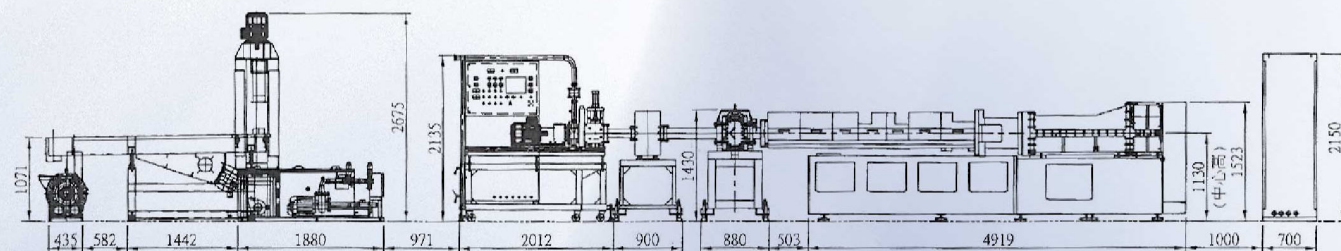




CM-CTE90流程图 CM-CTE90 Flow Chart:



機械參數(Mechanical Parameters)

型號 Type	CTE90
螺桿直徑 Screw Diameter (mm)	90/175
加工長度 Length Processing Unit (mm)	2500
加熱區 Heating Zone	6
加熱功率 Heating Capacity (KW)	128
押出機動力(KW) Extruder Drive (KW)	240-280
產能 Throughput (kg/hr)	650-1200

*產能因原料的黏度、特性以及篩網孔徑大小的不同會有所差異

*Throughput depends on properties, viscosity, degree of contamination and screen mesh.

機械特性(Mechanical Property)

適用原料 Suitable Material	Pre-drying A-PET/G-PET/PET-GAG/PLA PP/PE + CaCO ₃ (50~80%) PP/PE + TiO ₂ (50~80%)
原料形狀 Shape of Material	PET瓶片、粉碎料 Pellets and bottle flake
適用黏度 Suitable I.V.	0.6~0.72 dL/g

*原料形狀若為粉狀、薄膜或者其他特殊入料要求，需額外添購設備，世洲提供全套諮詢服務

*If your input-material has special request, Continent would also provide the tailor-made solution.



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Co-Rotating Conical Twin Screw Extruder
Under Water Pelletizing System
R-PET Re-Granulate System

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專業的聚酯PET回收造粒系統 Professional R-PET Re-Granulate System



回收物 Recycle materials

高濃度母粒 High percentage master batch



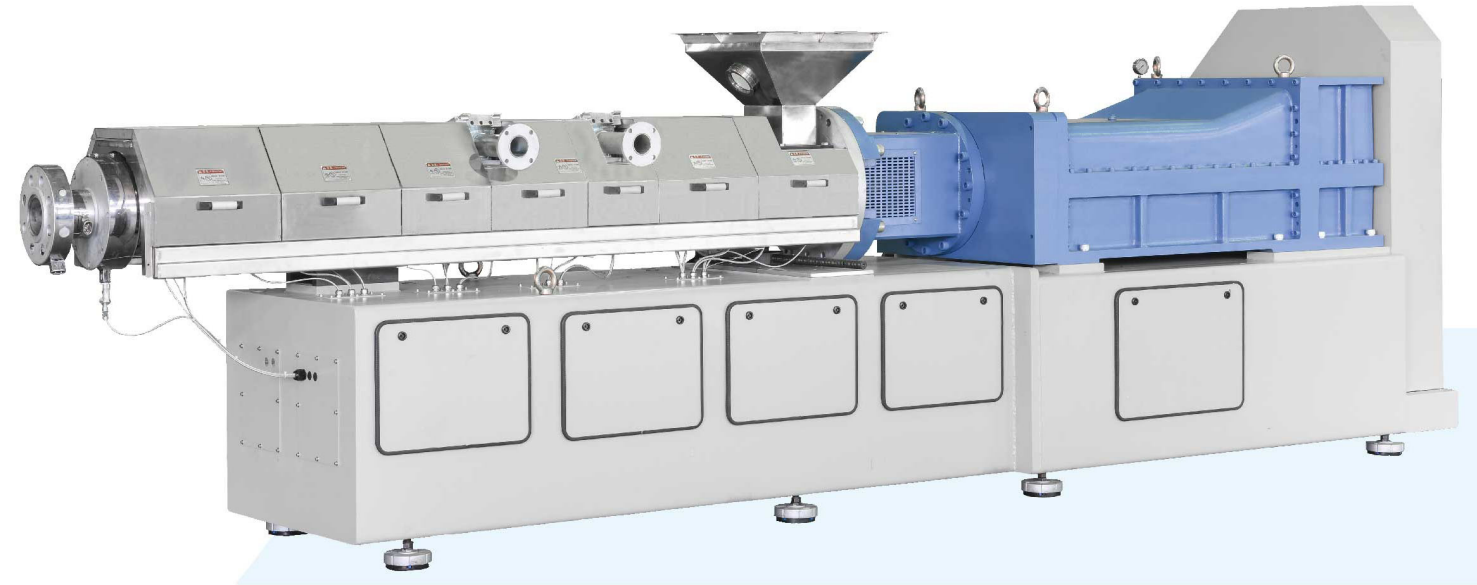
世洲機械工藝一直走在台灣尖端，因應市場需求並針對節能減碳的世界潮流所開發的最新設計：

Continent is always in the lead of Extrusion Technology in Taiwan, in order to advocate the Carbon Reduction Policy, we design this CTE-90 for the R-PET production:

世洲圓錐形雙螺桿押出機跟傳統平行同向雙螺桿相比具有以下優點：

In comparison to traditional parallel co-rotating twin extruder:

- *較大的入料口及更多入料容積
Larger feed opening and intake volume
- *較高的螺桿填充度在較低轉速的生產過程中也能維持一定產能
Higher screw filling degree can result higher output while in a lower screw speed
- *加工過程的能耗較低
Energy saving through inline processing
- *物料停留時間較短，可維持較佳的I.V.值
Short dwelling time can receive less I.V. drop
- *不需側供料也能直接餵入添加劑及填充物
Feeding additives and fillers without side feeders
- *更適合做高填充/有機/無機粉體的參混造粒
Suitable for high fillers processing as well as high organic and inorganic pigments processing



齒輪箱為世洲自行研發製造，經久耐用，後續的維修保養零件更換皆可快速進行。

Gear Box : made by Continent, endurable ,easily to maintain and replace the parts.

相較於傳統的平行同向雙螺桿，螺桿以圓錐前寬後窄設計，可使入料融熔段承受更大的扭力，並且提供較大的入料容積，獨特的螺桿設計可處理瓶片、顆粒、二次研磨、低密度的膜及纖維以及含添加物及填充物的原料。

Conical Screw: Comparing with traditional co-rotating twin screw, the conical twin screw is tapered from feeding section to end section, it provides larger intake volume and bears more torque force, this special design is suitable for flake, pellets, regrind low-density film, fiber and the material with additives or fillers.

配合這樣的螺桿設計可以加大進料口使其有更大的進料量，更適合含添加劑及高填充(碳酸鈣或鈦白粉)/有機粉體/無機粉體的參混造粒。

In the light of this conical screw design, the extruder has a large feeding opening and intake volume, it's more suitable for producing the compound with additives and high level CaCO₃ or TiO₂, as well as organic and inorganic powders.

料管設計長度較短可使熔體停留時間縮短讓粒子維持較佳的I.V.值跟顏色，亦可降低單位能耗。

Barrel: shorter barrel design leads to shorter dwelling time. Material receives less I.V. drop and discoloration with a lower per-unit energy cost.

