



Introduce and showcase

KMP 技術可根據您的真空搬運專案需求，為您提供整套真空搬運系統。注重技術創新和產品性能穩定且保證整體方案的經濟性和效率性的優化服務，提供全方位服務來滿足您不同的項目需求。

我們通過專業訓練的銷售工程師和研發經理，為您提供各種快速的諮詢和解決方案，以滿足您的各種要求。

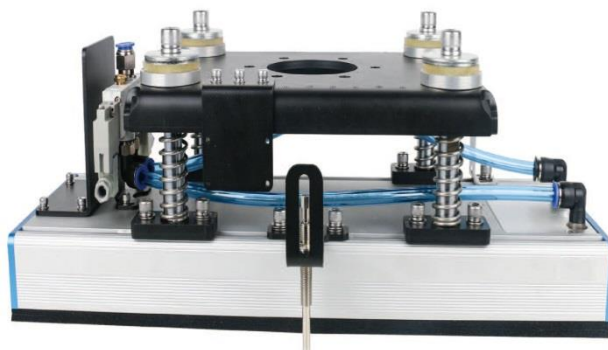
為您提供整套標準產品，也能夠根據客戶的特殊要求設計專用的客制化吸具。

KMP through professional training of sales engineers and R&D managers, to provide you with a variety of rapid consultation and solutions to meet your various requirements. KPA can provide you with a complete set of standard products, but also according to the special requirements of customers to design special customized sections.

KMP technology can provide you with a complete vacuum handling system according to your vacuum handling project requirements.

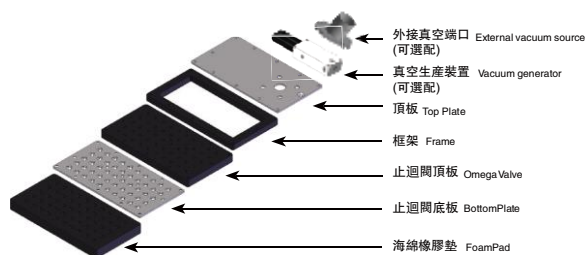
Pay attention to technical innovation and product performance stability and ensure the overall program economy and efficiency of the optimization.

Service, to provide a full range of services to meet your different project needs.

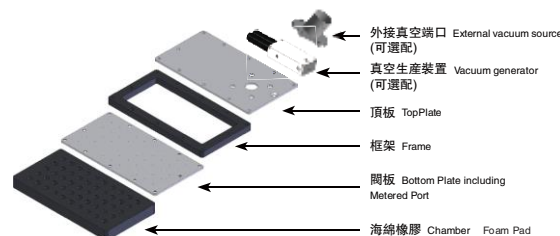


Explanation of valve body technology

止迴閥吸具(V) Valves Gripper (V)



流量閥吸具(L) Large flow valve Gripper (L)

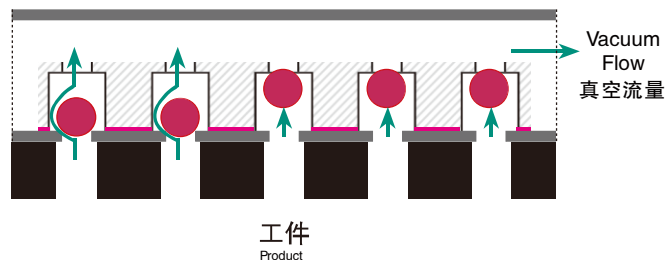


特點 Features

- Contains Auto-regulated Check Valves
- 每個開孔位內置獨立的真空腔體 止迴閥(止向閥)

- +建立真空後，保持穩定的真空度
Not sensitive to dust
- +未接觸到工件的孔位，能够自動關閉，減少真空泄漏
No filter needed
- +無需任何調整，自動識別工件，兼容性強
Designed for all types of surfaces

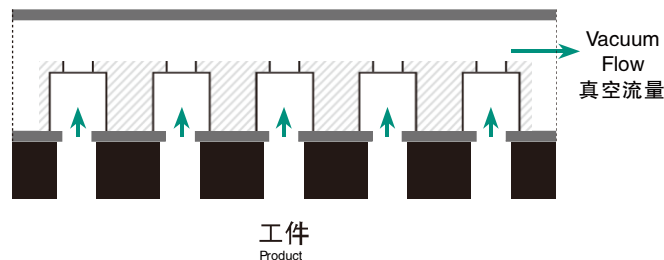
- 吸具旋轉不能超過80°，包含自動調節的止迴閥，適合水平垂直運動
Rotation of grippers can not exceed 80°



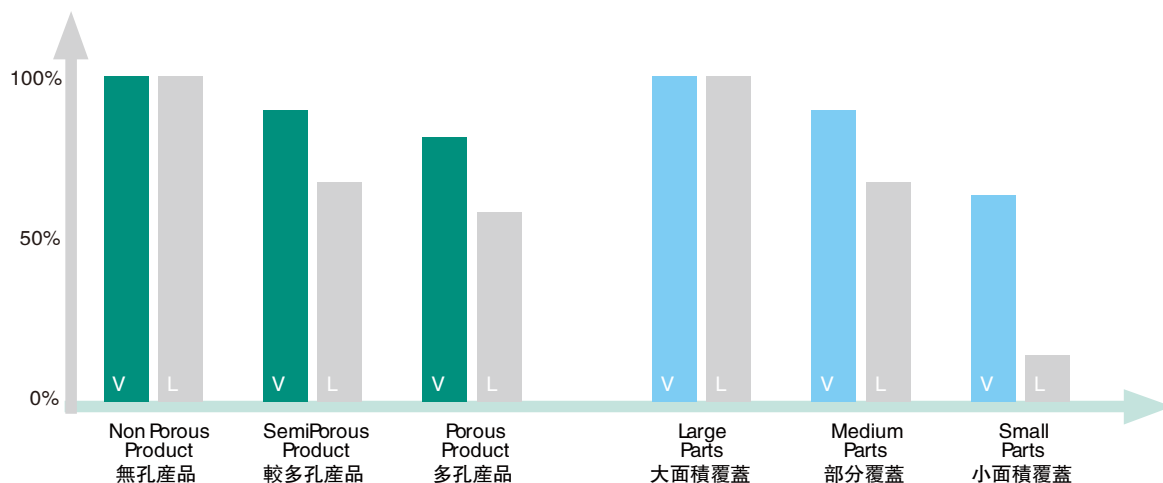
- Contains calibrated orifice adjustments
- 內部設計不同大小的流量閥(限流閥)

- +吸具可360°任意角度工作，適合翻轉運動
- +重量輕，本體更薄
- +較低成本的工藝構造
- +可實現更高速度抓取，真空建立速度快
Grippers can rotate up to 360° – High speed possible
- Thin and light weight

- 最佳工作覆蓋率70%以上
- 所需求的真空流量大
70% coverage for optimum work
Energy consumption compare to valves grippers



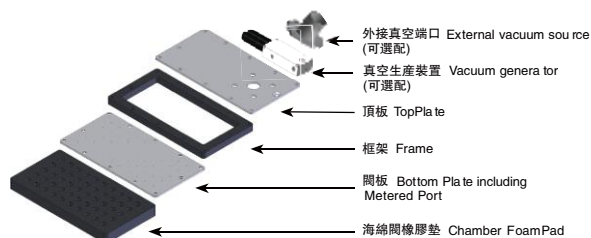
抓取能力對比 Handling Force



With less surface area, the more important is the V technology.
Valves or calibrated orifices are adjustable to get different sensitivities.

設計 Design

海綿閥吸具(F) Foam Valve Gripper (F)



特點 Features

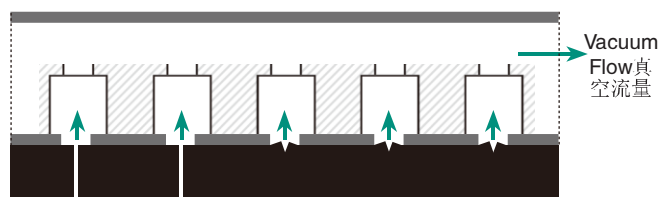
- Create vacuum in the full surface of the products thanks to the Foam to get a good grip
- 利用海綿自身的密封性能形成獨立的真空腔體自閉閥(單向閥)



+未接觸到工件的孔位，能够自動關閉減少真空流量泄漏
+適用於開口產品（瓶罐類）或表面凹凸高度差較大的工件
Open top or concave products
Varied coverage; from one product to a complete layer

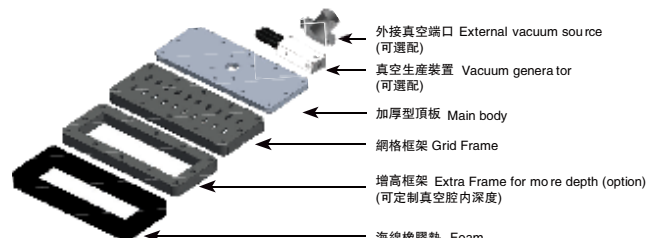


-所需求的真空流量大，能耗大
Doesn't pickup other types of products but can pickup slip sheets and wood pallets



開口工件
Open the artifact

袋包空腔吸具(B) Bag Gripper (B)



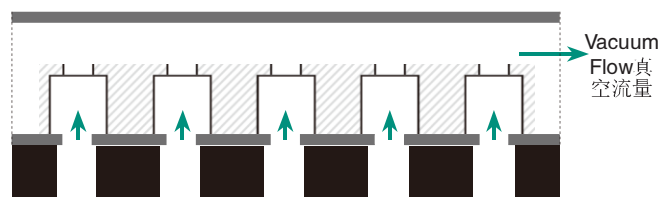
- Pick up bags or other shrink wrapped products
- 依靠真空源大流量以及吸盤橡膠墊密封性能形成真空



+搬運軟袋
+搬運熱收縮膜包裝產品
Sized to fit your bags
Porous and non-porous products



-必須全覆蓋工件
-吸附透氣性低密度高的產品
-吸附柔性物料變形量較大
Product must cover the full gripper



袋包工件
The contractor a bag



Application features

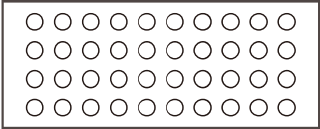
產品示例 Examples	止迴閥吸具(V) V gripper	流量閥吸具(L) L gripper	海綿閥吸具(F) F gripper	空腔閥吸具(B) B gripper
鋼板,塑料板等 Steel,plastic sheets,etc..	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
木材 Wood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
中密度纖維板等 Cartons, MDF, etc...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
開口形狀瓶罐 Open top jars			<input checked="" type="checkbox"/>	
水泥磚,煤炭磚,瓷磚 Bricks, cinder blocks	<input checked="" type="checkbox"/>			
帶蓋瓶罐 Cans	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
罐頭, 桶裝 Tins, buckets by the lid	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
袋包 Bags				<input checked="" type="checkbox"/>
薄板 Slip sheets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
收納型工件 Shrink products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
小型工件 Small products	<input checked="" type="checkbox"/>			
異形工件 Twisted products	<input checked="" type="checkbox"/>			
密度高的工件 Airtight products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
多孔鏤空的工件 Porous products	<input checked="" type="checkbox"/>			



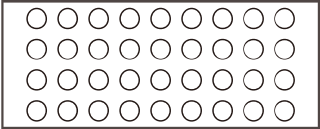


Order Code

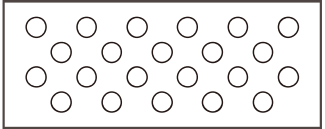
KMP	1000	X	1000	V	P20	—	20	A	
Model	Length[mm]	Width[mm]	Valve technical	Pore design types	Sealing gasket thickness type[mm]			Vacuum source	
	50	50	V:Check valve	P8	5 10 20 30 40			A:Built-in vacuum generator	
	100	100	L:Flow control valve	P10	10F10:With filter			E:External vacuum source	
	200	200	F:Sponge valve	P15	15F15:With filter				
	300	300		P20	20F20:With filter				
	400	400		P25					
	500	500		P30					
	800	800		P40					
	1000	1000		B100(Suction cup diameter 100mm)					
	2000	2000		B80(Suction cup diameter 80mm)					
			B60(Suction cup diameter 60mm)						
			B40(Suction cup diameter 40mm)						
			B20(Suction cup diameter 20mm)						
			B10(Suction cup diameter 10mm)						
	3000	3000		B5(Suction cup diameter 5mm)					



Types of suction hole : P20



Types of suction hole : P30



Types of suction hole : X20

Selection guide

Application characteristics	V	L
Minimize interference caused by mismatch between pipe diameter and external vacuum generation device (high integration).	✓	
Easy to install and quickly connect.	✓	
Minimize system costs, including the vacuum generation unit, hoses, and controllers.	✓	
Minimize operating costs (by using an electric vacuum generation device), especially when multiple suction cups are required.	✓	
Handling highly porous workpieces.	✓	✓

Application characteristics	Sponge	Suction cup
Handling rigid materials such as sheets, metal sheets, profiles, and pallets.	✓	✓
Handling flexible materials like cardboard boxes, bags, packages, and pallets.	✓	✓
Handling elongated materials and sheets.	✓	
Handling workpieces with rough or textured surfaces.	✓	
Transporting entire layers of small items, such as cans (open/closed), and tin cans.	✓	



Features

- KMP is a non-standardized vacuum gripping system equipped with self-sealing valve technology that automatically detects and shuts off positions that are not in contact with the workpiece. Additionally, it employs flow valve technology to compensate for vacuum leaks by extracting large volumes of air while minimizing leakage. This allows for the use of the same gripping tool without the need for re-adjustments or program changes to accommodate various working conditions.
- The system can be configured with appropriate sealing pads to ensure a good fit, providing long service life and strong sealing performance.
- The internal design of the gripping tool features a self-sealing valve chamber structure, and the hole shape, spacing, and quantity can be custom-designed according to specific operational requirements, maximizing compatibility.



- The vacuum source can be equipped with a highly efficient, energy-saving, and low-consumption multi-stage jet technology vacuum generator. Alternatively, an external vacuum port can be used to connect an electrically driven vacuum source, with the option to choose between dual turbo high-pressure air pumps or vacuum pumps. This enhances operational speed while reducing energy consumption.
- The system can be complemented with vacuum valve controls, vacuum detection sensors, and dropped part detection sensors. It also includes mechanically-reloading floating flanges, installation components, and pipe joint fittings, offering comprehensive support for automated systems.