



**TECH-LONG**



# **THE NEW GENERATION OF OIL WEIGH FILLER**

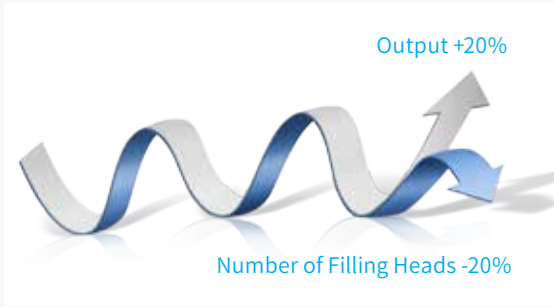
WHAT YOU CARE ABOUT  
IS WHAT WE HAVE DEVELOPED.

- Higher speed
- Better accuracy and stability
- Better hygienic condition
- Higher intelligence
- Easier maintenance



## Higher speed

- 1 Output rises by at least 20% compared with machine models with the same number of filling heads.

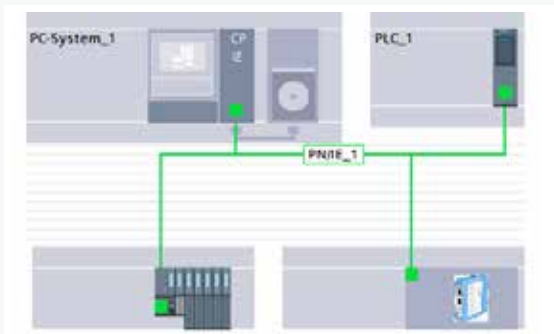


## Better accuracy and stability

- 1 Average filling deviation: less than 1g for small bottle (volume: 2.5L and below) and less than 2g for large bottle (volume: 5L and above).
- 2 Optimize the design of filling tank and pipeline, use the world-class detecting and control elements with pressure fluctuation range less than 0.5%.

## Higher intelligence

- 1 Adopt PC to serve as interface for human operating the machine instead of traditional HMI.
- 2 PC communicates directly with PLC to collect weighing data in real time.
- 3 Record filling data automatically and make an analysis on its statistics, which can be exported in real time.
- 4 Data is saved into SQL database directly (at least 3 months), and then parameters like average weigh, standard deviation are counted in real time before an analysis diagram is drawn.
- 5 Data can also be saved in the format of Excel table via transformation and analysis can be conducted on this table.



## Better hygienic condition

- 1 Adopt the brand new technology to design and manufacture filling valve to put an end to dripping and splashing.
- 2 Two-speed pneumatic filling valve: pneumatic controlling unit equipped on it is to isolate products from air; its flow rate and switching speed are adjustable.
- 3 Product diaphragm seal can be used for over 1 million times.
- 4 Independent resorption function to prevent dripping.



## Easier maintenance

- 1 Bottle guarding assembly will no longer be changed totally as bottle size changes. Only the height of it is need to be regulated in most of the time, which can save the change-over time of bottle size parts.
- 2 Stopping bottles at inlet using positioning function can block all of the faulty filling heads without interrupting continuous production.
- 3 Default ejection system: detect filling accuracy and capping condition during filling and capping process; eject the unqualified products at outlet; eject sampling bottles using positioning function.



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

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