GMA

政鈺機械股份有限公司
GMA MACHINERY ENTERPRISE CO., LTD.

PRECISION ADJUSTMENT

Coating Eqpt.

塗佈設備

材料試驗 TESTING

創新開發 INNOVATION

打樣試產 SAMPLING

技術合作 COOPERATION

塗佈模具系列

Slit / Slot Die

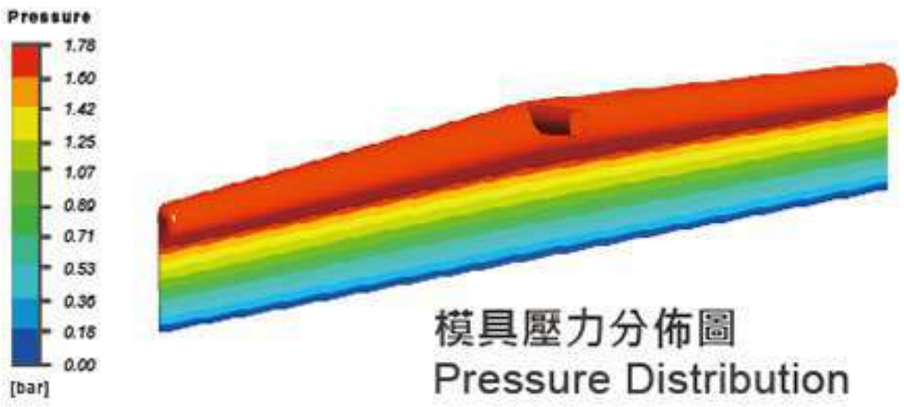
特色 Feature

政鈺重視客戶塗料及產品需求，專業研發人員利用3D電腦模擬軟體，搭配超過20年以上的專業經驗，根據流體特性來設計流道，從設計到安裝，政鈺提供完整的技術協助，為客戶量身打造最具優勢的產品。

With 3D computer simulation software, analyzing fluid characteristics, and design flow channel, all products are customized based on each customer's needs. By having 20 years of experience in this industry, GMA has confidence in providing best service from designing to assembling.

政鈺引進國外最新精密設備來實現高精密度，採用先進的研磨技術，使加工唇口的真直度在2um以內來降低模具寬幅的膜厚誤差。

GMA introduced the latest ultra-precision equipment and advanced grinding technology to process the lip straightness within 2 um- it reduces the deviation of coating film.



模具壓力分佈圖
Pressure Distribution

可視化流線圖
Streamline

塗佈模具
Slot Die

狹縫式雙層
Slot Die For 2 Layers

斜板式單/雙層
Slide Die For 2 Layers

狹縫式模具塗佈

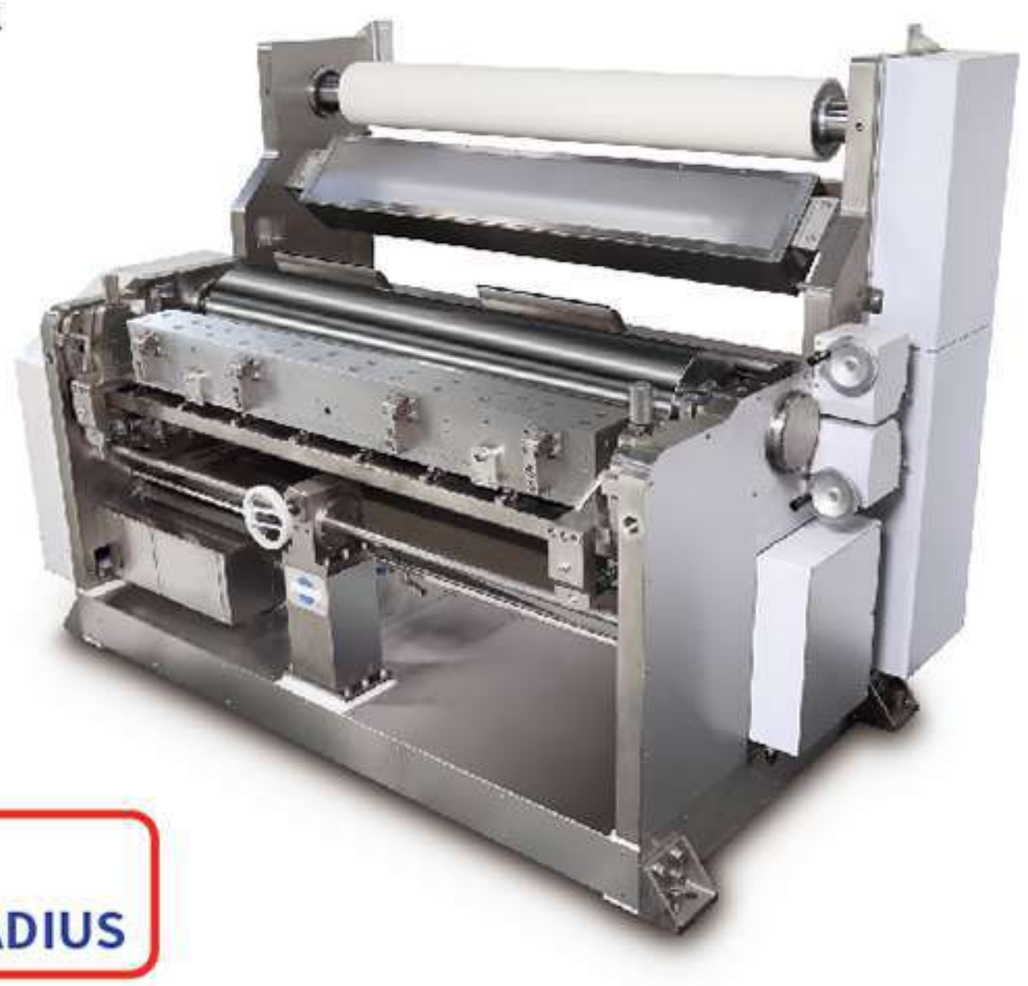
Slot Die Coating

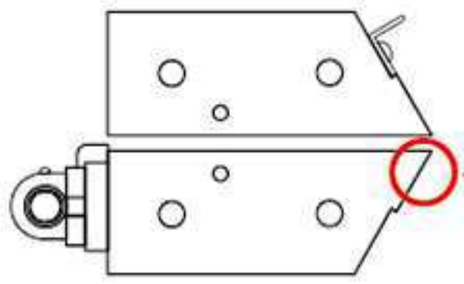
狹縫式模具塗佈座 Slot Die Coating Station

1. 搭配高精密狹縫塗佈模具，真直度/平面度達2um，表面粗糙度達Ra0.02um.
   High precision slot die with straightness and flatness at 2um. Surface roughness below Ra.0.02um

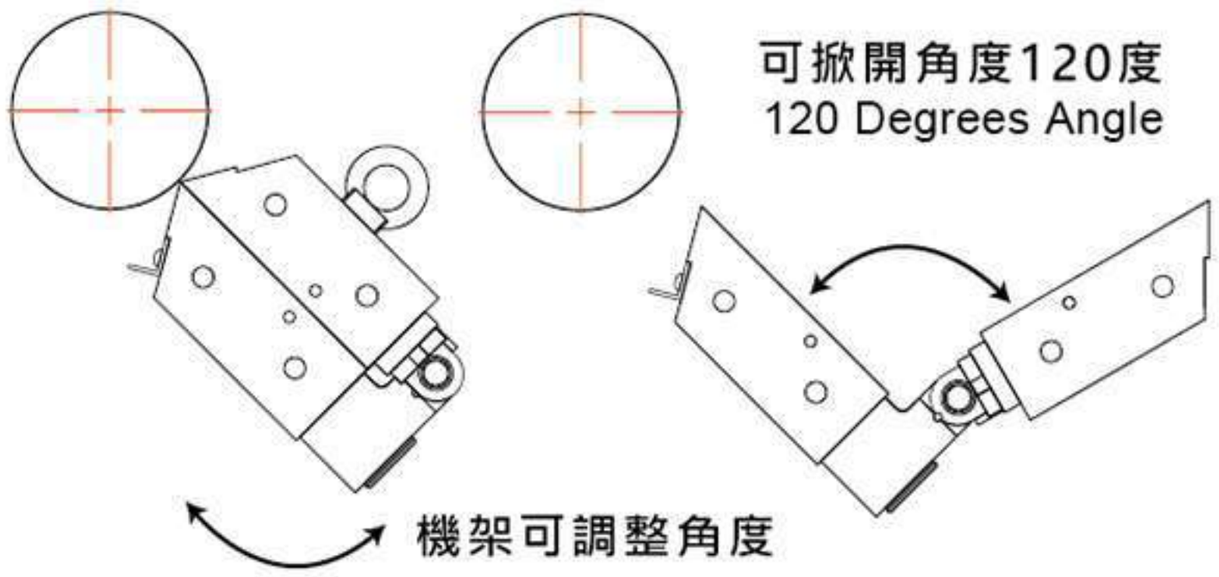
2. 高精密背膠輪真圓/真直度2um，表面粗糙度Rmax1.0S
   High precision coating roller with Surface Roughness: Rmax 1.0S, Roundness and Straightness: below 2μm

3. 電子顯示間隙控制，解析度1um
   Index knob movement with digital gap display. Resolution 1um





▲唇口採用超硬合金技術
Tungsten Carbide Lip



機架可調整角度
Die Position Adjustment

Feature

- Cleaning device for coating roller
- Inspection window
- Die position adjustment design
- Vacuum system
- Jumping system by air cylinder
- Nickel plating surface of all station.

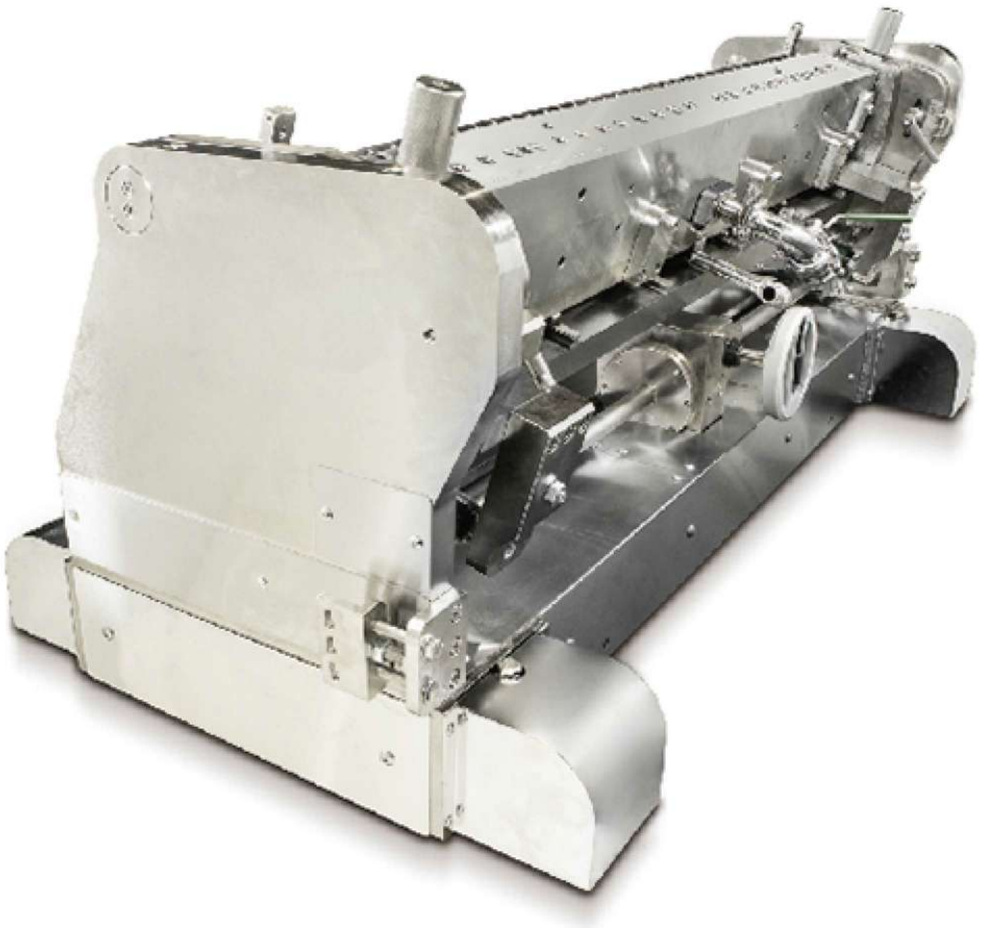
基座架構

- 背膠輪清潔機構
- 塗佈檢查視窗
- 角度調整機構
- 真空室設計
- 機構本體不鏽鋼鍍鎳防鏽處理
- 二段前進後退氣壓缸行程,過接料設計

狹縫模具 & 逗號刮刀塗佈

Slot & Comma Coating

卡匣塗佈座 Coating Stations and Cassettes



政鈺能以最簡易方式去調整並精進現有塗佈製程，保留現有刮刀塗佈，並利用現有背膠輪及傳動系統，使塗佈座同時具有兩種塗佈方式。

GMA is able to modify/improve your current station in the simplest way; the current Comma coating can be kept, in addition, with the utilization of the back roller and driven-system, the modified coating station will be equipped with two coating functions.

微凹式塗佈

Micro-gravure Coating

微凹塗佈座 Micro-gravure Coating Station

1. 適用低粘度及低塗佈量高精密塗佈生產
   High precision production for low viscosity and low coating thickness.

2. 機座輕量化，微凹板輪拆裝設計便利
   Easy disassemble Micro-Gravure roller and light-weight station.

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