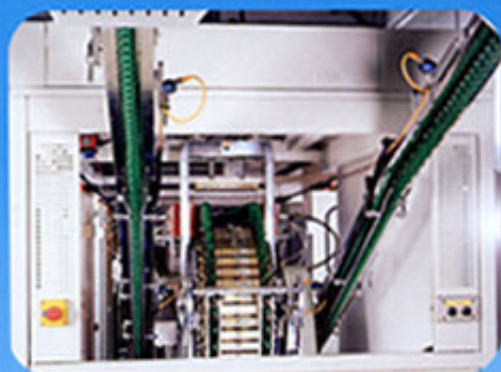


合默麟  
BOTTLE-TOP

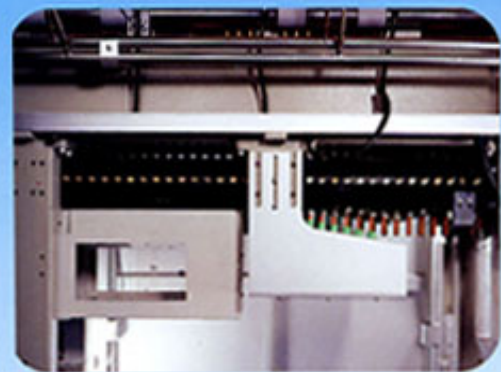
Professional · Efficient · Reliable



(Fig.1)



(Fig.2)



(Fig.3)

**結晶機特性**

獲得世界專利之內外雙加熱法。(Fig.5)

- 可提昇加熱效率。
  - 可降低瓶胚內外之溫差以減少變形。
- 機械結構兩組垂直立式上、下循環構成。(Fig.1&2)
- 該設備可節省空間。
  - 不須高速運轉,可延長機械壽命。
  - 機構簡單而不複雜,維修之空間大並可降低維修成本。

具有最佳之調節功能:

- 加熱與冷卻之時間可以調整,以獲得最佳之處理狀態。
- 對不同特性之原料及瓶胚尺寸有較大之調節能力。

獨特之排氣技術:

- 自轉軸徑向無排氣孔設計,可避免在瓶口內部產生毛邊。

脫料機構。(Fig.3)

- 以專利之凸輪脫料方式,避免接觸TSS區造成瓶口刮傷。

**FEATURES**

Use the patented Dual-Heating method.(Fig.5)

- To increase the efficiency of heating rate.
- To minimize the deformation caused by the temperature gradient in the preform wall.
- To ensure a smooth inside of the neck.

Composed of twin lanes vertical circularly.(Fig.1 & .2)

- Smaller space required.
- Lower running speed ; Longer parts life.
- Easier to maintain at lower cost.

Reliable Process Technology.

- Proven by the experiences more than ten years in producing bottles of heat resistance.

Built in ejecting mechanism.(Fig.3)

- Mechanical cam ejection ensures the perform free from deformation ,scratching and increases the reliability of TSS.

Adjustable ratio of heating to cooling sections in cycle.

- Optimizes the process.
- Compensates the different characteristics of PET material.

Unique venting technique.

- Insert designed without venting hole prevent inner surface of neck from being under cut.



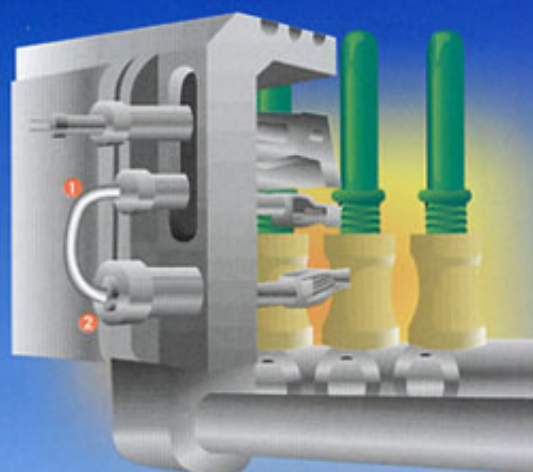


## 內外雙加熱法

(Fig.5)

## Dual-Heating method

- 1 外部加熱 ----- External Heating.
- 2 內部加熱 ----- Internal Heating.



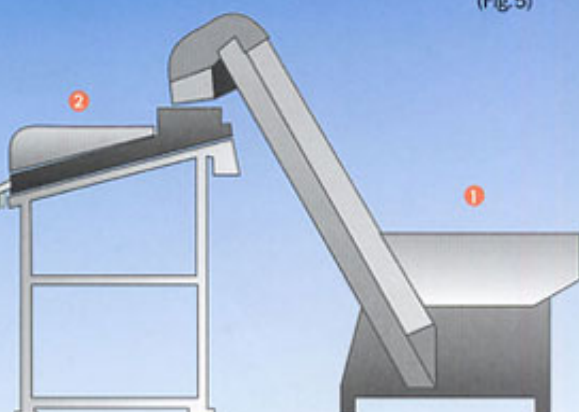
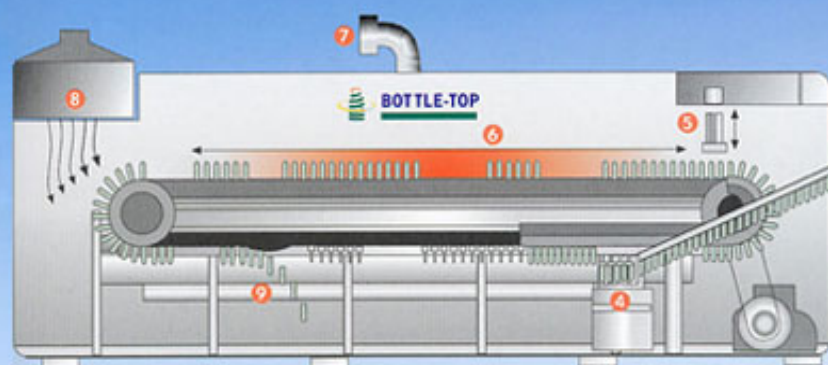
(Fig.5)

## 運轉示意圖

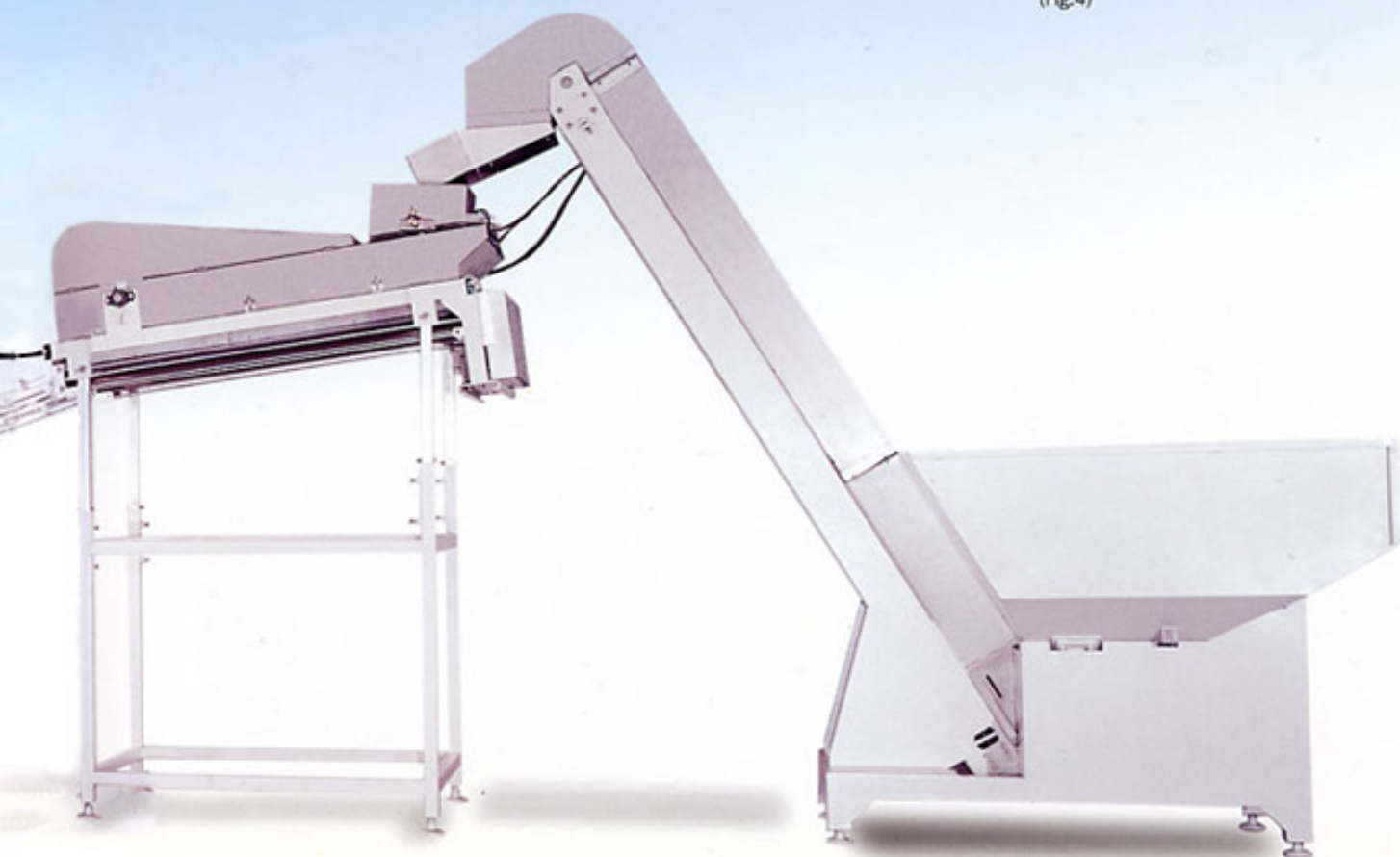
(Fig.4)

## Operation Description

- 1 瓶胚集中及輸送 ----- Unscrambling of preforms.
- 2 整列 ----- Orienting of preforms.
- 3 雙軌入料 ----- Supplying preforms through a 2-lane track.
- 4 瓶胚同步固定於自轉軸上 ----- Fixing preforms on adaptors synchronously.
- 5 以壓胚機構將瓶胚定位在同一水平 ----- Leveling the preforms.
- 6 瓶胚加熱 ----- Heating programmable.
- 7 排風以降低機體溫度 ----- Venting system for environmental temperature control.
- 8 送風以冷卻瓶胚 ----- Supplying the air and cooling the preforms.
- 9 凸輪脫料 ----- Ejecting by cam mechanism.



(Fig.4)







## 經營理念

合心齊力 共精進：默契相投 來創新：麟角鳳羽 齊聲嶸

## COMPANY MANAGEMENT PHILOSOPHY

Refine and advance by gathering everyone's mind and effort.

Innovate with understanding and team work.

Outstanding staff and crackerjack, all for one and one for all.

## 未來展望

1. 延攬人才, 精進躍昇。
2. 分析市場, 確立發展方向 (如高速生產線上之尺寸量測技術, 奈米技術及耐高溫吹瓶技術...等)。
3. 以從PET原料, 射出成形, 結晶, 吹瓶, 充填...等各種專業機械之整合為中長期研究發展目標。
4. 朝創造第一, 追求唯一之方向邁進。

## VISION

1. Inviting talented persons to upgrade the management and technology.
2. Monitoring the market and smelling the trend of customer's need to ensure the right orientation of company development strategy (such as dimension measuring technology in high speed production line, nanotechnology and blowing technology for HR bottles...)
3. Specific integrated facilities from PET chips, injection, crystallizing, blowing and filling...etc., as the middle and long terms target.
4. Creating no.1 and pursuing the unique.



(1)



(2)



(3)

## 專利

## PATENT

1. 台灣專利證書 (PATENT/IPO, TAIWAN)
2. 德國專利證書 (PATENT/DEUTSCHES PATENT-UND MARKENAMT)
3. 法國專利證書 (PATENT/INPI, FRANCE)
4. 日本專利證書 (PATENT/JAPAN PATENT OFFICE)
5. 中國專利證書 (PATENT/IPO, CHINA)
6. 第七屆台灣中小企業創新研究獎 (THE 7TH TAIWAN SMALL AND MEDIUM INNOVATION RESEARCH AWARD)



(4)



(5)



(6)

## 專業服務

## TECHNIQUE SERVICES

10年以上之PET耐熱吹瓶及射出瓶胚生產管理經驗, 本公司可提供下列之技術服務:

1. 提供射出瓶胚射出後即時結晶之技術。
2. 協助將不同品質之射出瓶胚做最佳結晶。
3. 協助設計瓶胚。
4. 協助建立瓶胚之結晶技術。

**Our more than 10 years experience of production and management for PET HR BOTTLE & INJECTION PREFORM can offer the TECHNICAL SERVICES as below to our customers:**

1. Offer instant crystallizing technique for preforms after injection.
2. Assist to achieve required quality of injection preforms for better crystallizing performance.
3. Assist in preform design.
4. Assist to establish crystallizing technique of preform.



**合默麟開發有限公司**  
**BOTTLE-TOP DEVELOPMENT CO.,**

540南投市南崗三路11號

11 Nangang 3rd Rd., Nantou City, Taiwan 540.

TEL : 886-49-2258335

FAX : 886-49-2258199

E-mail: [bottop@ms33.hinet.net](mailto:bottop@ms33.hinet.net)

WEBSITE: [www.bottop.com](http://www.bottop.com)