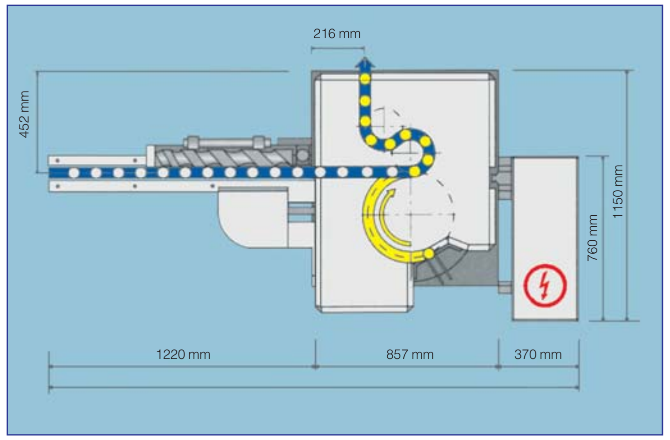
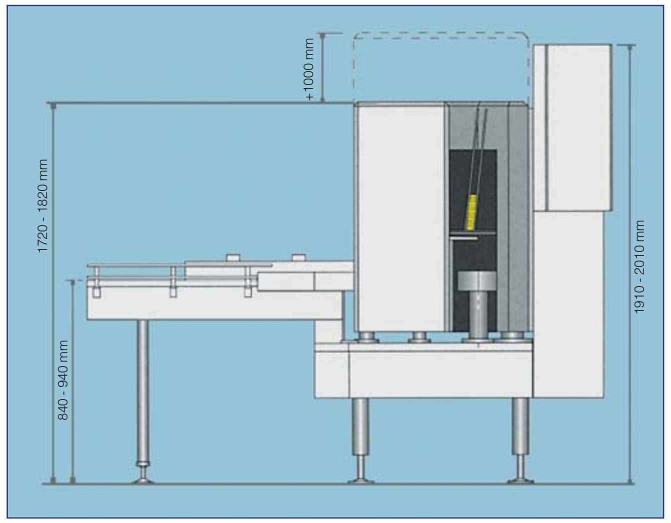


Top view



Side view

Technical Data:

- continuous output: up to 250 cans per minute, depending on headspace in the can and viscosity of the product filled.
- can diameter: 52 - 105 mm
- can height: 43 - 210 mm
  change parts for 3-piece cans down to 33 mm height and drawn cans down to 20 mm height are available in special cases. Higher design for can height 90 - 240 mm can be supplied.
- power connection: 4,5 kW, 220/380 V, 50 c/s
  other connection values possible upon request.
- pitch of machine: 7 1/2 ”
- air consumption: max 3 ltrs/min at 6 bar
- shipping data: weight: approx. 2,000 kg
  crate dimesion: 280 x 145 x 200 cm

Technical changes due to technical development are possible!

Our production program for the canning industry is rounded off by:

VA 6-20
6-spindle automatic can closing machine for capacity up to 550 cpm.

VA 1-30
1-spindle automatic can closing machine for square cans up to 120 cpm including feeding systems for cans ans ends.

1 - 30-CL
Continuous clinchers.

KFV/KFN 1-70 or KFV/KFN 8-70 / KF 8-72
1- and 8-station sauce filler for up to 400 cc / can filling volume to complete our seamer VA 1-30, VA 3-20, VA 6-20.

Can washingmachine

All kind of Conveyours, tailor made

Agency:

mbt Maschinen- und Metallbau GmbH & Co. KG

TRASSENHEIDE

Strandstraße 8 · D-17449 Trassenheide · Phone +49 38371 51-0 · Fax +49 38371 2 02 72

AUTOMATIC

CAN CLOSING MACHINE

VA 3 - 20

TRASSENHEIDE

Machine with lifted safety cover

AUTOMATIC CAN CLOSING MACHINE VA 3-20

The High-Speed Can Closing Machine ***VA 3-20*** is a version of our closing machine family for round cans, completely made of ***stainless steel*** and equipped with 3 closing stations.

The technical outfit meets the latest knowledge of most advanced seaming technology. In particular, the requirements of industrial users in respect of simple maintenance and efficient as well as careful handling of the products filled have been considered.

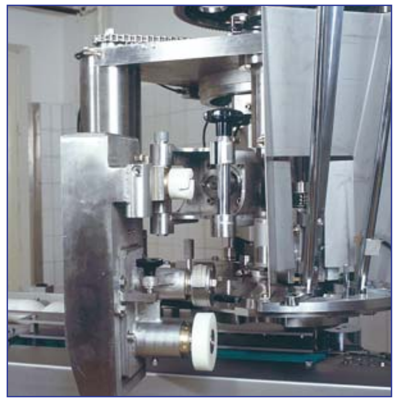
Electrically, the machine is equipped with process calculator giving information about output, daily production or faults in case of trouble according to choise.

Operating Method

The filled cans to be closed are fed onto the feeding belt of the closing machine. By means of a feeding screw they are transported into the pitch of the seaming head and exactly positioned on the lower chuck.

In case of synchronization with an upstream filler, a special can feed with dog chain can be used. Particularly in connection with a frequency-regulated drive and referring to liquid filling products, this serves for a can transfer without spillage between filler and seamer.

A special can cord control serves for controlling the can transport and makes sure that an end is only destacked and fed when an can enters the seaming station. Thereby, it is avoided that ends are wasted without being used.



Swinging lid marking device

The ends are destacked from the magazine by means of an electro-pneumatic one-wheel destacking device and, if required, are fed via a marking station to the seaming head by using an end feeding star.

The seaming process itself is achieved according to the principle of double seaming, and that in 2 operations. The first seaming operation forms the seam, whilst the second operation presses it tight. During, but only during the seaming operation the cans are rotated by driven lower chucks.

The closed can leave the machine via an outlet star. The function of the machine is controlled by various safety measuring devices over the whole processing period of the can cord.

Construction Details

- Machine with 3 seaming stations.
- Pitch of machine 7 1/2" and thus makes able to be synchronized with can fillers as usually available on the market.
- Machine driven by frequency-regulated motor with the advantages to adapt the machine load to requirement and in order to avoid product losses by spillage.
- Constant tin line by height-adjustable seaming head to minimize down time when changing over to another can height.
- Tangential can infeed by screw with dog chain in order to secure product feed free of spillage.
- Safety of machine by an electronic overload clutch to reduce the maintenance costs.

Upper seaming head

- Electro-pneumatic control “NO CAN - NO END“ to minimize losses of ends.
- Swinging end marking station to minimize down time when changing over to other product markings.
- A pneumatically lifted machine cover acc. the prescription of the "employers' liability insurance" serves for accident-free operation and allows quick opening and optimum accessibility of all functional elements if necessary.
- Safety of machine by an electronic overload clutch to reduce the maintenance costs.

Additional Modules

- Centering pockets at the seaming chucks as well as a vibrating infeed guarantee faultless seams of overfilled cans.
- Central lubricating by means of food-resistant grease to avoid maintenance costs.
- Steam injection device to produce an oxygen-free head space and to secure a partial vacuum in the cans. In order to guarantee faultless function and to avoid blowing-in of condensate the steam is electrically overheated in this device.
- An extended end magazine serves for storing a larger quantity of ends thus for longer operating phases without servicing.
- An ink-jet printer as an alternative to the end marking by means of embossing.
- Air-conditioning installed in the control cabinet in order to secure function and life-time for use in tropical countries.
- Automatic speed regulation according to requirement in order to avoid not necessary wear and tear and to secure best operating features.
- Synchronization module for synchronizing a rotary filler of other manufacturers with our automatic closing machine.

Machine from the backside, opened for adjusting the tools