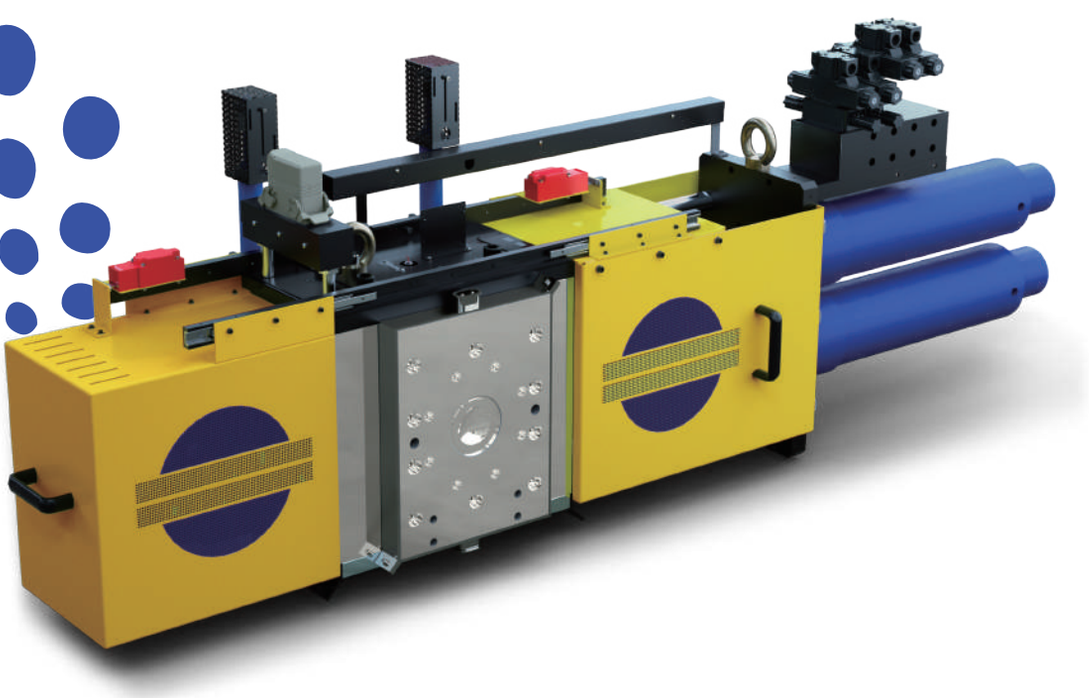
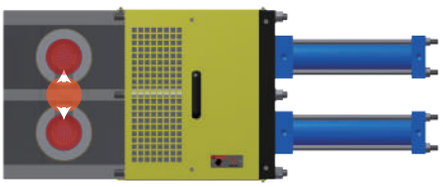
GMA

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

SCREEN CHANGER
過濾器系列

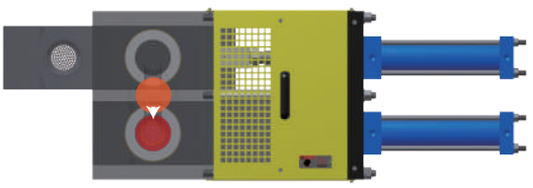


連續系列
Continuous Series



生產:兩個過濾網生產

Normal operation: two screen cavities in the process.



換網: 蜂巢板過濾腔移至過濾器外,仍保有一個過濾腔在過濾(50%過濾面積),即可換下使用過的網 目,裝上新的網目,再將蜂巢板移至生產位置

Screen change: ready to replace the plate, the shaft move out the body for operator replaces the plate, keep 50% capacity.

平板雙軸濾網

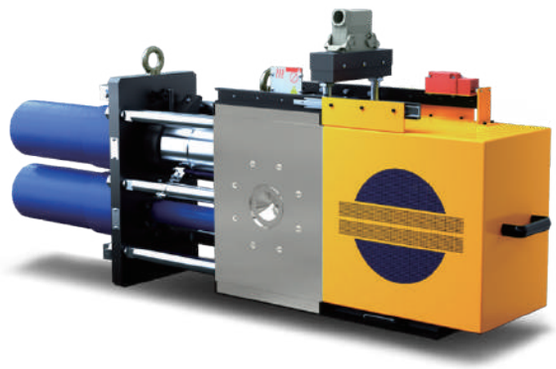
- 雙柱油壓缸設計，換網免停機持續生產且不斷料，降低損耗。
- 雙工位運作，更換網目時，仍可維持50%過濾效能。
- 可依需求選配護蓋板金全面保護，提高操作安全性。
- 適用多數塑膠原料，不適用含鹵素類(PVC、PVDF等)。
- 應用:光學製品、押出薄膜、淋膜、押出板材、高度回料使用以及抽絲產線等。

Dual Slide Plates

- Dual piston, replacing mesh without stopping production line, ensuring continuous production, thereby reducing losses.
- With two station operation, even during mesh replacement, it can maintain 50% filtration efficiency.
- Optional protective cover plates can be selected according to requirements to provide comprehensive protection, enhancing operational safety.
- Suitable for most plastic materials, excluding halogen-containing ones like PVC and PVDF.
- Applications: optical products, films, lamination, sheet extrusion lines, high percentage recycled material processing etc.

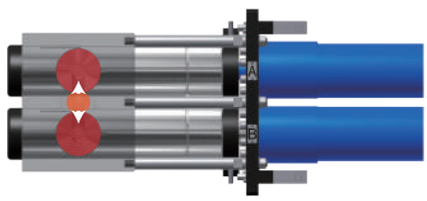
型號 Model	處理量 (kg/hr) Capacity	蜂巢直徑 Fiiter dia.	過濾面積 (cm²) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議網目直徑 (mm) Recommend mesh dia.
No 66	120~250	ø66	28*2	8	2	ø62.5
No 90	230~450	ø90	50.3*2	8	2	ø85
No 113	300~650	ø113	78.5*2	8	2	ø101.5
No 132	400~950	ø132	113*2	8	2	ø125
No 155	600~1200	ø155	154*2	8	2	ø141.5
No 175	800~1600	ø175	201.1*2	8	2	ø161.5

連續系列
Continuous Series



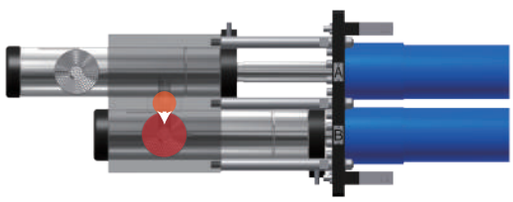
軸心式雙軸濾網

- 雙柱油壓缸設計，換網免停機持續生產且不斷料，降低損耗。
- 雙工位運作，更換網目時，仍可維持50%過濾效能。
- 因應生產需求可選配電控操作系統以及全自動排氣裝置。
- 可依需求選配護蓋板金全面保護，提高操作安全性。
- 適用多數塑膠原料，不適用含鹵素類(PVC、PVDF等)。
- 應用:光學製品、押出薄膜、淋膜、押出板材、高度回料使用以及抽絲產線等。



生產:兩個過濾網生產

Normal operation: two screen cavities in the process.



換網: 軸心上過濾腔移至過濾器外,此時仍保有一 個過濾腔在過濾(50%過濾面積),換下已使用過的 網目並裝上新的網目,再將軸心移至生產位置

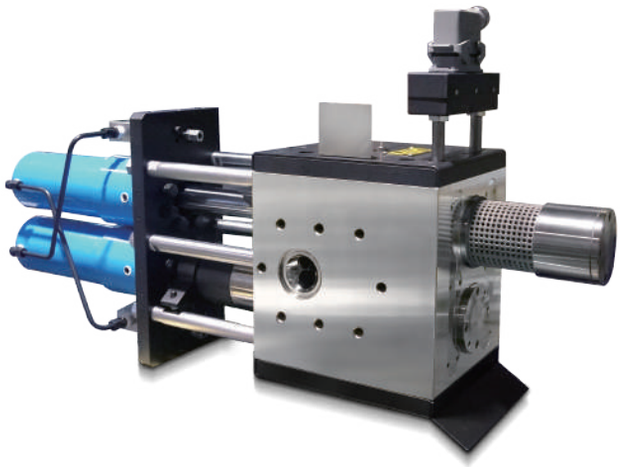
Screen change: Ready to replace the mesh, the shaft move out the body for operator replaces the mesh, keep 50% capacity.

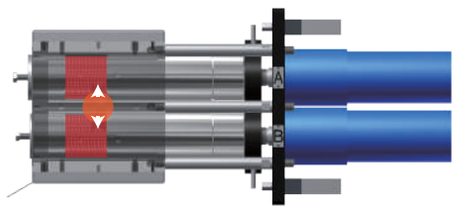
Dual Piston

- Dual piston, replacing mesh without stopping production line, ensuring continuous production , thereby reducing losses.
- With two station operation, even during mesh replacement, it can maintain 50% filtration efficiency.
- Optional oil pressure unit and auto-venting can be selected for meeting production.
- Optional protective cover plates can be selected according to requirements to provide comprehensive protection, enhancing operational safety.
- Suitable for most plastic materials, excluding halogen-containing ones like PVC and PVDF.
- Applications: optical products, films, lamination, sheet extrusion lines, high percentage recycled material processing etc.

型號 Model	處理量 (kg/hr) Capacity	蜂巢直徑 Fiiter dia.	過濾面積 (cm²) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議網目直徑 (mm) Recommend mesh dia.
No 46	20~55	ø46	16.6*2	6	1	ø46
No 58	40~160	ø58	26.4*2	6	1	ø58
No 76	65~250	ø76	45.3*2	6	1	ø76
No 96	120~360	ø96	72.3*2	6	1	ø96
No 125	250~600	ø125	122.7*2	6	1	ø125
No 160	400~950	ø160	201*2	12	2	ø160
No 176	550~1450	ø176	243.2*2	12	2	ø176
No 200	800~1800	ø200	314.1*2	12	2	ø200

連續系列
Continuous Series

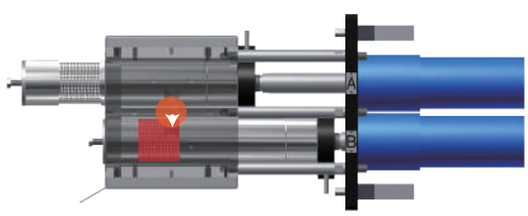




生產:正常情況下兩個過濾網生產
Normal operation: two screen cavities in the process.

大面積雙軸濾網

- 雙柱油壓缸配合大面積濾網設計，過濾面積較雙軸濾網增加約2.5倍。
- 換網免停機，保持50%過濾效能，持續生產不中斷。
- 可搭配全自動排氣裝置，配合特殊引流，換網時不斷料。
- 可選配的護蓋配件 ，提高操作的安全性。
- 適用多數泛用性塑膠，不適用含鹵素類(PVC、PVDF等)。
- 應用領域: 光學製品、押出薄膜、淋膜、押出板材、高度回料使用以及抽絲產線等。



換網: 軸心上過濾腔移至過濾器外,此時仍保有一 個過濾腔在過濾(50%過濾面積),換下已使用過的 網目並裝上新的網目,再將軸心移至生產位置

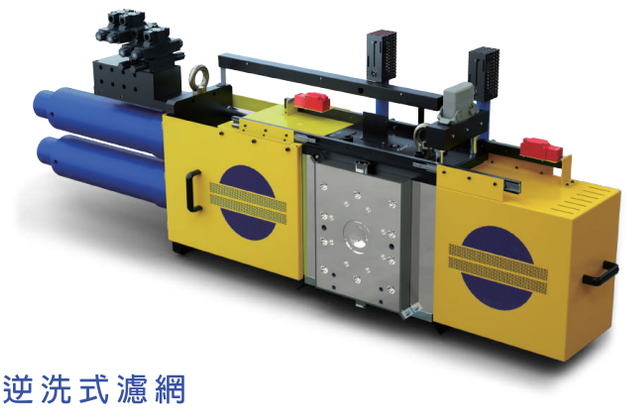
Screen change: ready to replace the mesh, the shaft move out the body for operator replaces the mesh, keep 50% capacity.

Large Filtration

- Dual piston with large area filter design, compared with dual piston type, enhance filtration area 2.5 times.
- Replacing mesh without stopping production line, maintain 50% filtration efficiency, ensuring continuous production, thereby reducing losses.
- Optional oil pressure unit and auto-venting can be selected for meeting production.
- Optional protective cover plates can be selected according to requirements to provide comprehensive protection, enhancing operational safety.
- Suitable for most plastic materials, excluding halogen-containing ones like PVC and PVDF.
- Applications: optical products, films, lamination, sheet extrusion lines, high percentage recycled material processing etc.

型號 Model	處理量 (kg/hr) Capacity	過濾面積 (cm^2) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議濾帶尺寸 (mm) Recommend filter belt size	網目可用厚度 (mm) Total thickness of mesh
No 110	200~500	254*2	6	1	310*85	4
No 140	350~1000	511*2	6	1	405*130	4
No 180	550~1350	984*2	12	2	530*190	4
No 200	1250~2500	1220*2	12	2	595*210	4
No 330	2000~3500	2772*2	12	2	1000*280	4

連續系列
Continuous Series

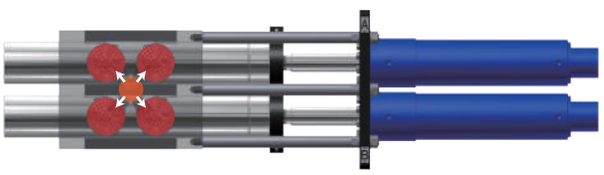


逆洗式濾網

- 雙柱四工位作動，免停機換網，換網、逆洗時保持 75 % 過濾效能，可減少壓力波動。
- 逆洗功能可延長濾網使用時間，減少更換濾網頻率。
- 全自動逆洗和排氣功能可減少換網所產生的塑料消耗，有效降低成本。
- 安全護蓋設計，提高操作人員的安全性。
- 適用多數泛用性塑膠，不適用含鹵素類(PVC、PVDF等)。
- 應用領域: 製粒、打包帶、押出薄膜、押出板材、高度回料使用以及抽絲產線等。

Back-Flush

- Dual piston with four stations, replacing mesh without stopping production line, maintain 75% filtration efficiency, ensuring continuous production, thereby reducing losses.
- Back-flash function extend mesh life time, reduce replacement frequency.
- Auto-back-flash and auto-venting avoid from loss of replacement mesh, reduce production cost.
- Optional protective cover plates can be selected according to requirements to provide comprehensive protection, enhancing operational safety.
- Suitable for most plastic materials, excluding halogen-containing ones like PVC and PVDF.
- Applications: granulation, package tape, films, lamination, sheet extrusion lines, high percentage recycled material processing etc.

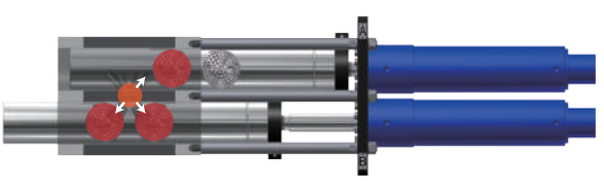


生產:四個過濾網生產

Normal operation: four screen cavities in the process.

逆洗: 當濾網上污染的累積達到設定的壓力差時(▵p) ,軸心可自動移動至逆洗位置,將汙染排出後軸心再 移至生產位置

Back-flush: when the pressure difference (▵p) reach the setting value, the shaft will move for starting back flush, exhaust polymer then move back to the original position.

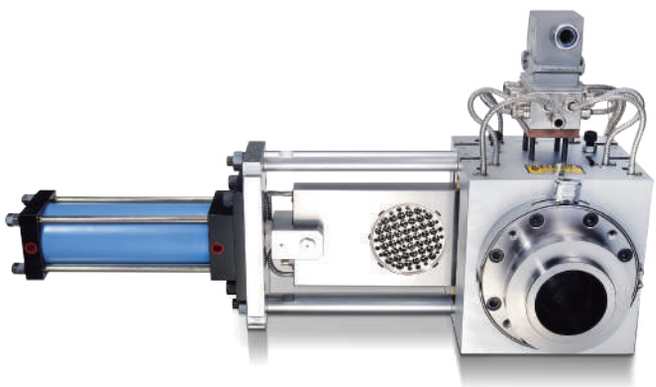


換網: 換網時,軸心上過濾腔移至過濾器外,即可 換下髒的網目,裝上新的網目,再將軸心移至生產 位置,換網過程中,仍保有三個過濾腔在過濾

Screen change: the shaft move out the body for operator replaces the mesh, keep three screen cavities in the process.

型號 Model	處理量 (kg/hr) Capacity	蜂巢直徑 Fiiter dia.	過濾面積 (cm²) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議網目直徑 (mm) Recommend mesh dia.
No 76	150~550	ø76	45.3*4	14	4	ø76
No 96	250~650	ø96	72.3*4	14	4	ø96
No 125	500~1200	ø125	122.7*4	14	4	ø125
No 160	800~1800	ø160	201.0*4	14	4	ø160
No 176	1300~2500	ø176	243.2*4	14	4	ø176
No 200	1500~3600	ø200	314.1*4	14	4	ø200

連續系列
Continuous Series



平板式快速濾網

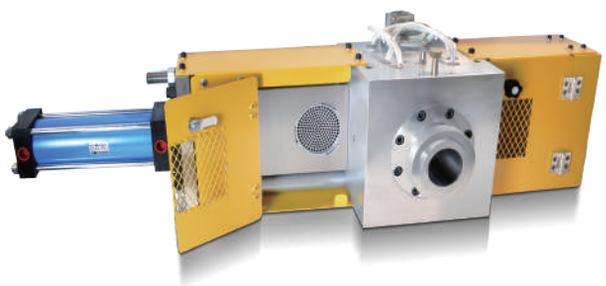
- 流道精加工處理，表面光滑可避免原料滯留。
- 活動式雙孔蜂巢設計，增加過濾效率且方便取出清潔。
- 搭配蓄壓缸使用，換網免停機，減少生產損失。
- 適用多數塑膠原料，不適用含鹵素類(PVC、PVDF等)。
- 應用:光學製品、押出薄膜、淋膜、押出板材等。

Non-stop Slide Plate

- The flow channel is with smooth surface via precision processing, avoid from material stay in channel.
- Movable break plates, enhancing filtration efficiency and easy removal for cleaning.
- With an accumulator cylinder, replacing mesh without stopping the production line, reducing production losses.
- Suitable for most plastic materials, excluding halogen-containing ones like PVC and PVDF.
- Applications: optical products, films, lamination, and sheet extrusion lines etc.

型號 Model	處理量 (kg/hr) Capacity	蜂巢直徑 Fiiter dia.	過濾面積 (cm²) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議網目直徑 (mm) Recommend mesh dia.	網目可用厚度 (mm) Total thickness of mesh
No 35	25~45	ø48	14	10	1~3	ø44	3
No 55	60~135	ø72	35	10	1~3	ø68	4
No 65	70~160	ø88	48	10	1~3	ø82	4
No 75	80~180	ø92	75.5	10	1~3	ø88	4
No 90	120~280	ø113	91.5	10	1~3	ø107	4
No 100	140~330	ø127	113	10	1~3	ø119	4
No 120	200~450	ø150	163	10	1~3	ø144	4
No 150	300~850	ø200	254	12	1~3	ø196	4
No 200	500~1350	ø248	452	12	1~3	ø240	6

非連續系列
Non-Continuous Series



油壓平板式濾網

- 流道經加工處理，表面光滑可減少原料滯留。
- 單一蜂巢過濾元件與油壓缸設計，操作簡單便利。
- 適用多數塑膠原料，不適用含鹵素類(PVC、PVDF等)。
- 應用:押出薄膜以及板材產線。

Hydraulic Slide Plate

- The flow channel is with smooth surface via precision processing, avoid from material stay in channel.
- Movable break plates and hydraulic cylinder, easy operation and removal for cleaning.
- Suitable for most plastic materials, excluding halogen -containing ones like PVC and PVDF.
- Applications: films and sheet extrusion lines etc.

規格表同平板式快速濾網
Specification same with non-stop slide plate

槓桿式濾網

- 手動方式更換蜂巢，操作簡單，無須油壓設備控制，節省空間且降低油電消耗。
- 活動式蜂巢設計，便於清潔，適用頻繁更換原料及色料生產。
- 蜂巢孔位定位精準，不產生段差現象。
- 適用多數泛用性塑膠，不適用含鹵素類(PVC、PVDF等)。
- 應用領域: 押出實驗機、吹袋機等。

Manual With Lever Gear

- Manual type. easy to replace the mesh and operate, no need pressure oil unit, save space and energy consumption.
- Movable break plate, easy removal for cleaning, suitable for frequently changing material or colors.
- Break plate precision position, no height difference.
- Suitable for most plastic materials, excluding halogen -containing ones like PVC and PVDF.
- Applications: extrusion lab lines, bag blowing machine etc.

槓桿式濾網規格表 Specification of Lever gear

型號 Model	處理量 (kg/hr) Capacity	蜂巢直徑 Fiiter dia.	過濾面積 (cm^2) Filter area	電熱管數量 Heaters	電熱分區 Heating zone	建議網目直徑 (mm) Recommend mesh dia.	網目可用厚度 (mm) Total thickness of mesh
No 25	10~35	ø30	7	1	1	ø30	3
No 35	25~45	ø42	14	1	1	ø42	3
No 45	30~80	ø55	24	1	1	ø55	4
No 55	50~130	ø67	35	1	1	ø67	4
No 65	70~160	ø78	48	1	1	ø78	4
No 75	80~180	ø98	75.5	1	1	ø98	4
No 85	110~250	ø107	85	1	1	ø104	4
No 90	120~280	ø116	88	1	1	ø106	4

GMA

政鈺機械股份有限公司

GMA MACHINERY ENTERPRISE CO., LTD.

43547台中市梧棲區永興路二段362巷28號 | No.28 Lane 362, Sec. 2, Yung Hsing Rd., Wu Chi Dist., Taichung, Taiwan

+886-4-26303228 info@gma.com.tw +886-4-26303208 www.gmatw.com