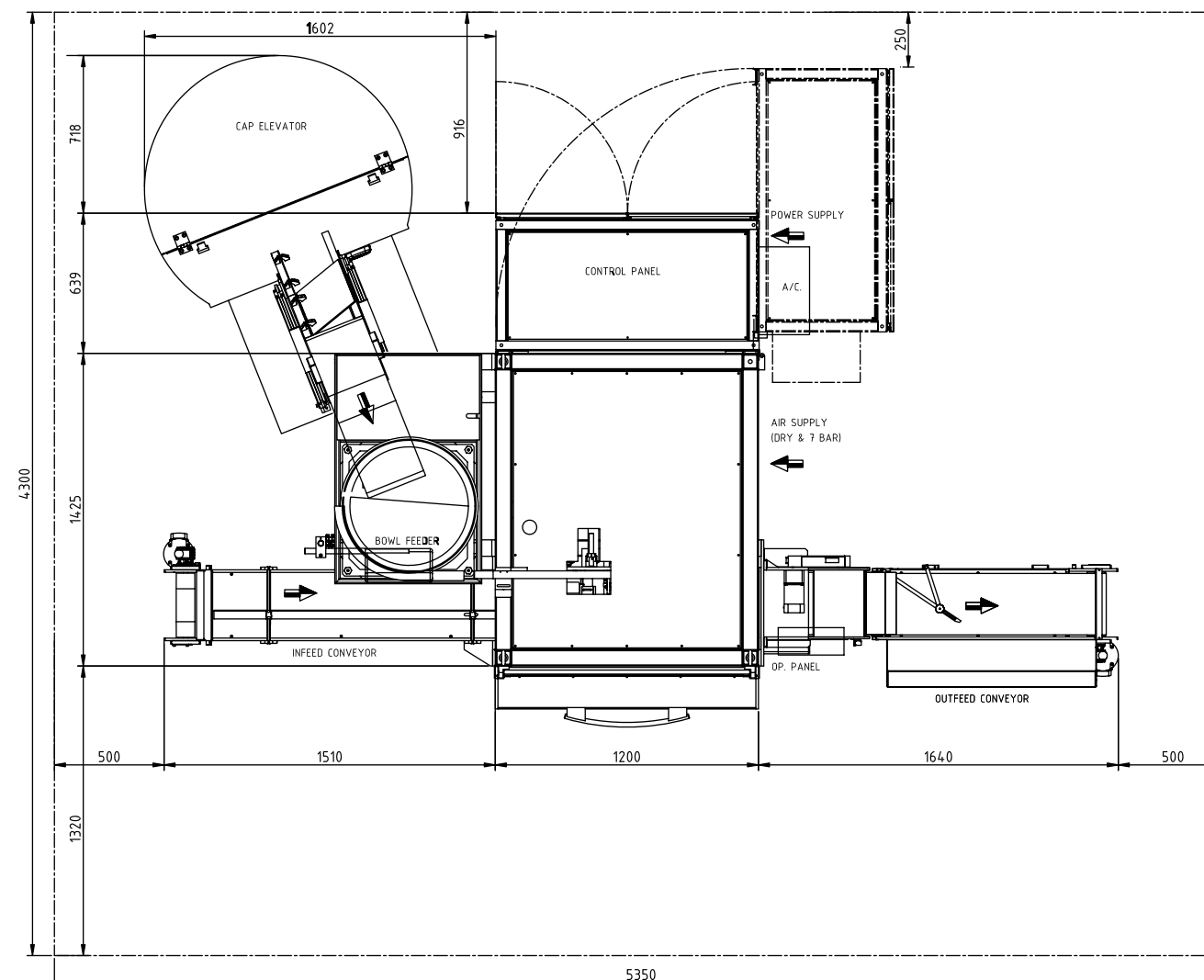


Technical Specification

• Speed*	Snap-on capping – Upto 75 tubes per minute Screw-on capping – Upto 75 tubes per minute Mechanical Speed – Upto 90/min
• Tube Diameter	Dia 19 mm to 60 mm
• Tube Length	75 mm to 200 mm
• Positioning accuracy of Flip top cap and print mark position on the tube (optional)	+/- 2mm
• Torque tightening accuracy in case of screw-on caps	+/- 2 kg.cm
• Torque tightening range	From 5 kg.cm to 20 kg.cm
• Electrical Connection	3 x 415 Volt AC x 50 Hz, 14 KW
• Pneumatic Connection	6.5 to 8 bar. Dust, Water and Oil free
• Memory for Program Storage	Upto 500 recipes
• Operation	Fully automatic
• Machine dimension	Length 4.4m/Depth 2.2m/Height 2.5m
• Standard color	Combination of RAL 9016 white and blue
• Layout	Tube flow from left to right

*Depends upon diameter & type of cap & tube
Due to continual improvements Specifications and features are subjected to change without notice.

Layout



Required roof height : 3.5m

Options

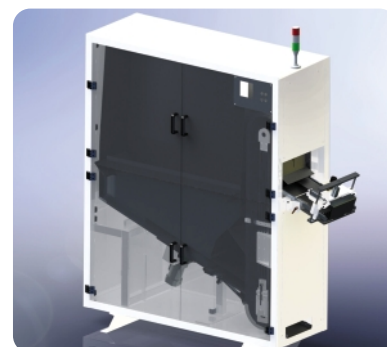
- Top Sealing Attachment
- Snap-On Capping Attachment
- Vertical Out-feed Conveyor
- Modem
- Cap Elevator – For auto feeding of caps on to vibratory bowl feeder
- Tube Feeder – For auto feeding of tubes to the in-feed conveyor
- Tube Packer – For auto filling of tubes in the bulk packing cartons



Cap Elevator



Tube Packer



Tube Feeder



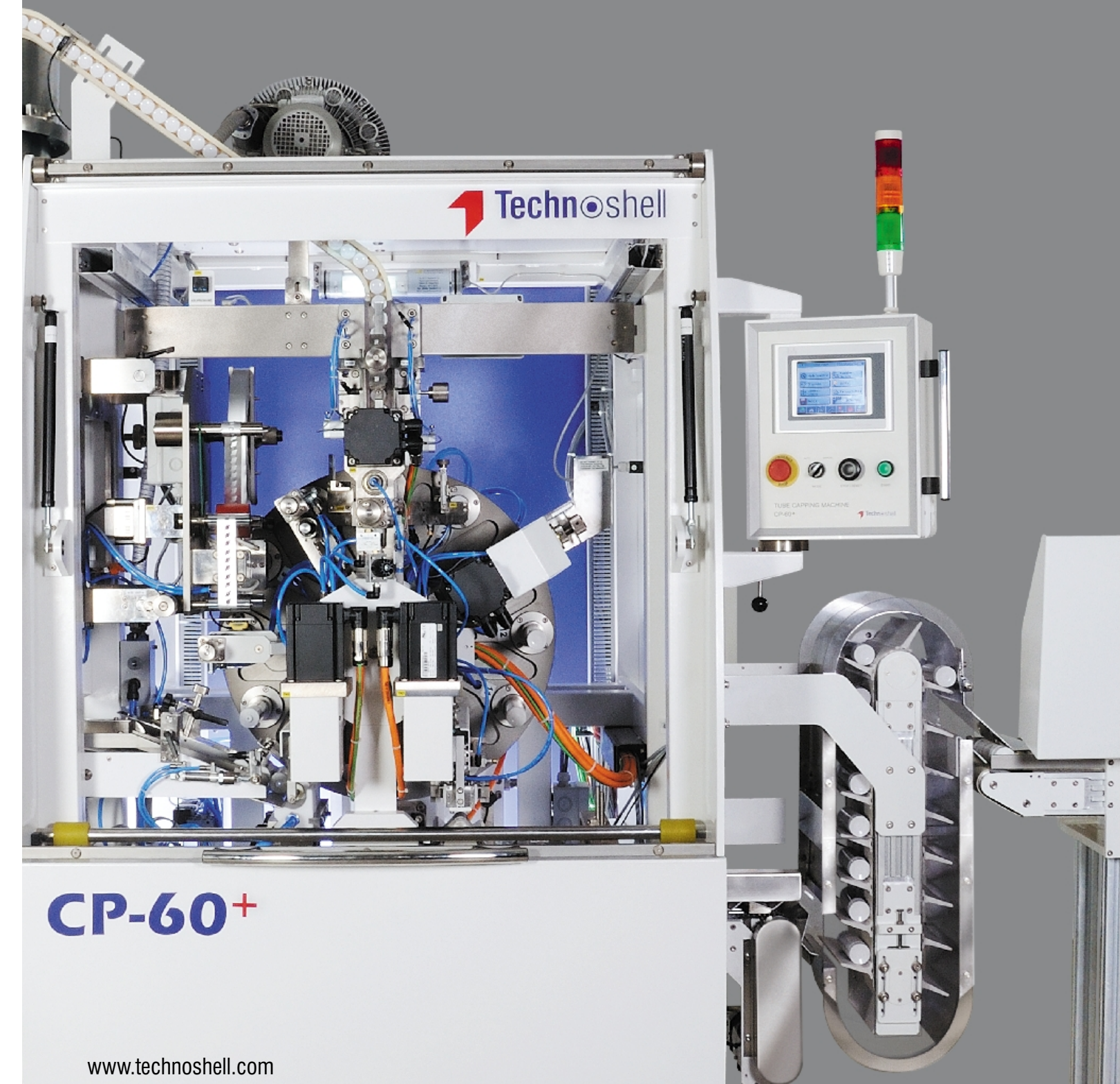
Vertical Out-feed Conveyor

Kiran's Creation

Technoshell
Automations Pvt. Ltd.

G - 49, M.I.D.C., Ambad, Nashik - 422010. INDIA
Ph.: 0091-253-2383049, 6605611. Fax: 2381474
Email: info@technoshell.com URL: www.technoshell.com

Tube Capping Machine CP-60+



CP-60+

www.technoshell.com

High Speed Tube Capping Machine CP-60+



High Speed, Highly Accurate Capping Machine to Fix Screw-on Caps and Oriented Snap-on Caps on Plastic and Laminated Tubes.

This high speed, highly precise Capping machine which works upto 75 tubes per minute is suitable for fixing snap-on caps on tubes with servo driven orientation and screw-on caps with servo controlled torque tightening mechanism.

Machine Description

The 12 mandrel turret of the CP-60+ is indexed by a servo motor and the functions performed at various stations are

- 2 stations for tube loading on the mandrel.
- 2 stations for Top sealing (optional).
- Screw-on capping.
- Snap-on capping with tube and cap orientation (optional).
- Screw cap tightening with pre-settable controlled torque.
- Tube unloading from the mandrel on to out-feed conveyor with 'GOOD TUBE / BAD TUBE' selection.
- Tube feeding to the first station is done via in-feed belt conveyor. This conveyor can be integrated with our 'Tube Feeder' unit for auto feeding of tubes.
- Cap feeding is done by a vibratory bowl feeder. The cap feeding arrangement when coupled with our Cap elevator ensures the machine doesn't starve for caps.



SCREW-ON CAPPING



SNAP-ON CAPPING

Features & Benefits

Operator Friendly and Simplicity-Ease of operation

- Parameters of each operation can be easily set and monitored through icons displayed on the state-of-the-art touch screen operator panel.
- The large front opening helps the operator to access various stations from the front.

Sorting 'Good tubes/ Bad tubes'-Get rid of improper capping complaints

The tube is rejected and diverted into different chute in case the cap is not tightened to the set torque or flip notch of the cap is not oriented to desired position or if the tube is without a cap at the unloading station.

Surveillance and Maintenance- Minimum Down-Time

- Elaborate diagnostics features are incorporated which enable quick troubleshooting. Alarms are incorporated for various stoppages and the same is displayed on the screen.
- Remote diagnostics facility can be offered providing service for software related diagnostics.
- The large front viewing window helps the operator to view the operation at each station. Doors from front side and rear are provided for very easy access to all the assemblies.
- Standard component used in machine are from globally reputed manufactures.

Accurate and Flexible -Always meet customer demand

- This versatile machine can do Screw-on capping with options for Snap-on capping and top sealing.
- With sophisticated servo motors for Tube Loading, Unloading, Cap Orientation, Tube Orientation and controlled Torque Tightening, each operation is done accurately.
- The Capping machine can be coupled with our 'Lacquer and Label Machine' and 'Tube Packer'.
- Stepper motor operated foil top sealing mechanism ensures optimal consumption of sealing foil.

Quick Change-over and Easy Settings- 'Small batch size-Not a problem anymore'

- The access to the change part is from the front, making the change over from one size to another quick and easy.
- Adjustment for different size setting is quick and precise-thanks to knobs and scales provided on the slides.
- A unique feature of the machine is the TUBE-TEST mode. The highlight of this feature is that one tube is loaded on the mandrel, then it moves to all the stations for the various operations and is finally ejected out. This helps in setting the machine with minimum number of tubes.
- Recipes storages for quick recall of previous setting.

Operations

- 1 TUBE LOADING STATION 1
- 3 TUBE SEALING STATION 1 & 2
- 4 SNAP-ON CAPPING
- 6 TORQUE TIGHTENING



- 2 TUBE LOADING STATION 2
- 5 SCREW-ON CAPPING
- 7 TUBE UNLOADING STATION

Applications

