

K-Net

Semi-automatic filling machine

Semi-automatic filler - Dosing by pump circuit (centrifugal, volumetric) / flow meter or piston circuit.



The K-Net is an automatic filling machine equipped with :

- A 304 stainless steel frame.
- A pneumatic dosing valve and a stainless steel spout (height of the spout adjustable to adapt to different containers).
- A centering screw for the good positioning of the bottle neck under the nozzle.
- A grooved connection at the pump inlet.
- A button/foot pedal to activate the dosage.
- A touch screen for setting and controlling the machine.

Available options

- A mass or electromagnetic flow meter.
- A centrifugal, volumetric pump
- A piston.
- One or more additional dosing nozzles.
- A stainless steel hopper to feed the pump with product.
- A remote loader for filling large volume cans.
- An electric capping machine.
- One or more screwing heads adapted to cylindrical caps.
- A pneumatic sinking machine.

Limits of the K-Net

- Dosing volumes of less than 50ml (1.7oz) and more than 20L (6Gal).

Before placing an order, we can carry out tests free of charge to ensure the feasibility of your project. Please do not hesitate to contact us!

Technical characteristics K-Net

APPROXIMATE MASS (LBS)	110 kg (depending option)
DIMENSIONS (WITH FRAME)	670mm in width 1700mm in height 860mm of depth
POWER CONSUMPTION	1 kW
SUPPLY VOLTAGE	220 V mono
FREQUENCY	~ 50 Hz 16 A
CONTROL	by touch screen
IDEAL OPERATING TEMPERATURE	from 10°C to 30°C

Please note that this machine requires an electrical and pneumatic power supply.

Technical Focus n°1

PNEUMATIC / POWER SUPPLY

Pneumatic connection: 1 air connection on pressure gauge - Under 6 bars constant (Hose to be provided Ø Int/Ext = 8/10 mm).

Electrical connection: 1 Cable 220 volts - length 6 meters - Domestic socket.

Technical Focus n°2

DIGITAL DISPLAY

The color touch screen allows easy adjustment of several parameters such as:

Dose adjustment.

A production counter.

Technical Focus n°3

FLOW METERING

Flowmeter metering is generally used for free-flowing to slightly thick products without lumps in suspension. It is carried out by the action of a rotary pump, a flow meter and a dosing head. The mass flowmeter is compatible with all types of product and allows dosing by mass, while the electromagnetic flowmeter is only compatible with conductive products and allows dosing by volume.

Technical Focus n°4

PISTON DOSING

Piston dosing is generally used for packaging liquid to dense products or with pieces in suspension.

By means of a suction system, the product is introduced into the dosing chamber of the piston. When the predefined quantity is reached, the piston pushes the product towards the valve and then towards the dosing head.

Technical Focus n°5

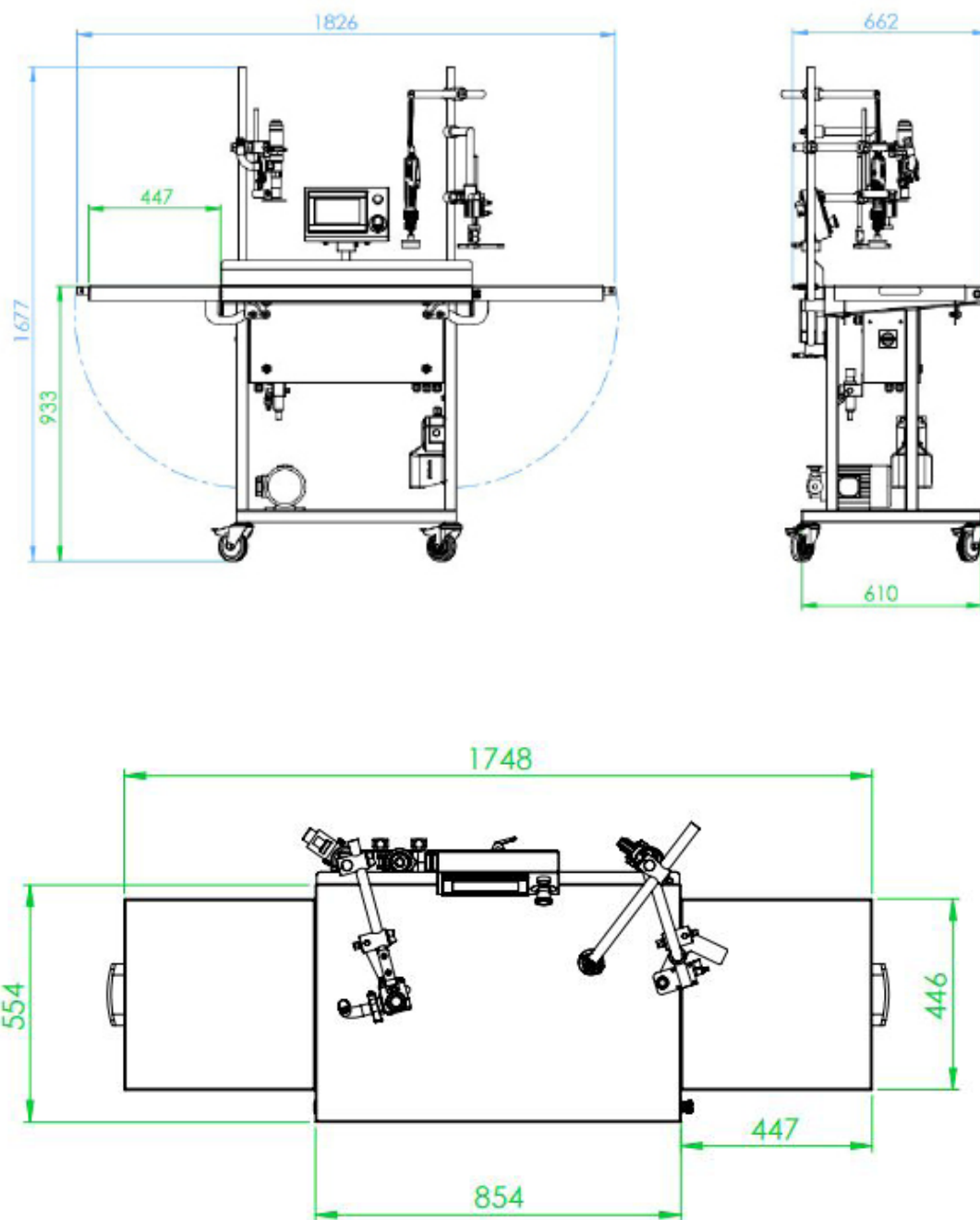
SCREWING STATION

The machine can be equipped with a screwing station for bottles with a thread. The screwing machine starts by pressure and stops its rotation when it has reached the defined torque and the effort on the cap is released. The screwing heads are custom designed according to the samples sent when ordering. A change or addition of a different size cap would result in the change of the screwing head.

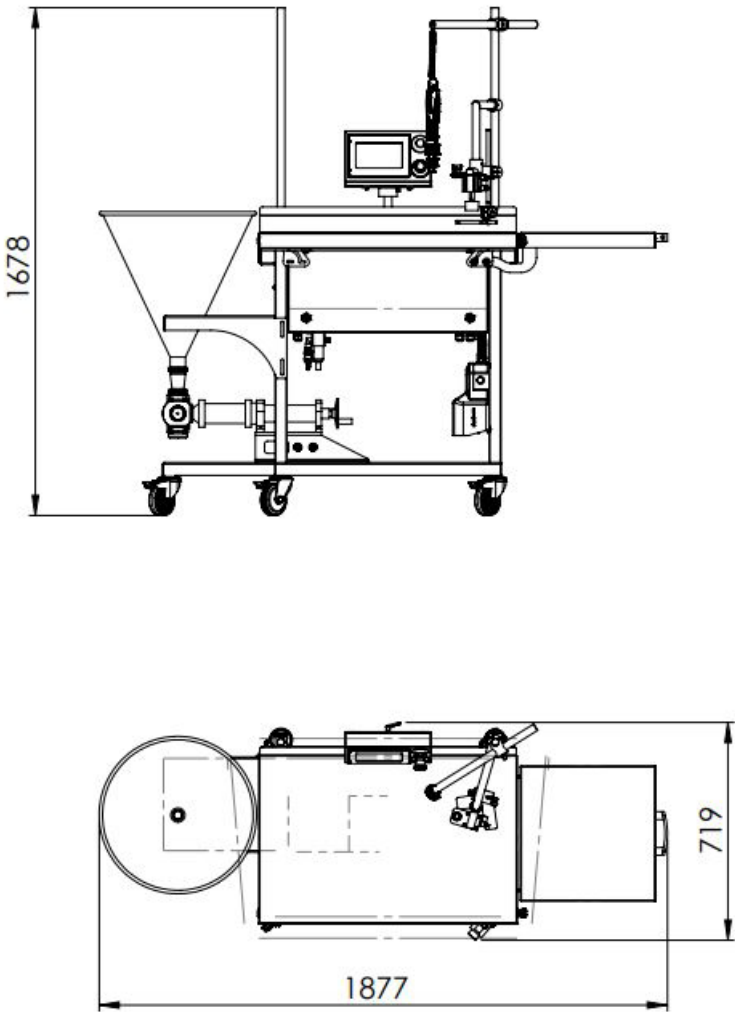
Technical Focus n°6

PUSHER

The machine can be equipped with a pressing station, which allows to close bottles with a stopper to be pressed. The operator positions the bottle with the stopper against the centering screw, the sensor detects the presence of the bottle, the pressing cylinder presses on the stopper and then goes up.



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Pictures, production rates and technical descriptions for information.