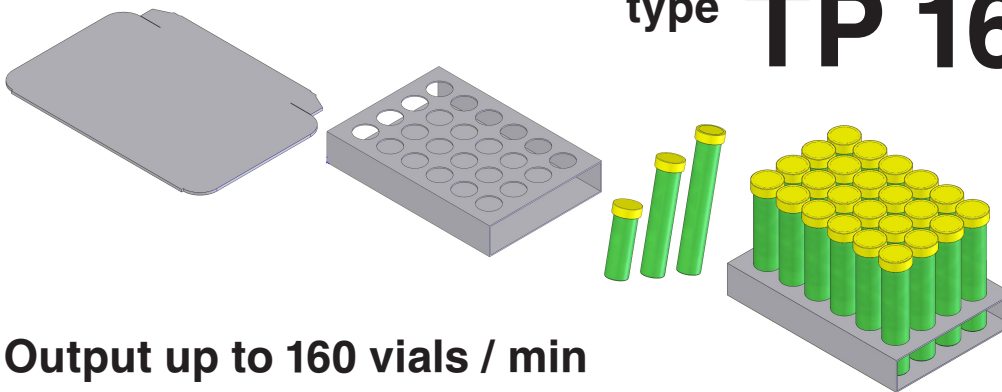


Tray erecting and filling machine type **TP 160**



vial- Ø:
from 20 to 40 mm
vial lengths:
from 70 to 210 mm
Tray formats: i.e.
1-row of 6 vials
4-rows of 4 vials
6-rows of 8 vials

Output up to 160 vials / min

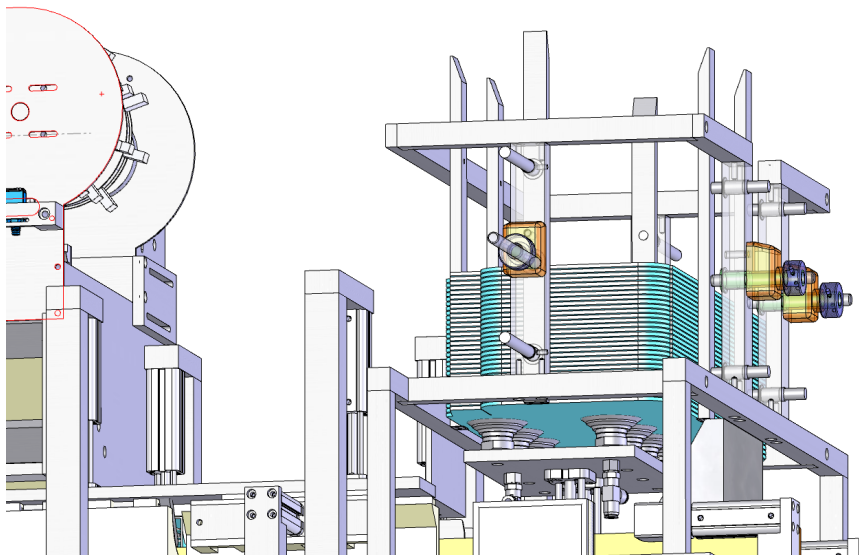
Method of operation

The flat, pre-glued tray cuts have to be placed into the magazine of the tray erector. A pneumatically operated vacuum bar pulls the lowest tray cut off the magazine and erects it. After being erected, that tray is inserted into the trans-

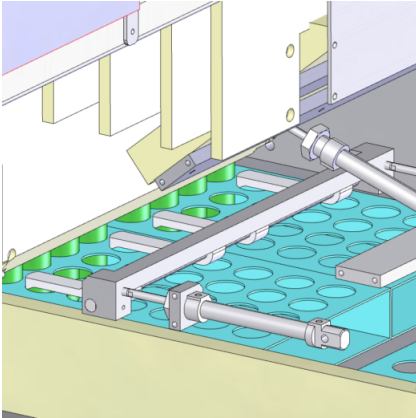
port rake. While indexing forward, the dust- and closing flaps of the trays will be closed so that the trays are ready to be filled at the end of the transport rake. Pneumatically operating pushing hooks enter into the receiving wholes of the positioned tray and push it underneath the filling

head. Pushing the tray by using the wholes makes sure that the tray is always precisely in the correct tube receiving position underneath the filling head. Irregularities in the carton dies have this way no impact on positioning the trays precisely.

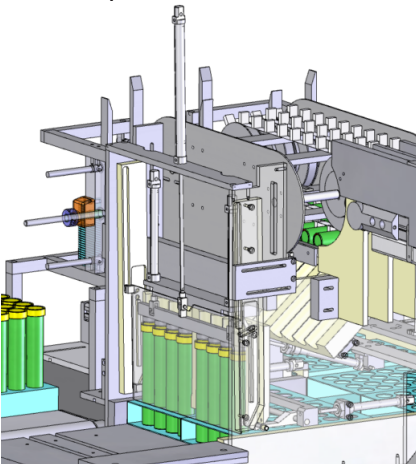
The filled and closed tubes arrive on a transport belt directly from the tubefilling- and closing machine and are automatically transversally positioned transferred on to the tube feeding buffer conveyor of the tray packer. Alternatively, the tubes can manually be placed on this buffer in-feed conveyor. An indexing flighted belt removes a pre-selectable number of tubes from this conveyor and pulls them on two holding rails into the kick-off station of the tray filling head. The tubes are hold by rails positioned at their tops and bottoms and the bars of the flighted belt produce the required distance between the tubes.



Below the holding rails is a pivoting plate, which guides the tubes from the holding rails into the wholes of the tray. If the rail at the bottoms of the tubes is removed, the tubes fall with their bottoms leading on this pivoting plate and slide in their guiding grooves to a position above the wholes of the trays.



Now the pivoting plate gets into vertical position and consequently the tubes are now also in vertical position above the wholes. A pusher now presses the tubes into the tray. After the pushing hooks have indexed the tray one step ahead, this operation is repeated.



The filled trays are pneumatically pushed on a transport belt for transportation to the next packaging step.

Operation and control

The traypacker TP 160 is a fully automatic working machine and does not require an operator or control besides of reloading the die cut magazine.

All operational steps are secured against each other. If any error occurs, the machine stops.

Standard machine equipment

The standard machine includes one complete set of tray format parts and tube format parts.

Format change

By using format parts, trays with different dimensions or different filling configurations as well as tubes with different lengths or diameters could be processed. The change over time is approx. between 15 and 90 minutes.

Safety

The machine corresponds to the GMP rules and has the CE sign. All moving machine parts are covered and electrically secured.

Available options:

Automatic lid erector and applicator to cover filled trays.
Automatic gluing device to secure the lids on the filled trays.

Technical data

E. Power:	400 V / 50 Hz
Currency:	5 amp
Air consumption:	500 l / min
Net weight:	500 kg

