making and filling machines.

The TD500 has been designed in this spirit with a combination of operational simplicity and reliability.

The TD 500 is ideally suited for marketing tests and/or start up production.

## APPLICATIONS

**1. Food industry :**

Fruit juices, milk, dairy products, cooking oil, soups, sauces, purees, semi moist pet foods, etc.

**2. Chemical industry, detergente :**

Detergents and softeners, concentrates, powders or liquids.

**3. Cosmetic and pharmaceutical industries :**

Liquid soap, cream, shampoos, sterile water etc.

**4. Solid products :**

Birdseed and similar seed types.



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## OPERATION

The TD 500 will fill and heat-seal all types of pre-formed pouches fed from a magazine. Transfer of the pouches from the magazine is effected by vacuum cups with positioning into the holding grippers. Opening of the grippers is by a pneumatically operated cam.

The TD 500 has 5 stations including 1 filling station, 1 heat sealing station and 1 seal cooling / pouch ejection.

All types of dosing and filling can be synchronised with the TD 500.



## CONSTRUCTION

The TD 500 has a very strong frame with a stainless steel cover.

The rotary turret is driven by an electric motor coupled to an indexer. The machine is designed so that the product never comes into contact with any sensitive parts. An Allen Bradley PLC with operator panel allows synchronization of the different movements not linked to the main drive.

## LAYOUT

Machine dimensions	
L x W	1210 x 1000 mm
Height	2000 mm
Weight	650 kg

## POWER SUPPLIES

**Electricity :** 400V, 3-phase + N, 50 Hz

Other tension/frequency on request.

**Compressed air :**

Supply pressure = 7 à 9 bars

Operating pressure = 6 bars

Consumption = 30 Nm<sup>3</sup>/h

**Cooling water :**

Inlet pressure = 1 to 3 kg/cm<sup>2</sup>

Consumption = 100 litres/h – Drain outlet.

## OPTIONS

- Marking of date by pressure system.
- Dosing for liquid or viscous products (gravity/pumps).
- Dosing for solid products (volumetric filler, multi-head weigher).
- Gas flushing.
- Size parts for change of pouch size.

## CHARACTERISTICS

Bag sizes (mm)		
L x H	Mini	90 x 100
	Maxi	160 x 260
Speeds up to		20 pouches/min
Volume (mini-maxi)		200 ml to 1000 ml

# Thimonnier

5 manufacturing divisions

- 1 – Industrial bag-stitching machines : sac-up    4 – Packaging of liquid and viscous products in pouches  
 2 – Impulse and thermal sealing machines    5 – Packaging in stand-up pouches "Doypack"® type  
 3 – High frequency sealing machines

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