

MG SERIES 高壓對滾機 HIGH PRESSURE GRINDING ROLLS

高產量
High Capacity

低磨耗
Low Wear

低噪音
Less Noise

產品粒型佳
Excellent Particle Shape



CMC ChyiMeang
machinery
啓銘機械股份有限公司
Chyi Meang Machinery Co., Ltd.

CMC MG SERIES HIGH PRESSURE GRINDING ROLLS

The Best Solutions for High-Quality Manufactured Sand and Aggregate

啓銘高壓對滾機:生產高品質機製砂和骨材的最佳解決方案

The Ideal Choice for Sand-Making Machine

製砂設備的理想選擇

- 大尺寸軸承
Large Bearing
- 更低的能源磨耗
Less Energy Consumption
- 恆定破碎且產量高
Stable Crushing and Higher Capacity
- 多用途產品分級:
整型、粗砂、細砂
Versatile Production Gradation:
Shaping, Coarse Sand and Fine Sand
- 產品粒型佳，最佳FM值
Excellent Particle Shape and Best FM Value



FEATURES AND ADVANTAGES

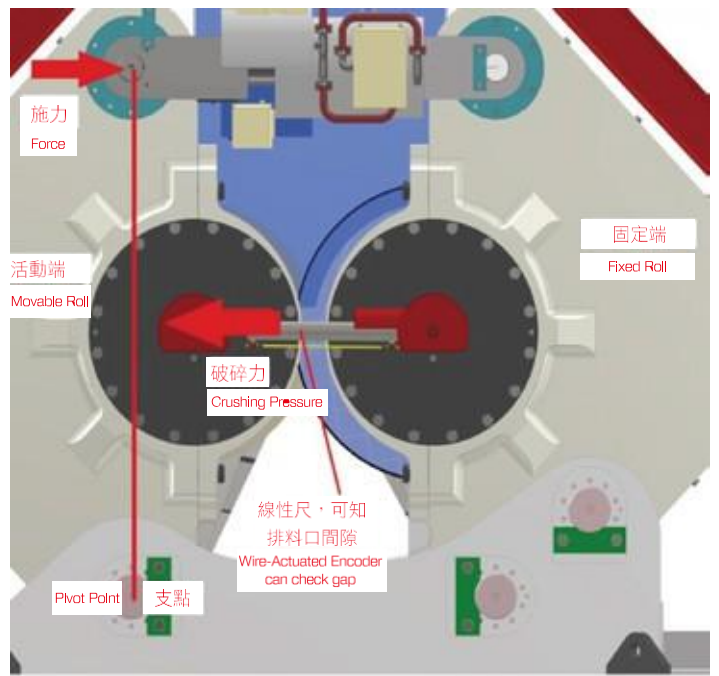
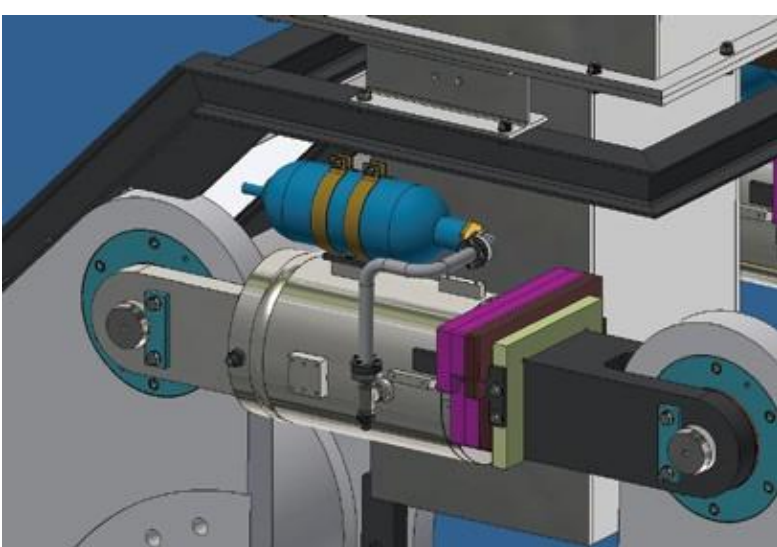
設備特點與優勢

Constant Discharge Set & Hydraulic Arm of Force

恆定破碎腔和力臂

啓銘MG系列高壓對滾機，能以恆定的破碎腔，破碎出粒型佳的產品。此外，更能降低您的投資成本並大幅節省能源與電耗。通過力臂與油壓缸，組合成恆定破碎腔，生產出粒型優的成品。搭配固定端滾子中，可更換的滾子側邊法蘭(碳化鎢材質)，使破碎物平均落在滾子的輪面上，使滾子的磨耗可以更加平均。

CMC MG Series enables you to utilize a constant crushing chamber to produce the consistent particle size. In addition, this helps to reduce the investment cost and cost down the energy consumption. CMC MG Series uses a combination of Arm of force and hydraulic cylinder to maintain a constant crushing chamber to make its particle size consistently.

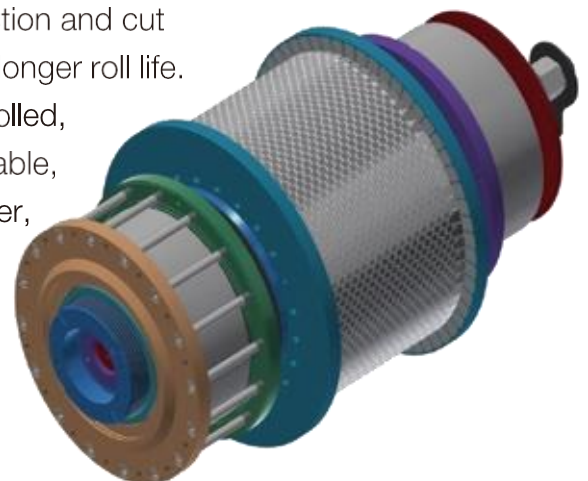


Lower Production Cost

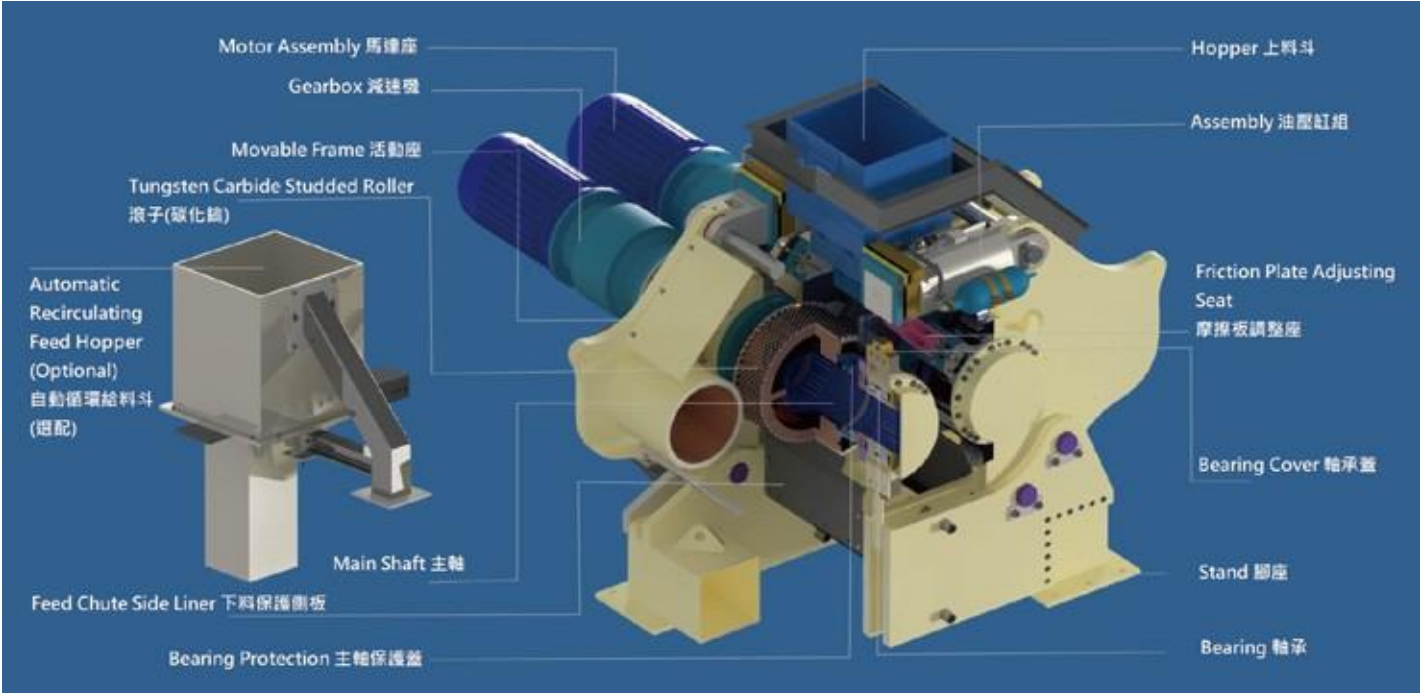
降低生產成本

啓銘MG系列滾子能提高生產效率並降低生產成本，更能延長滾子的使用壽命。此外，該機器的破碎間隙能自動控制，始終保持恆定，產量穩定，進而減少回料、粉末和流失率。

CMC MG Series rolls can result in the high-efficiency production and cut down the production cost. In addition, this brings about the longer roll life. Moreover, the machine discharge gap is automatically controlled, which is constantly maintained. Ultimately, the capacity is stable, and this can lead to less returned product, cause less powder, bring in low churn rate.



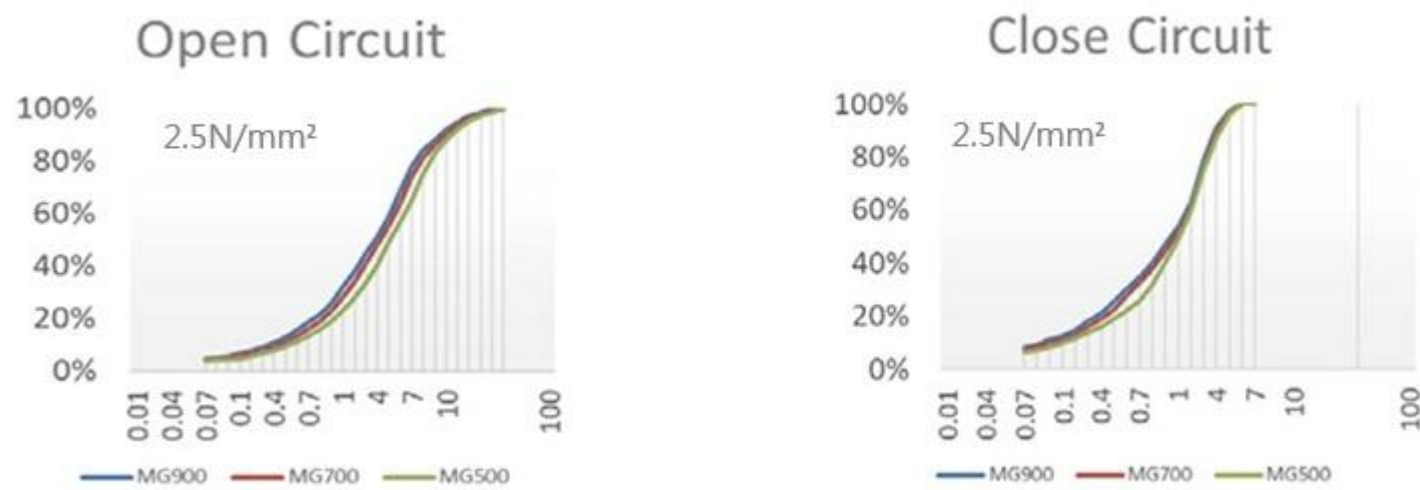
Specification & Main Components 機台規格和主要部件



Equipment 機台	High Speed Grinding Rolls 高壓對滾機		
Model 型號	MG900	MG700	MG500
Capacity 產能	106 ~ 186 TPH	85 ~ 110 TPH	56 ~ 73 TPH
Speed (RPM) 轉速	27 ~ 36 RPM	29 ~ 38 RPM	26 ~ 35 RPM
Power (HP) 馬力	175 HP X 2PCS	100 HP X 2PCS	50 HP X 2PCS
Dimension of Roller 滾子尺寸	880 x 580 mm	680 x 420 mm	540 x 360 mm

Remark: The data is for reference only. Actual specifications are subject to the final products provided by CMC.

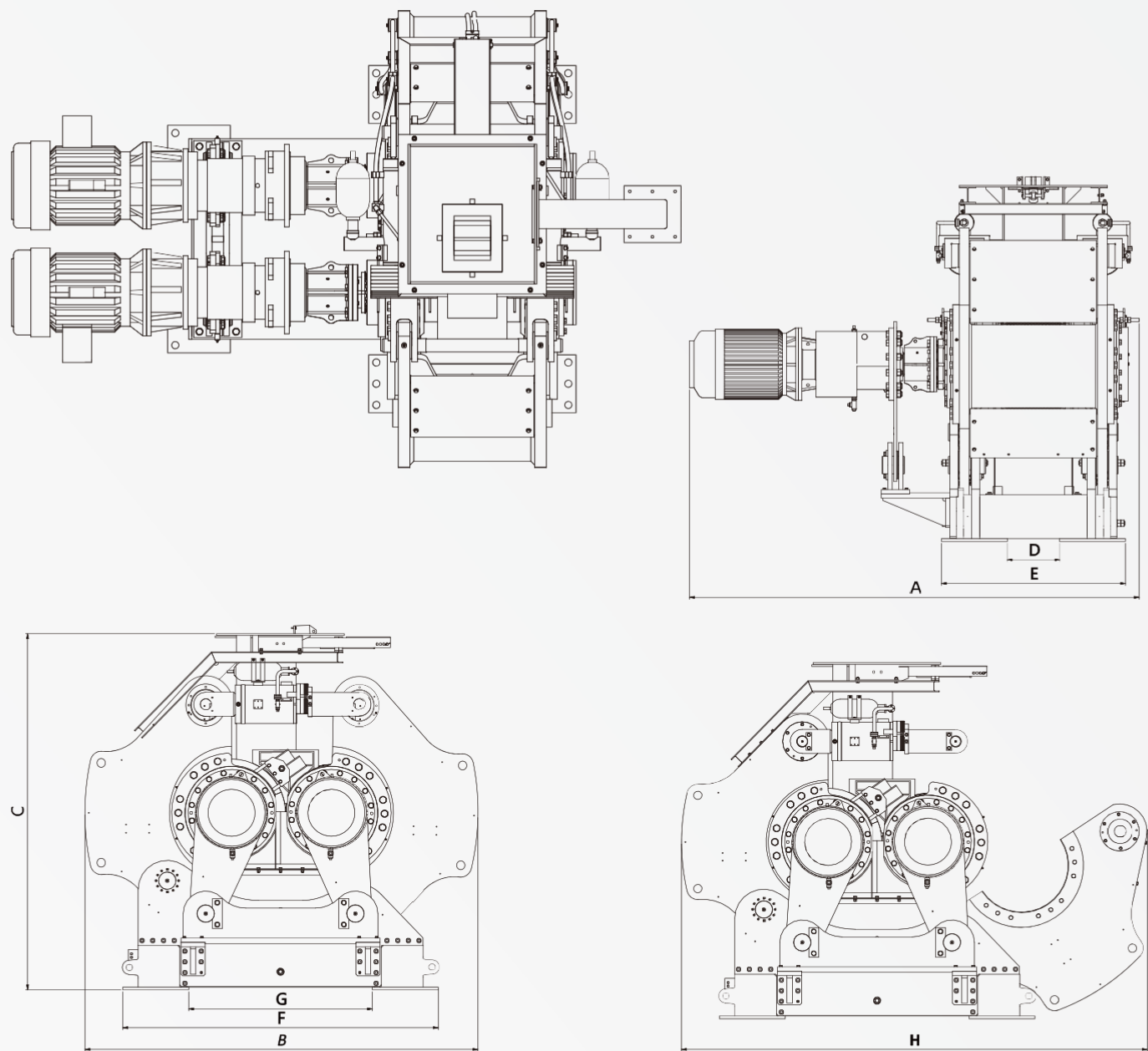
備註:數據僅供參考，實際規格以CMC最終提供的產品為準。



* Curves shown are for illustration only and may vary under actual operating conditions.

備註: 所示曲線僅供參考示意，實際運行條件下可能有所不同。

Machine Outer Dimension 機器外型尺寸圖



Dimension (mm) 外型尺寸									Weight (KG) 重量
Model 型號	A	B	C	D	E	F	G	H	
MG500	3,094	2,369	2,149	275	1,075	1,800	1,200	2,796	10,471
MG700	3,670	3,031	2,521	448	1,448	2,200	1,200	3,437	16,364
MG900	4,096	3,580	3,245	474	1,674	2,873	1,673	4,240	36,953

Remark: Dimensions are subject to slight adjustments based on site conditions, process requirements, design, and other factors.

備註:尺寸可能會因現場條件、製程需求、設計及其他因素而略有調整。

UNIQUE EQUIPMENT

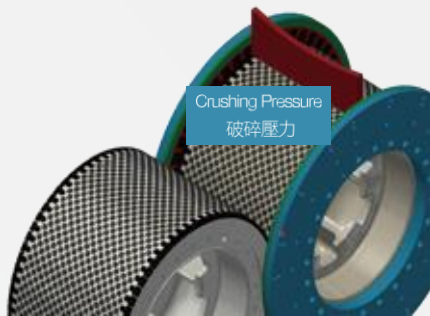
獨特的配備

The Significance of Side Flanges

側邊法蘭的重要性

With Flanges,
the crushing
pressure is
average and
the rolls
wear evenly.

搭配側邊法蘭的
滾子，使其破碎
壓力達到平均，
進而讓滾子的
磨耗均勻。



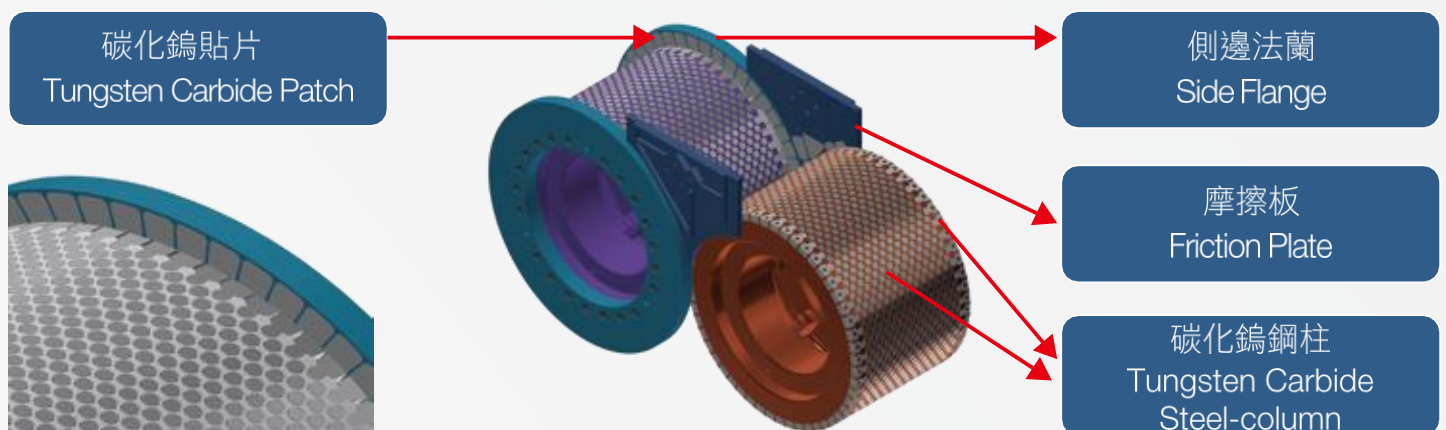
Without Flanges,
the crushing
pressure is
concentrated on
the middle, so
the rolls wear
out in the middle.
未加側邊法蘭的
滾子，其破碎壓力
集中在中央，因此
滾子會磨耗中央。

Fixed End Roll Side Flanges

固定端滾子側邊法蘭

啓銘MG系列固定端滾子，搭配可更換的側邊法蘭(鑲嵌碳化鎢貼片)。擁有側邊法蘭的滾子，能使其破碎壓力平均，達到滾子的均勻磨耗。雖然搭配側邊法蘭的滾子，可以將破碎壓力平均分配在滾子上。然而這將會加速造成滾子側邊法蘭的磨耗(因為當滾子有損耗且不能維持固定間隙時，這將會造成破碎成品的粒型不一)。所以，我們將滾子側邊法蘭鑲嵌碳化鎢貼片，並且做成單片式替換。這不僅實現不需拆卸滾子就能更換整片側邊法蘭，更能減少更換耗材所造成的機台停機時間。

CMC MG Series Fixed End Roll, with replaceable Flanges of Tungsten Carbide Patch inside, it totally change unevenly crushing pressure of the rolls. The crushing pressure of the feeding material from the crushing chamber will be average and the rolls can reach the function to be worn evenly. However, it will accelerate the wear of the roll side flange (because its grinding will cause different particle shape while maintaining in an inconsistent gap). Therefore, we make it as a single-piece replacement for the tungsten carbide patch from the flanges. There is unnecessary to remove the entire roll to replace the side flange, reducing the downtime in replacing the consumables.

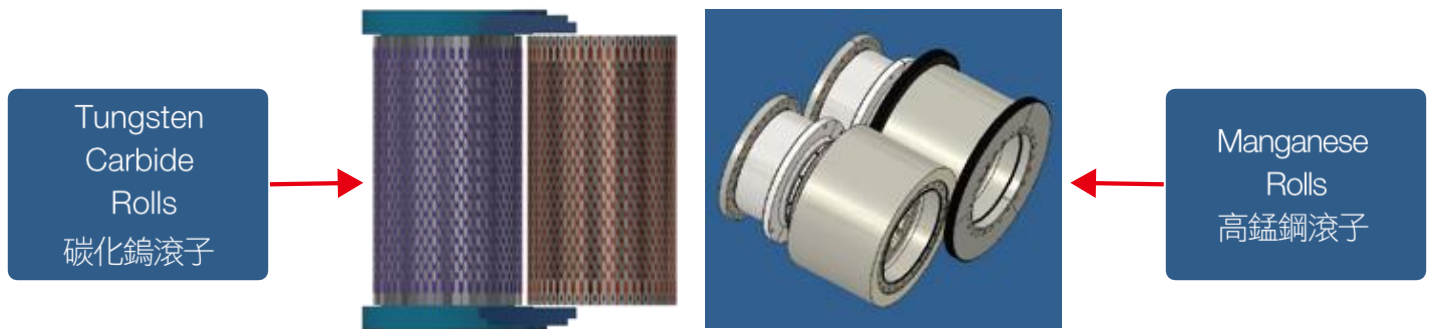


CUSTOMIZED DESIGN

客製化的設計

Manganese Rolls or Tungsten Carbide Rolls

高錳鋼滾子或碳化鎢滾子



Manually Controlled System (手動控制系統)

優點:

- A. 維修方便性: 當損壞時，不需等待電控專員的指導或更換，技師可先自行排除障礙。
- B. 容易操作性: 操作起來清晰易懂，減少操作人員教育訓練的時間。

Advantage:

- A. Convenient Maintenance: Semi-Auto Control System is easy to fix when facing the malfunction problem. It's unnecessary to wait for guidance or replacement from the electronic-control specialist.
- B. Easy to Operate: It is more intuitive to operate the machine, reducing the time for the personal instruction.

PLC Electronic Control System (PLC控制系統)

優點:

- A. 高度可靠性: PLC控制系統具有高度可靠的運作能力，能夠長時間連續工作而不容易故障。
- B. 方便維護性: PLC控制系統具有良好的維護能力，故障診斷是相對容易。

Advantage:

- A. High Reliability: PLC control system has a highly reliable operation capability and can work continuously for a long time without being prone to failure.
- B. Easy to Maintain: PLC control system has good maintenance capabilities, fault diagnosis is relatively easy.

Manually Controlled System
手動控制系統

PLC Electronic Control System
PLC控制系統





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