

## LABELING DESIGN FEATURES



## FILLING- CAPPING FEATURES



# FULLY-NEW HIGH-SPEED BLOWING-LABELING-FILLING- CAPPING MONOBLOC



- Modular design for labeling stations and multiple stations allocation make it able to meet requirements for hot-melt glue and self-adhesive labeling at the same machine.
- System can automatically detect usage situation on label roll. When usage reaches preset parameter, the labeller will slow down but won't stop to have roll changed automatically.
- Each associated part of system has equipped with independent servo drive in order to improve transmission accuracy and labeling efficiency, as well as reduce vibration and noise level.



- Double layers explosion proof toughened glass is fixed on floor-stand enclosed frame, which enables this machine to be well guarded, beautiful appearance and prevented against atomization.
- Inclined basement design to obtain best drainage capability, which is more sanitary.
- Volumetric filling method via flow meters is both economic and durable.
- Easy to change filling products, and no return process to ensure an energy-saving and sanitary effect.



## TECH-LONG PACKAGING MACHINERY CO., LTD.

Tel: +86 20 62956800  
market@tech-long.com  
www.tech-long.com  
NO. 23 Yunpu 1 Road, Huangpu District, GuangZhou, China, 510530

This information is produced by the Marketing Department of Tech-long. Its contents will change with the update of the products. For more details, please contact our sales. Although information in this brochure has been updated many times for accuracy, we recommend it is used for reference purpose only. Please take the practical machines, nameplate, and operation specification as standard.

©2018 All rights reserved. Reproduction in whole or in part is forbidden without the express permission of the publisher.

## TECHNICAL DATA



## ADVANTAGES



## BLOWER MAIN FEATURES



Number of moulds/bottle rotation assemblies /filling valves/capping heads	20×36×60×24
Rated capacity(BPH)	48,000
High-pressure air consumption(Nm <sup>3</sup> /min)	9.8(30bar)/8.2(25bar)
Installed power(Kw)	438
Dimension(mm)	L 21257×W9270×H3560
Gross Weight(T)	35.2
Bottle diameter range(mm)	Φ40~Φ80
Bottle volume range(ml)	200~750
Bottle height range(mm)	150 ~320
Label width range(mm)	30 ~175
Label length range(mm)	138~266
Distance range from label to bottle bottom(mm)	35 ~115

- Capacity:48000BPH.
- Compared with traditional production line, the monobloc's integrated and compact structure, can save 20%~30% occupation area; the monobloc can also replace some transportation mechanisms before labeller, such as, pressure-free conveyor, air dryer for bottle body, etc.
- Fewer operators: optimized personnel allocation from 3 operators for traditional equipment to 1 operator for this monobloc.
- Compatible with various bottle sizes; quick change-over of bottle size parts.
- Transferred via bottle gripper, to give better protection to bottle body.
- High production efficiency: efficiency for entire equipment exceeds 98%.
- MES intelligent management system, with multiple functions (such as control, maintenance and management, etc).
- Equip visual inspection and ejection system to make fast detection on empty bottles, cap sealing effect and filling level as well as fast ejection on unqualified products possible, which has advantages of fast speed, high accuracy, stable operation and etc.
- With the most advanced energy-saving technology of Tech-Long, it features excellent ability in reducing energy consumption: save 40%~55% of high pressure air and 25%~35% of electricity .

- Servo stretching and mechanical seal structures, realize flexible adjustment of relative parameters, as well as maximum processing angle.
- Base Mould is interlock with mould opening and closing mechanism, which reduces strike and vibration.
- Blowing technology with 6 blowing units to reduce high pressure air consumption by 40%~55%.
- Quick changeover of neck finish and bottle body size parts to better fit bottles of various formats.
- High-speed heating and air circulation system is also energy-saved, which can save over 40% in energy consumption.

