

pennekamp 



Underbelt-Spray UBS 400

# Underbelt-Spray



## Underbelt-Spray UBS 400

The under belt spray was designed in order to spray the bottles (glass ware) from below the lehr belt. This spray system does not require the additional room generated by the installation of a modified belt return and additional three support rollers. Its design is made to fit between the upper lehr belt and its return. The space required is at min. 200mm. In case of a lehr from another vendor a drawing will be required for dimensioning.

The under belt spray consists of a solid aluminum frame structure with an oscillating (right/left) spray nozzle.

The driving of this spray nozzle is executed by use of the motor/gear assembly and operated by an

inverter. Limit switches allow the zero positioning and the operation of forth and back movements. The inverter is installed within a small control box together with its required electrical components such as main switch, fuse, relay and contactor and the emergency off button. This simple control panel uses the logics of the inverter for the operation and monitoring of the unit. The control panel may be installed at the side of the corresponding discharge zone frame, or on the side wall of the last tunnel zone.

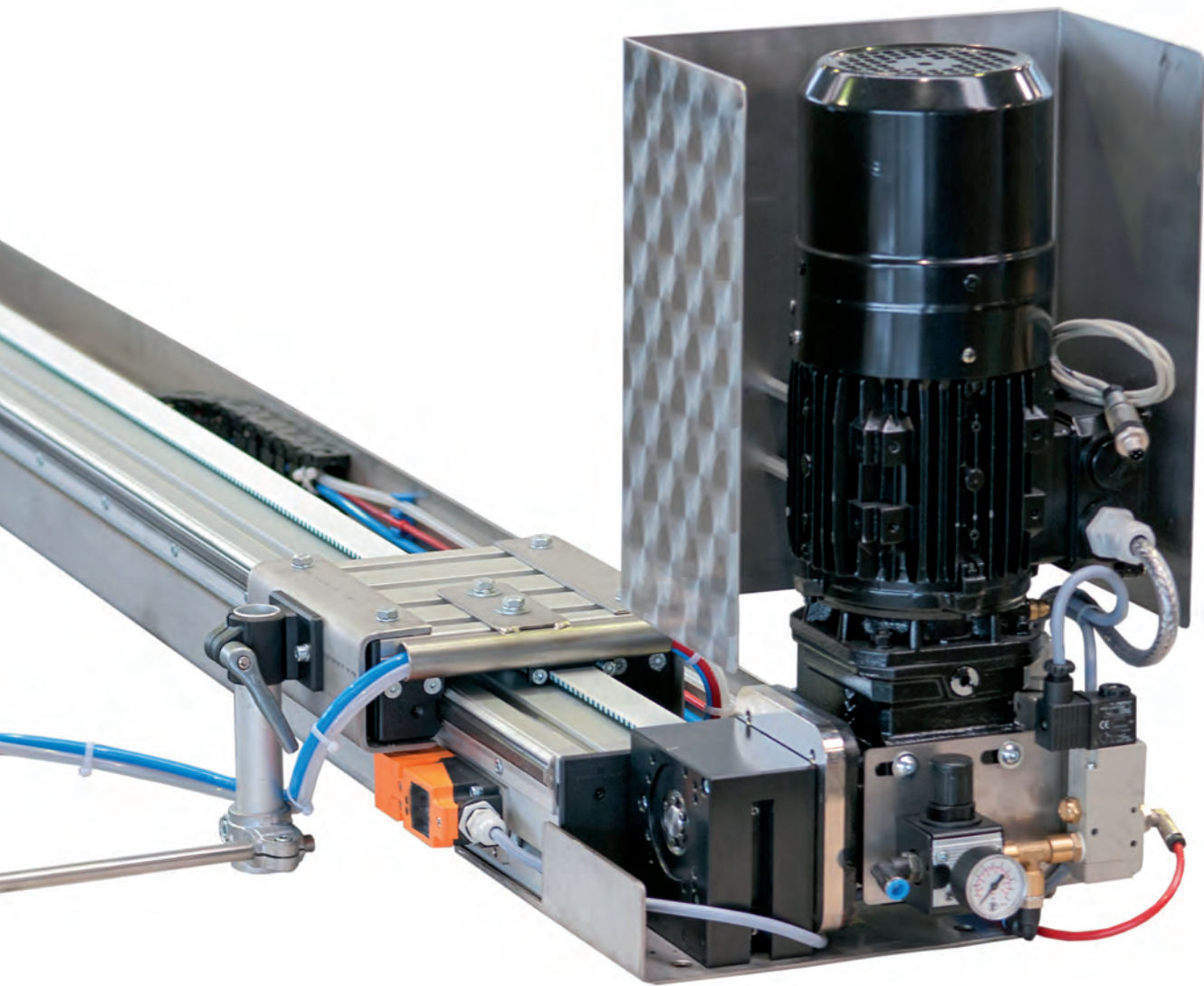
The horizontal motion is transferred by a toothed belt to the linear guidance and the trolley itself. The spray nozzle is offset in order not to contaminate the linear guiding. The spray slot itself shall have a width of approx. 200mm (125mm min.)

In order to cover the under belt spray itself, a drip plate is installed on the upper side which allows the protection from the drips and the contamination for dirt and debris.

The coating material supply for the under belt spray comes from the local (plants) dosing and mixing station and is not scope of supply, unless ordered separately. In addition a utility supply of compressed air at 4 to 6bar as well as a supply of electric three phase power with neutral and ground is needed.







## Features

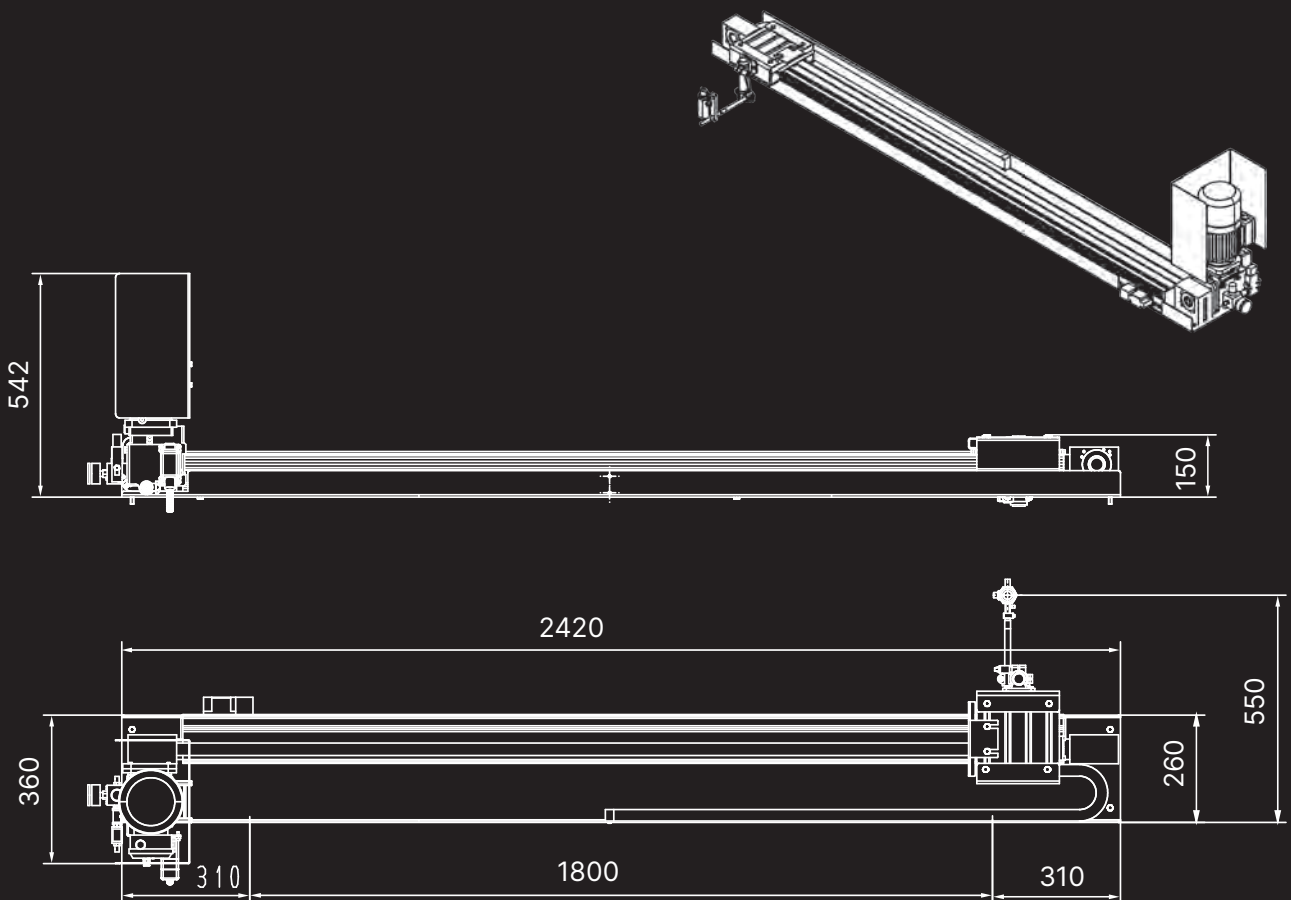
- Inverter controlled by a linear guide with toothed belt
- Speed adjustment for the side movement (spraying process)
- Mode selector switch for continuous operation and with start impulse
- Spray nozzle's stopping switch for adjustment of the spray cone

### Option:

- Automatic dosing unit system

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Lehr belt width A	may vary (buyer)
Total length B	belt width + 620mm
Extension drive side C	310mm
Extension return side D	310mm
Total height incl. drive E	550mm
Width of drive unit F	360mm
Width to spray slot G	550mm +/- 50mm
Units width H	260mm
Units height I	175mm
Width of spray slot	150mm



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