

ERMEST

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THE BOARDING EXPERTS

INNOVATIONS Since 1995

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Technical Data

Capacity of 28 forms for socks or half hose. The socks are processed by pairs. The machine can also work step by step. In this case, each sock is processed twice..
Maximum production : 750 pairs per hour.

The machine has several positions :

- steam treatment chamber up to 3 bars
- drying with hot air circulation (capacity of 6 forms, up to 180°C)
- finishing press (2 forms, up to 180°C, adjustable force up to 3000 N with compressed air under 6 bars
- automatic stripper and stacking
- form substitution assistance

All adjustments accessible from the display.

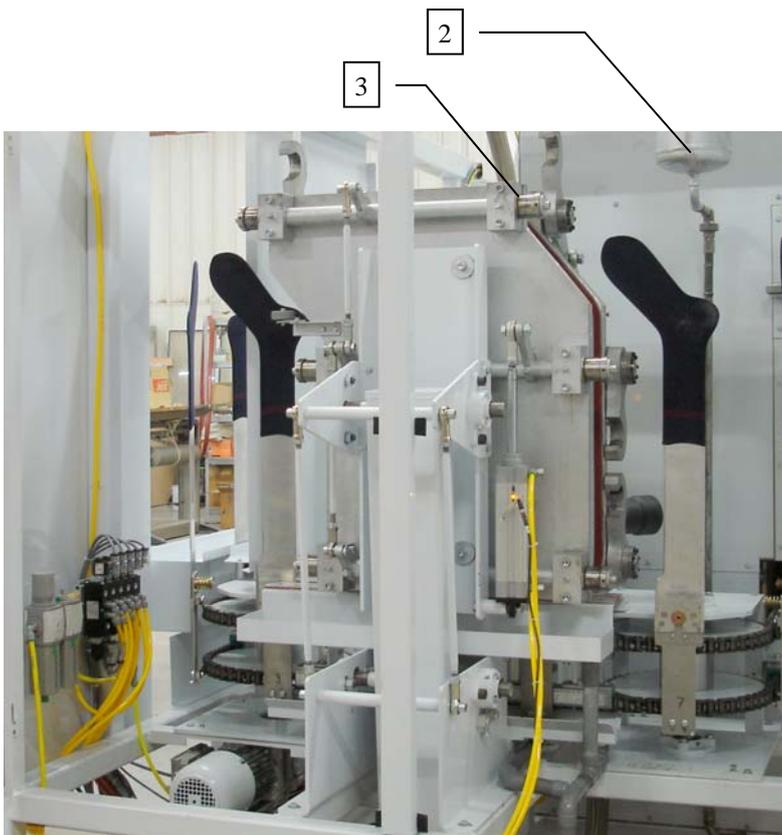
Steam treatment up to 3 bars with uniform steam distribution and visual check of the pressure (1).

The machine is delivered with a pre-fitted water separator (2).

Steam inlet with a 40 ND pipe.

Tightness ensured with controlled eccentrics (3)

Pressure adjustment manual or automatic. Temperature may be controlled from the display.



Drying with hot air circulation available in 3 versions

- with electric resistances
- a steam exchanger
- a steam exchanger + electric resistances

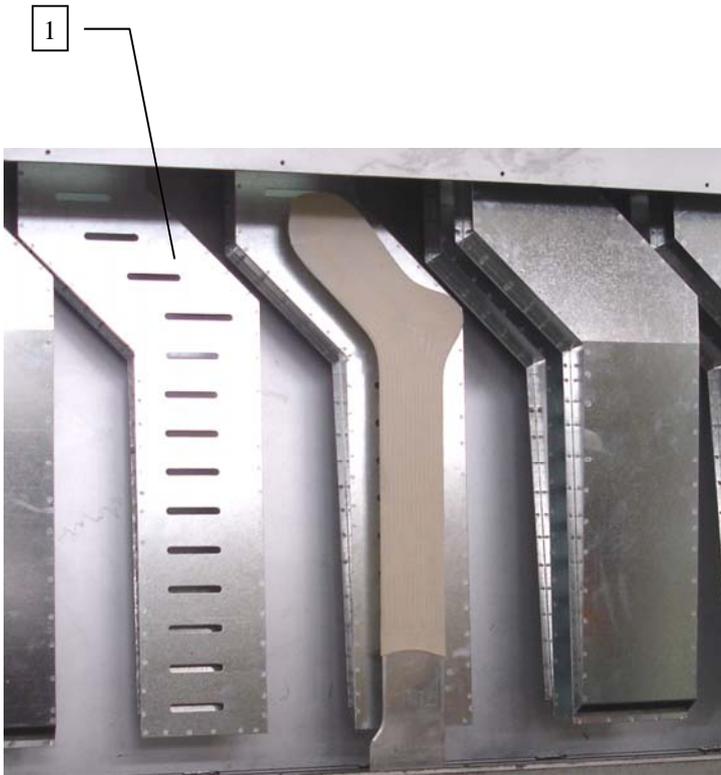
The dryer is fitted with blowing nozzles (1) canalising the air flow very close to the sock.

Drying temperature adjustable up to 180°C.

The dryer is insulated with a very thick rock wool layer.

Openings are reduced to the minimum with flaps (2) in order to reduce the loss of hot air to the maximum.

A filter (3) collects dust and fluff.

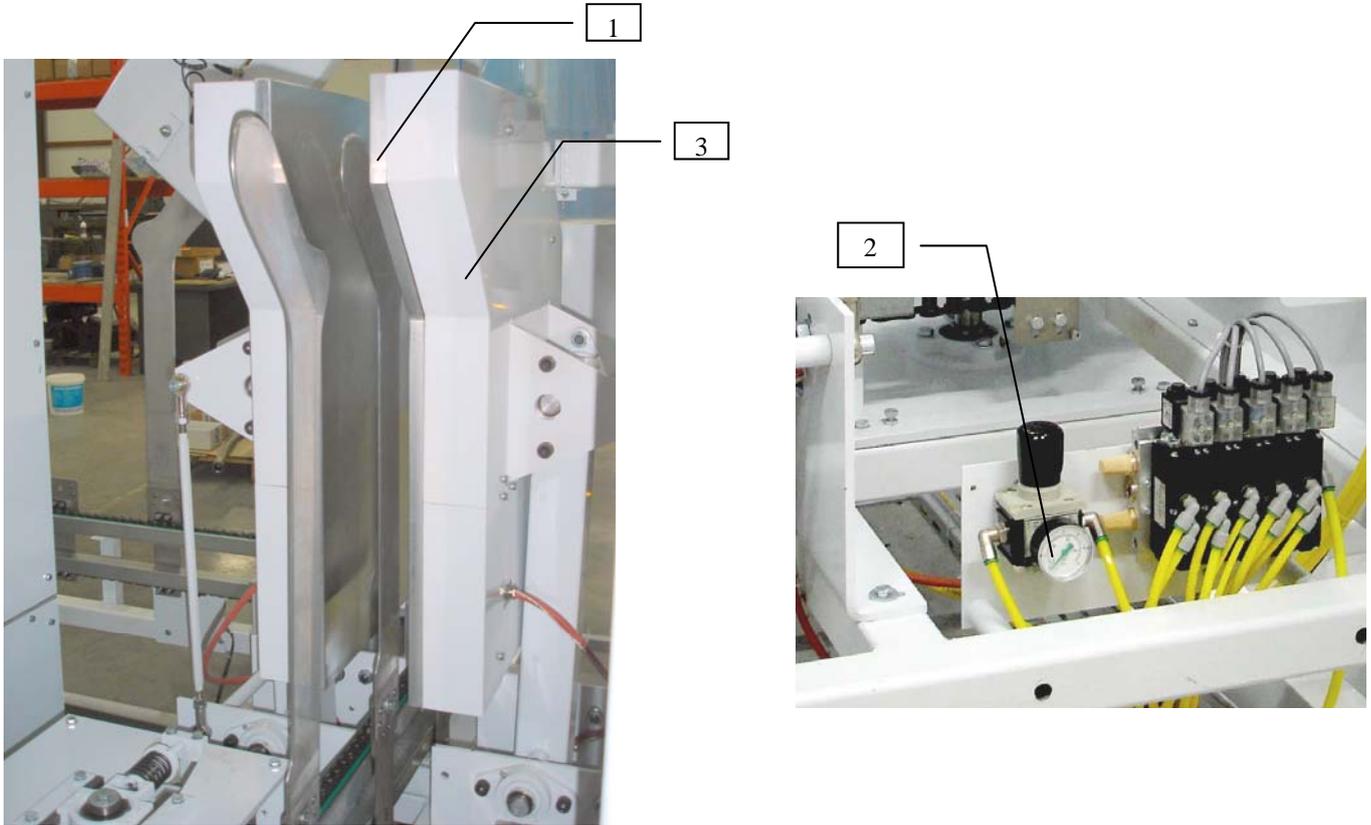


The finishing press is composed of two mobile plates (1) made of 20 mm thick aluminium giving much rigidity combined with good thermal conductivity.

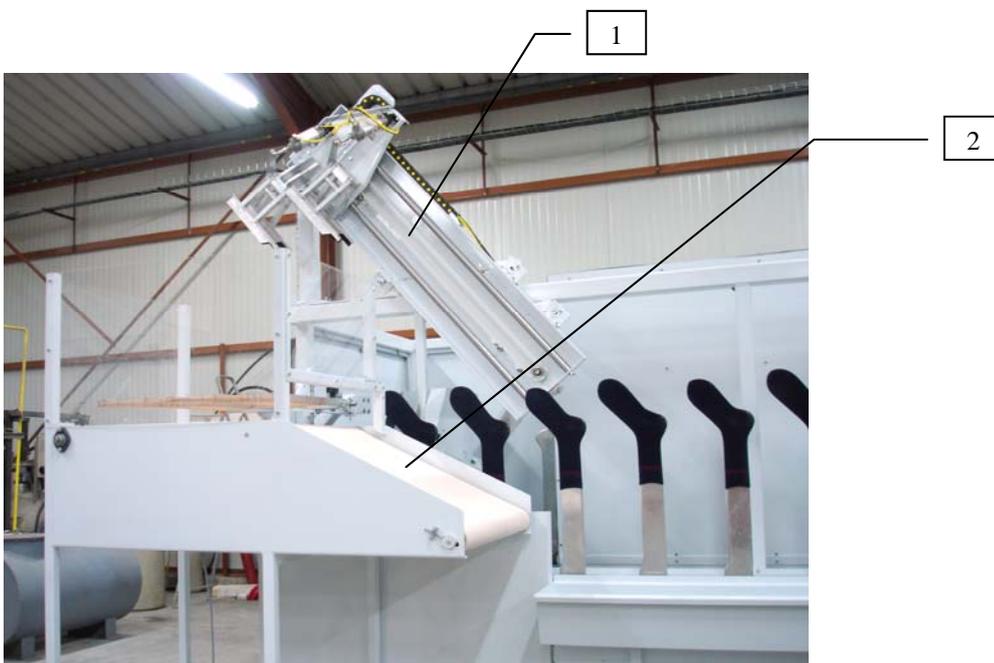
Temperature adjustable up to 180°C.

The press force is adjustable with a pressure regulator (2), up to 3000 N with compressed air under a 6 bar pressure.

The plates are insulated with a very thick roll wool layer (3) in order to reduce heat loss.



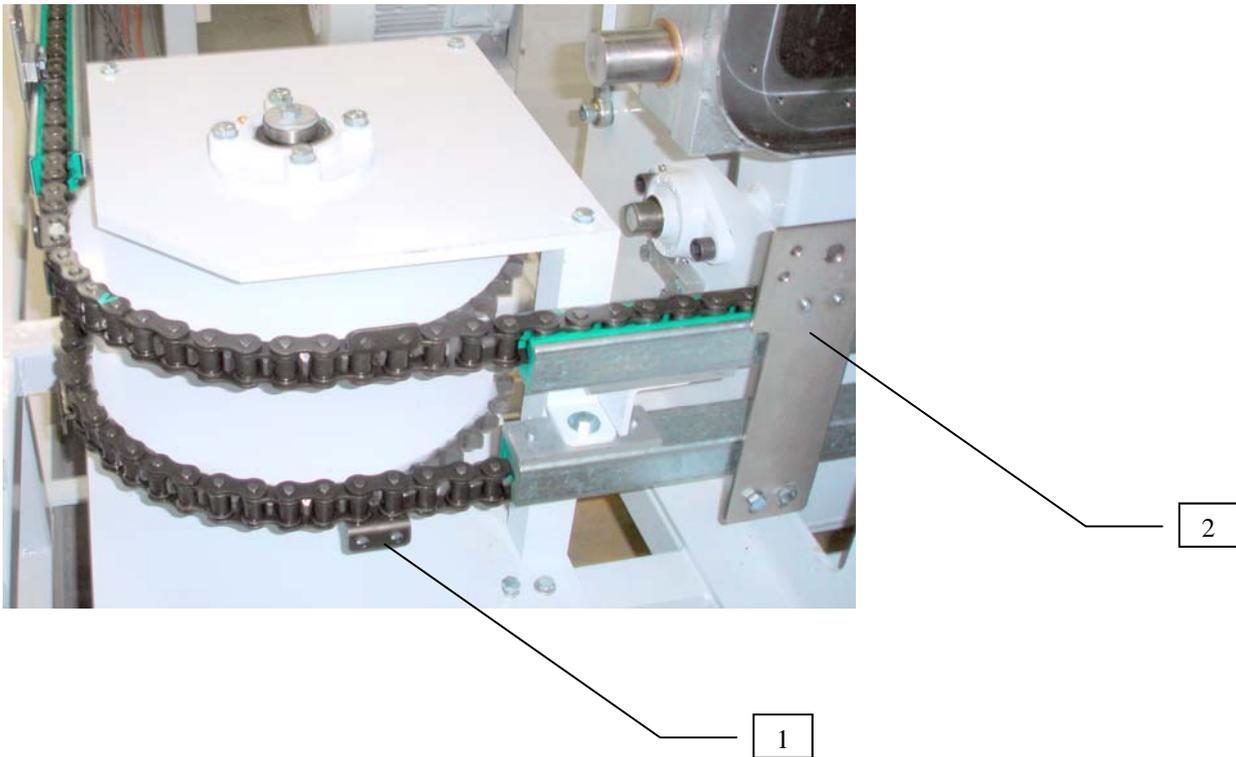
Automatic stripper composed of a stripper of the racket type (1). Socks are stripped by pairs and stacked on a conveyor (2) (up to 4 stacks)



The form path is composed of two chains (1), where the form holders are fitted on (2).
This makes for :

- a good form holding
- quiet operation
- reduced maintenance
- long lifetime

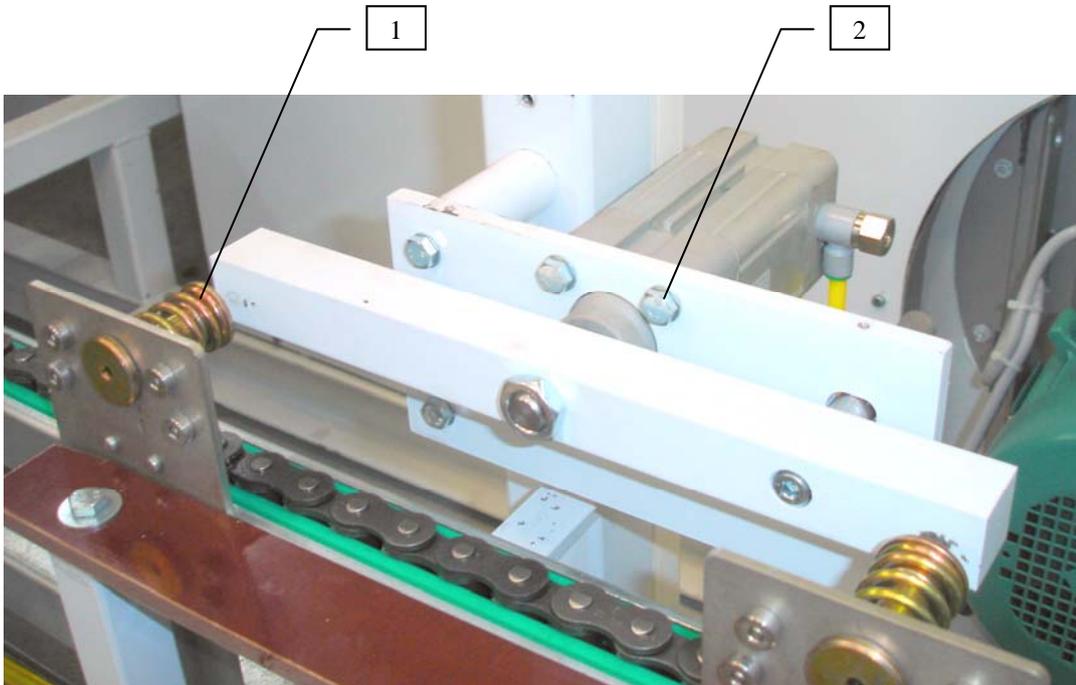
The tension of the chain is ensuring by tensing bearings (3) and springs allowing to compensate wear in the long run.



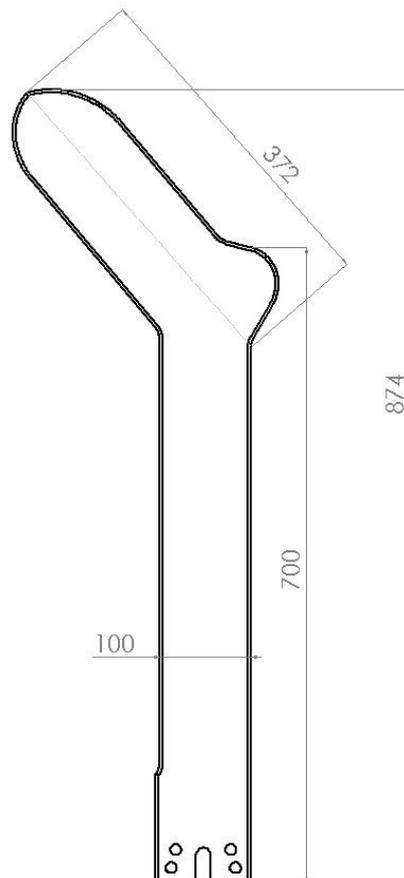
Quick substitution of forms.

The springs (1) holding the forms are released by means of a jack (2) controlled by the pedal putting the machine into operation.

The 28 forms are substituted in less than 10 minutes



Maximum size of the form legs



Options

Length control

The sock is automatically put at the correct position before entering the steam chamber.



For any additional option, please contact us.

Energy consumptions

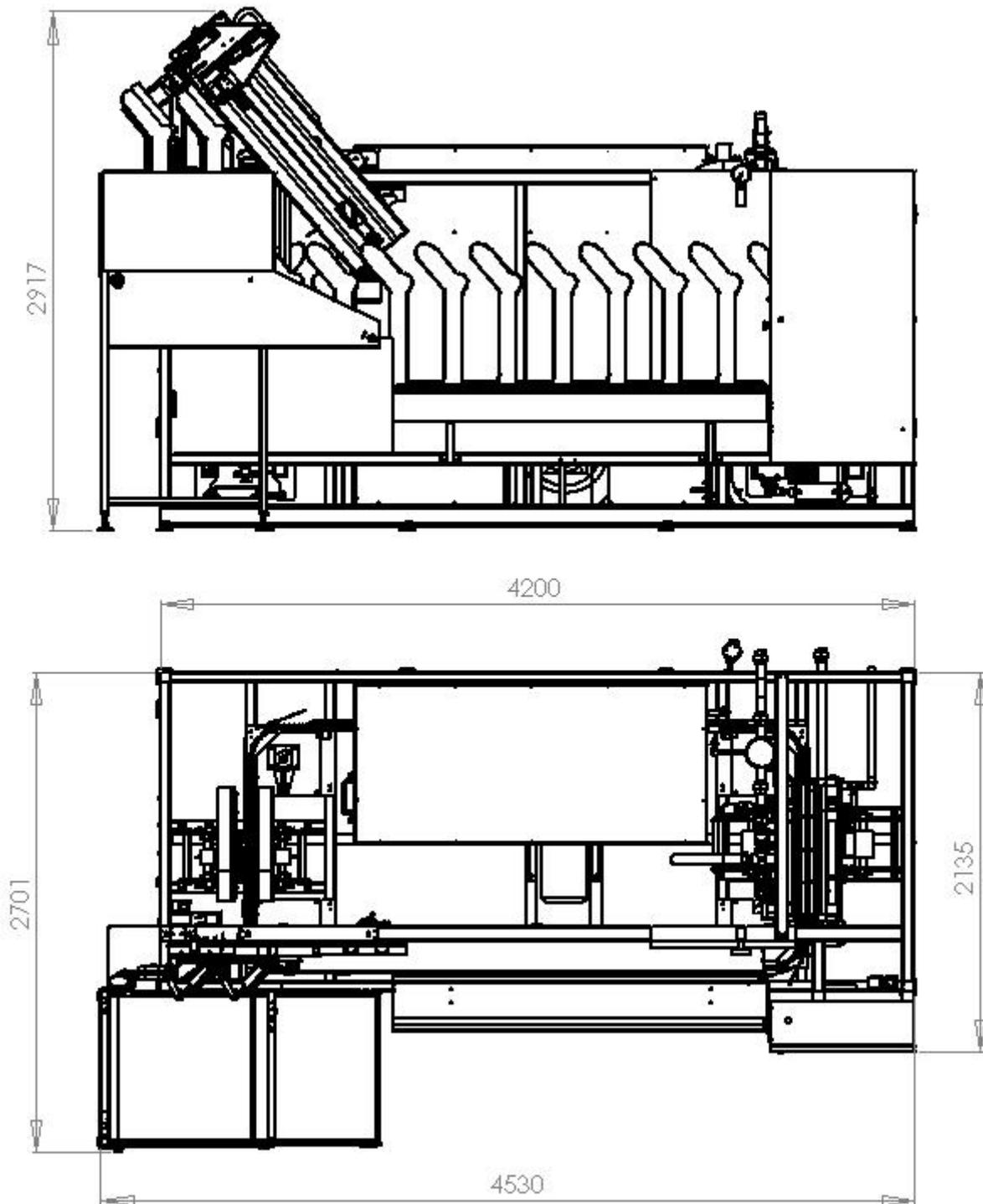
Production : up to 750 pairs per hour.

Weight : abt. 3000 kg

Indicatives consumptions :

- electricity 5 to 17 kW
- steam 40 to 95 kg/h
- compressed air 9 Nm³/h

Encombrement



Commissioning on site is carried out by our engineers.

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