

Tube filling machine of the series T 120k to T 240k



Operation

The T-Series machines are fully automated tube filling machines which can fill a predefined number of tablets in the tubes in a speed range from 120 to 240 tubes* per minute.

All the compartments of the machine are fully automated and during production the tubes are sorted, aligned, filled and sealed with a cap.

A modern programmable logic controller (PLC) is used to control and monitor all machine functions.

The continuous operation of the machine results in a very smooth and continuous machine running, which allows a very gentle product treatment. Furthermore, the continuous mode of operation enables that unnecessary start-stop situation of the machine are avoided.

Accessory



We offer optional accessories for each machine.

This can be, for example an inkjet printer that prints the filled tubes. Depending on your request, the accessories can be customized to suit your needs.

*depends on the machine components

**in combination with various format parts

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Design

Our emphasis is focused on a well thought-out and modular design to adapt each machine to the needs of our customers.

By using different format sets, it is possible to process a wide variety of different tablets, tubes and caps.

The well thought out construction of the machine allows the possibility to change format parts quickly and easy removal of all format parts for cleaning purposes.

It can process**:

Tablets with a maximum diameter from 13 mm to 28 mm and a maximum thickness from 3.5 to 10 mm and can fill from 5 to 30 tablets per tube.

Tubes made out of metal or plastic with an outer diameter from 16 mm to 34 mm and lengths from 55 mm to 200 mm.

Sealing parts with a maximum diameter of 36 mm and a maximum length of 40 mm as well as with and without a spiral or tamper ring.

Other dimensions are possible depending on your request.

Quality

Our machines are designed and built for you with all our know-how and absolute professionalism, whereby we can always rely on our 38 year experience in the design and construction of tube filling machines.

Only materials that are suitable for the contact with food are used to construct the machine, so that the machine should comply with the GMP and FDA standard.

A Factory Acceptance Test and IQ/OQ protocols will be provided, if requested to assure that the machine constructed is in accordance with the purchase order.

Service

We offer you a wide array of spare parts and we are always ready to provide you our services after your machine has left our company - no matter where you are situated around the globe.

We always provide an installation on site by our qualified personnel, furthermore, we train and educate your staff on how to operate our machines.

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**in combination with various format parts

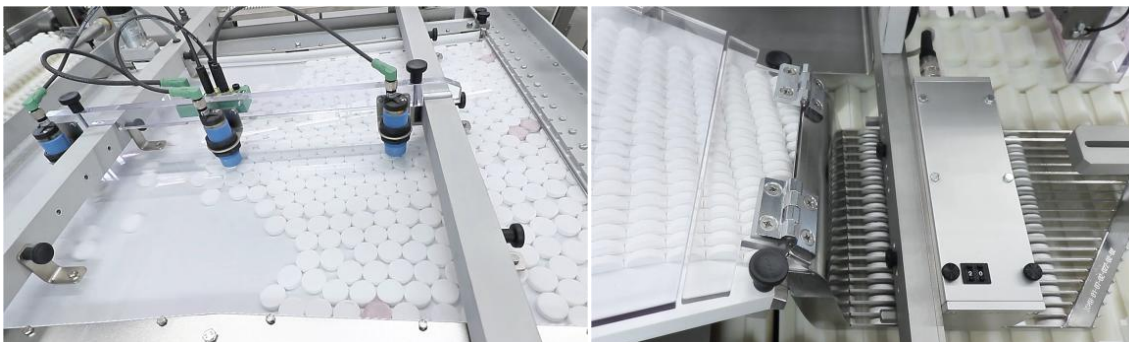
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Operation



The entire machine is operated via a touch screen and the operation can be carried out by one operator who fills the product containers and monitors the machine status

Tablets infeed



A tablet stock is created on the tablet feeding belt with the tablets from the tablet press

The filling speed is harmonized automatically

A contactless check for the completeness of the tablets

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Tube infeed



The tubes needed to fill the tube container are delivered as bulk material

The tubes are feed automatically in to the machine from the tube container

A contactless check for the presence and proper alignment of the tubes

Cap infeed



The caps needed to fill the cap container is delivered as bulk material

The caps are feed automatically to the tube closing device

A contactless check for the presence of a cap

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Tablet stack insertion

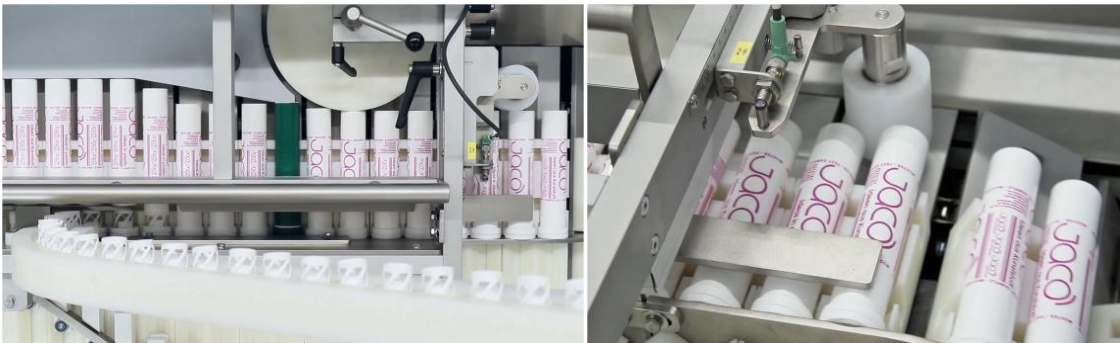


Automatic insertion of the tablet stack along the guide rail by the insertion sliders

Checking the insertion process

The insertion sliders are automatically returned to their original position

Tube closing



The tubes are closed automatically

The filled tubes are checked for proper closure and presence of a cap