



CHIA MING MACHINERY CO., LTD.

CMFE Series

FULL ELECTRIC EXTRUSION BLOW MOLDING MACHINE

全電中空成型機 CMFE系列

- | 節能省電 *Energy Saving*
- | 高效精準 *High Precision*
- | 保養簡易 *No Maintenance*
- | 無油低噪 *No Hydraulic*



全電優勢 Why Go Full-Electric?

- 節能省電20%~70% Energy savings 20%~70%

伺服馬達僅在需要動作時運行，而油壓馬達則是連續並且以固定的速度運行。此外，液壓油需要冷卻，這會消耗更多能量。現在可以取消用於此目的的20-40噸冰水機設備。

Inherently higher efficiency of electric motors and the fact that electric motors operate only when needed, whereas hydraulic motors pump continuously and usually at a fixed speed. Moreover, hydraulic oil requires cooling, which consumes more energy. A 20-40 ton chiller used for this purpose can now be eliminated.

- 精密穩定，生產效率提升 Precise and more efficiency

由於電機的控制改進，空循環時間可以快20%。全電機型的可編程性和位置反饋能力比油壓機型更容易控制與精確。

Dry-cycle time can be up to 20% faster due to the control improvements on the electric machine. The programmability and position-feedback capability of an electric motor permits much tighter control than compressible hydraulic oil.

- 無油汙，保養維修容易 No hydraulic, easy maintenance

伺服馬達低噪音，無油汙與漏油問題。液壓油處於壓力和熱量之下，長時間的使用會降低油的品質，導致油汙沉積在閥門上，並且積聚堵塞於油管中，導致響應速度變慢，準確度降低。無油系統讓維修與保養更容易。

All-electric machines are quieter, and no oil leakage problem. Hydraulic fluids are always under pressure and heat, it can degrade over time, causing varnish to deposit on valves. The oil also can amass dirt that clogs lines, leading to a slower, less accurate response. Therefore, all-electric offers easy maintenance and less labor require.

理論效益評估 Theoretical Efficiency Evaluate

(全油壓與全電機型比較 Compare hydraulic & full-electric machine)

	油壓 Hydraulic CM-65	全電 Full-electric CMFE-65
每小時耗電量 * 耗能% Power Consumption/1 hr	30 kw * 100%	23.5 kw * 30%~80% (依循環時間而定) (Depends on production cycle time)
節能效果 Power Saving effect	0%	20%~70%
節能效果 Calculation	1天(24hrs)	720 kw
	1月(22 days)	15,840 kw
	1月省電度數 saving/22 days	15,840-(4,752~12,672)=3,168 kw~11,088 kw

*以上理論為參考數值，省電效果依使用情形會有不同效果。

*According to above theory, the effect on power saving is depended on using situation.

M A C H I N E SPECIFICATIONS

MODEL 機型	UNIT	CMFE-45/55/75/90
螺桿直徑 Screw Diameter	mm	45/55/65/75/90
模頭擠出型式 Diehead	-	連續式壓出 Continuous Type
移模&開關模 Clamp & Carriage	-	平移曲柄式 Toggle with Horizontal
每小時壓出量 Extrusive Capacity	kg/hr	25/37/60/78/105
變頻馬達 Inverter Motor	HP	7.5/10/15/20/25 (依機型不同Depends)
鎖模力 Mold Clamping Force	ton	4/5.5/8/9/10.5
控制系統 Control System	-	電腦觸控式螢幕 Computerised with Color Touch Screen
產品容量 Products Capacity	ml	80~5000 (依機型不同Depends)
選配功能/設備 Optional Function	厚薄控制、視窗線、除溢料裝置、切瓶口裝置 瓶口冷卻裝置、多層共擠、成品取出機械手 Parison Control、Visi Strip、Deflshing、 Neck Trimmer、Post Cooling、Multi-Layers、 Take-Out Robot	

- 備註
1. 以上規格僅供參考，如有變動恕不另行通知。
 2. 如需特殊規格需求，請與我們洽詢聯絡。

- Remarks
1. Specifications are subject to change without notice.
 2. Please feel free to contact us for special requirements.





嘉明機械股份有限公司

www.cm-pet.com



cm-pet.com



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ADD No.90. Dongcheng Rd., North District,
Taichung City 40463, Taiwan

TEL 886-4-22332281

FAX 886-4-22306247

EMAIL sales@cm-pet.com