

GINIER® 吉尼尔

VACUUM PRODUCT GUIDE

Product Quality Assurance
Flexible And Efficient Service
Customized Solutions

真空产品目录

质量体系保障 \ 灵活高效服务 \ 定制解决方案



GINIER 吉尼尔

**TRUSTWORTHY
VACUUM GRIPPING
PARTNER**

值得信赖的真空抓取伙伴



关于我们 ABOUT US

聚焦用户核心需求 提供真空整体解决方案及定制化服务

Focus on core needs,
providing customers with comprehensive vacuum
solutions and customized services.

15年

真空产品制造经验
Vacuum Product Manufacturing Experience

18000 m²

现代化智造工厂
Modern Intelligent Manufacturing Factory

120+

团队成员
Team size

100+

自主知识产权技术专利
Independent IPR technology patents

5+

全国办事处
National office network

50+

行业名牌用户
Industry-leading brand users

200万套

真空吸盘年销量
Annual sales volume of vacuum suction cups

苏州吉尼尔机械科技有限公司成立于2010年，总部位于中国江苏苏州。专业从事气动真空元件（如真空吸盘、真空发生器、真空产品附件等）研发，生产，销售。

我们坚持以客户需求为导向，技术创新为驱动，在智能制造和5G物联的自动化未来需求里，致力于真空抓取方案的解决与服务。真空领域的吸盘大师，将以无比饱满的热情，灵活的服务，快速地响应，体现我们的专业与价值。简化客户的工作，节省客户的时间，提升客户的效率，解决客户的难题，最终与客户构筑和谐共赢的伙伴关系。

Suzhou GINIER Mechanical Technology Co., Ltd. was founded in 2010 and is headquartered in Suzhou, Jiangsu, China. Specializing in the R&D, production, and sales of pneumatic vacuum components – such as vacuum pads, vacuum generators, and vacuum accessories.

we remain customer-oriented and driven by technological innovation. In the era of smart manufacturing and the automated future shaped by 5G and IoT, we are dedicated to providing vacuum gripping solutions and services. As a master in the field of vacuum suction technology, we demonstrate our expertise and value through full enthusiasm, flexible service, and prompt response. We aim to simplify our clients' work, save their time, improve their efficiency, and solve their challenges – ultimately building harmonious and win-win partnerships with them.



Honors and Certifications
荣誉及认证



国家高新技术企业

National High-Tech Enterprise



江苏省专精特新示范中小企业

Jiangsu Province Demonstration SMEs of Specialization, Refinement, Differentiation and Innovation



江苏省民营科技企业

Jiangsu Private Technological Enterprise



苏州大学合作研究生工作站

Soochow University Cooperative Graduate Workstation



青岛科技大学联合研发中心

QUST Joint R&D Center



CERTIFICATE

ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been inspected and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directives has been taken as references for these processes.

Company Name : Suzhou Ginier Mechanical Technology Co., Ltd
Company Address : No. 25, Mudiao street, Suzhou High Tech Zone, Jiangsu, China
Related Directives and Annex : 2014/30/EU Electromagnetic Compatibility Directive
Related Standards : EN 61000-3-3:2013+A2:2021, EN IEC 61000-3-2:2011+A1:2021
Product Name : Vacuum Generator
Report No and Date : ZNC723020201
Product Brand/Model/Type : VGA 07 H a b b c 2 d e f, MVGA 07 H a - b 08 D - 2 - c - e - f, VGB a H a - c 06 S - d - e - f - g - j, MVGB a H b - c 02 D - e - f - g - j - k - l

Certificate Number : M.2023.204.C81504
Initial Assessment Date : 06.02.2023
Registration Date : 07.02.2023
Release Date/No : -
Expiry Date : 06.02.2028


UDEM International Certification
Auditing Training Centre Industry and Trade Inc. Co.





The validity of this certificate can be checked through www.udem.com.tr. The certificate holder is authorized to use the UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be referred upon request. The above mentioned firm must have a copy of the certificate for 10 years from the registration of certificate. The certificate can be used for promotional and advertising purposes. The certificate holder must be notified in advance of any change in the scope of the certificate.

Address: Mu Karayeri Mahallesi 2073 Sokak (E5H 19 Sokak) No:10 Camlikaya - Ankara - Turkey
Phone: +90 312 443 03 19. **Fax:** +90 312 443 03 76
E-mail: info@udem.com.tr - www.udem.com.tr

ISO 14001



环境管理体系认证证书

证书号: 58425E10148R110

授予
苏州吉尼尔机械科技有限公司
统一社会信用代码: 91320505668871497

兹证明上述组织的管理体系已经评审并符合
GB/T24001-2016/ISO14001:2015 标准

注册地址: 苏州高新区华山路158号
 经营地址: 江苏省苏州市高新区华山路158号
 认证范围: 橡胶制品(真空吸盘)的设计、生产、销售及其相关管理活动

本次签发日期: 2023-11-20 有效期至: 2028-11-28
 首次签发日期: 2022-11-29
 请于2026-11-28前进行监督审核,逾期未通过审核,本证书作废。

颁发人: 王

联标认证(江苏)有限公司
中国·苏州市人民路3158号万融国际大厦901室

本证书的有效性依赖于获证组织符合认证标准的要求并定期接受本认证机构的监督审核。
本证书的有效性依赖于获证组织符合认证标准的要求并定期接受本认证机构的监督审核。



证书



基于管理体系
ISO 9001:2015
(48 GB/T 19001-2016)

认证机构 TÜV NORD CERT GmbH 依据 ISO/IEC 17021:2015 标准进行审核、评估和认证的结果, 证明:

苏州吉尼尔机械科技有限公司
中国江苏省苏州市高新区华山路 158-28 号
统一社会信用代码: 91320505668871497

以及在附件(或)子证书中所涉及的场所/地点
采用符合 ISO9001:2015 标准要求的管理体系并且符合认证 3 年有效期内符合性管理要求。

范围
自动化设备用真空气动元件(含真空吸盘及支架、真空发生器)的设计和制造

证书编号: 44 100 2588 0057 有效期至: 2025-11-27
 审核报告编号: 2.5-CN2894/2025 证书有效期限: 2025-11-28
 初次发证日期: 2025-11-27

上海, 2025-11-27

认证机构: TÜV NORD CERT GmbH
 本证书信息可在国家认证认可监督管理委员会官方网站(www.cnca.gov.cn)上查询。




TÜV*



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Product Name : Vacuum Generator
Report No and Date : ZNC723020201
Product Brand/Model/Type : VGA 07 H a b b c 2 d e f, MVGA 07 H a - b 08 D - 2 - c - e - f, VGB a H a - c 06 S - d - e - f - g - j, MVGB a H b - c 02 D - e - f - g - j - k - l

Certificate Number : M.2023.204.C81504
Initial Assessment Date : 06.02.2023
Registration Date : 07.02.2023
Release Date/No : -
Expiry Date : 06.02.2028

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Address: Mu Karayeri Mahallesi 2073 Sokak (E5H 19 Sokak) No:10 Camlikaya - Ankara - Turkey
Phone: +90 312 443 03 19. **Fax:** +90 312 443 03 76
E-mail: info@udem.com.tr - www.udem.com.tr

ISO 14001






Environmental Management System Certificate

Certificate No: 58425E10148R110

Awarded to
Suzhou Ginier Machinery Technology Co., Ltd.
Unified Social Credit Code: 91320505668871497

This is to certify that the management system of the above organization has been assessed and found to comply with:
GB/T24001-2016/ISO14001:2015

Registered Address: No.158 Huashan Road, Suzhou High-tech District
 Business Address: No.158 Huashan Road, High-tech Zone, Suzhou City, Jiangsu Province, China

Certificate Scope: Design, production, sales, and related management activities of rubber products (vacuum suction cups)

Date of issue: 2025-12-01 Valid until: 2028-11-28
 Date of first issue: 2022-11-29

Please conduct surveillance audit before 2026-11-28 if the audit falls within the time limit, this certificate will be valid.

颁发人: 王

Lianbiao Certification (Jiangsu) Co., Ltd.
Room 901, Wanning International Building, No. 3158 Reimin Road, Suzhou, China

The information of this certificate can be found on our website www.lianbiao.com and the CNCA.
Official website: www.lianbiao.com. This certificate remains effective only when it meets the condition that it is within the valid period of administrative license qualification and compulsory product certification and also it must accept the normal annual audit.



Certificate



Management system as per
ISO 9001:2015
(48 GB/T 19001-2016)

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021:2015, that the organization

SUZHOU GINIER MECHANICAL TECHNOLOGY CO., LTD.
No. 158-28, Huashan Road, High Tech Zone, Suzhou City, Jiangsu Province, P. R. China
Unified Social Credit Code: 91320505668871497

with the locations according to the annex
operates a management system in accordance with the requirements of ISO 9001:2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope
Design and Manufacturing of Vacuum Pneumatic Components (Including Vacuum Suction Cups and Brackets, Vacuum Generators) for Automation Equipment

Certificate Registration No. 44 100 2588 0057 Valid from: 2025-11-27
 Audit Report No. 2.5-CN2894/2025 Valid until: 2028-11-28
 Initial certification: 2025-11-27

Shanghai, 2025-11-27

认证机构: TÜV NORD CERT GmbH
 Validity can be verified at the official Website of Certification and Accreditation Administration of the People's Republic of China: www.cnca.gov.cn




TÜV*



质量管理体系
认证企业
QMS
Certified Enterprise



环境管理体系
认证企业
EMS
Certified Enterprise



汽车质量体系
VDA6.4认证企业
VDA6.4
Certified Enterprise



苏州市工程技术研究中心
UDEM认证企业
UDEM
Certified Enterprise



三星上云企业
(信息化系统)
Samsung Cloud Enterprise
(Information System)



通用
General

防静电
Anti-static

无痕
Traceless

平型吸盘 GU

Flat Type Pad

型号	材质
Models	Material
G-P02U G-P16U	
G-P04U G-P20U	N
G-P06U G-P25U	S
G-P08U G-P32U	U
G-P10U G-P40U	F
G-P13U G-P50U	NE
	SE





防静电
Anti-static

防滑
Anti-slip

平型带肋吸盘 GC

Flat Type with Ribs Pad

型号	材质
Models	Material
G-P10C G-P32C	N
G-P13C G-P40C	S
G-P16C G-P50C	U
G-P20C	F
G-P25C	NE
	SE





防静电
Anti-static

无痕
Traceless

弧形表面
Curved surface

风琴型吸盘 GB

Bellows Type Pad

型号	材质
Models	Material
G-P06B G-P25B	
G-P08B G-P32B	N
G-P10B G-P40B	S
G-P13B G-P50B	U
G-P16B	F
G-P20B	NE
	SE





球形物
Spherical object

防静电
Anti-static

无痕
Traceless

深型吸盘 GD

Deep Type Pad

型号	材质
Models	Material
G-P10D	N
G-P16D	S
G-P25D	U
G-P40D	F
	NE
	SE





斜坡表面
Slope surface

防静电
Anti-static

无痕
Traceless

可摆动型吸盘 GF

Ball Joint Type Pad

型号	材质
Models	Material
G-P10F G-P40F	
G-P13F G-P50F	N
G-P16F	S
G-P20F	U
G-P25F	F
G-P32F	NE
	SE





重载
Overload

防静电
Anti-static

无痕
Traceless

重载型吸盘 H/HB

High Rigidity Pad

型号	材质
Models	Material
G-P32H G-P32HB	
G-P40H G-P40HB	N
G-P50H G-P50HB	S
G-P63H G-P63HB	U
G-P80H G-P80HB	F
G-P100H G-P100HB	NE
G-P125H G-P125HB	SE





高寿命
Long lifespan

防静电
Anti-static

无痕
Traceless

防静电真空吸盘 GNR

Anti-static vacuum suction pad

型号	材质
Models	Material
GNR-04MU GNR-15MT	
GNR-06MU GNR-20MT	
GNR-06UM GNR-25MT	SE- 防静电硅橡胶 (含碳黑色)
GNR-08UM GNR-30MT	HBUE- 防静电 HNBR (不含碳蓝色)
GNR-10UM GNR-08MB	
GNR-16UM GNR-10MB	
GNR-10MT	





3C行业
3C industry

防静电
Anti-static

条状物
Strip-shaped object

椭圆形平型吸盘 GU 椭圆形

Oval Flat Type Pad

型号	材质
Models	Material
G-P2004U	N
G-P3507U	S
G-P4010U	U
	F
	NE
	SE





3C行业
3C industry

防静电
Anti-static

条状物
Strip-shaped object

低矮椭圆型吸盘 G-P2-W

Oval Flat Type Pad

型号	材质
Models	Material
G-P2-3507W G-P2-5030W	
G-P2-4010W G-P2-6010W	N
G-P2-4020W G-P2-6020W	S
G-P2-4030W G-P2-6030W	U
G-P2-5010W G-P2-8020W	F
G-P2-5020W G-P2-8030W	NE
	SE





3C行业
3C industry

低矮型
Low-rise

防静电
Anti-static

无痕
Traceless

低矮平型吸盘 G-P2-MU

Short-type Pad

型号	材质
Models	Material
G-P2-B02MU G-P2-B10MU	
G-P2-B035MU G-P2-B15MU	N
G-P2-B04MU	S
G-P2-B05MU	U
G-P2-B06MU	F
G-P2-B08MU	NE
	SE



N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶
N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber

屏幕行业
Screen industry

低矮型
low-rise

防静电
Anti-static

无痕
traceless

低矮平型带槽吸盘 G-P2-MT

Flat Pad

型号	材质
Models	Material
G-P2-B10MT	N
G-P2-B15MT	
G-P2-B20MT	U
G-P2-B25MT	
G-P2-B30MT	NE
	SE

低矮型
low-rise

粗糙面
rough surface

低矮海绵型吸盘 G-P2-S

Sponge Pad

型号
Models
G-P2-04S
G-P2-06S
G-P2-08S
G-P2-10S
G-P2-15S

屏幕行业
Screen industry

防静电
Anti-static

无痕
traceless

无痕迹吸附对策 卤化处理

Mark-free Suction Solution

材质	规格
Material	Specifications
N-LH	无痕丁腈橡胶 Mark-free NBR
NE-LH	无痕防静电丁腈橡胶 Mark-free Conductive NBR

屏幕行业
Screen industry

防静电
Anti-static

无痕
traceless

无痕迹吸附对策 树脂附件

Mark-free Suction Solution

材质	规格
Material	Specifications
KP	PEEK
KPE	防静电 PEEK Conductive PEEK
KM	POM

3C 行业
3C industry

低矮型
low-rise

防静电
Anti-static

低矮型吸盘 G-P2-EU

Short-type Pad

型号	材质
Models	Material
G-P2-B02EU	N
G-P2-B04EU	
G-P2-B06EU	U
G-P2-B08EU	
G-P2-B15EU	NE
	SE

3C 行业
3C industry

低矮型
low-rise

防静电
Anti-static

低矮三层型吸盘 G-P2-J

Low rise three-layer suction Pad

型号	材质
Models	Material
G-P2-06J	G-P2-B25J
G-P2-09J	
G-P2-B10J	N
G-P2-14J	
G-P2-B15J	U
G-P2-16J	
	F
	NE
	SE

3C 行业
3C industry

低矮型
low-rise

防静电
Anti-static

弧形表面
curved surface

低矮双层型吸盘 G-P2-MB

Bellows Pad

型号	材质
Models	Material
G-P2-B04MB	
G-P2-B06MB	
G-P2-B08MB	
G-P2-B10MB	
G-P2-B15MB	
G-P2-B20MB	

屏幕行业
Screen industry

防静电
Anti-static

无痕
traceless

无痕迹吸附对策 镀氟树脂

Mark-free Suction Solution

材质	规格
Material	Specifications
NT	丁腈橡胶 + 镀氟树脂 NBR+ Fluororesin coating
NET	防静电丁腈橡胶 + 镀氟树脂 Conductive NBR+ Fluororesin coating
FT	氟橡胶 + 镀氟树脂 FKM+ Fluororesin coating
FET	防静电氟橡胶 + 镀氟树脂 Conductive FKM+ Fluororesin coating

3C 行业
3C industry

防静电
Anti-static

迷你型
miniature

低矮喷嘴型吸盘 G-P2-AN

Nozzle type Pad

型号	材质
Models	Material
G-P2-05AN	N
G-P2-08AN	
G-P2-11AN	SE

3C 行业
3C industry

防静电
Anti-static

防滑
Anti-slip

带肋、带肋薄型 / 平型 G-P2-UT/CT/C

Ribbed, Ribbed Thin, Ribbed Flat

型号	材质
Models	Material
G-P2-05UT	G-P2-20UT
G-P2-06UT	
G-P2-10UT	N
G-P2-13UT	
G-P2-13UT	U
G-P2-16UT	
G-P2-16UT	F
G-P2-18UT	
	NE
	SE

N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶
 N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber

3C行业
3C industry

低矮型
low-rise

防静电
Anti-static

低矮平面型吸盘 G-P2-AU

Short-type Pad

型号	材质
Models	Material
G-P2-02AU	N
G-P2-03AU	S
G-P2-04AU	U
G-P2-06AU	F
G-P2-08AU	NE
G-P2-B08AU	SE

3C行业
3C industry

低矮型
low-rise

防静电
Anti-static

弧形表面
curved surface

低矮风琴型吸盘 G-P2-ZJ

Bellows Pad

型号	材质
Models	Material
G-P2-02ZJ	N
G-P2-04ZJ	S
G-P2-05ZJ	U
G-P2-06ZJ	F
G-P2-06ZJ	NE
G-P2-06ZJ	SE

包装行业
Packaging industry

防静电
Anti-static

4.5折风琴型吸盘 G-P2-ZJ

Bellows Pad (4.5-Stage)

型号	材质
Models	Material
G-P2-B15ZJ	
G-P2-B20ZJ	S
G-P2-B30ZJ	S6(60D)
G-P2-40ZJ	N NE
G-P2-46ZJ	U SE
G-P2-46ZJ	F S

3C行业
3C industry

低矮型
low-rise

防静电
Anti-static

无痕
traceless

平型、带沟平型风琴型吸盘 G-P3-U/UM/B

Flat Type with Groove, Bellows Type Pad

型号	材质	
Models	Material	
G-P3-015U	G-P3-16UM	
G-P3-02U	G-P3-04B	
G-P3-035U	G-P3-06B	N
G-P3-04UM	G-P3-08B	S
G-P3-06UM	G-P3-10B	U
G-P3-08UM	G-P3-13B	F
G-P3-10UM	G-P3-16B	NE
G-P3-13UM		SE

包装行业
Packaging industry

薄型吸盘 G-P3P

Vacuum Suction Pad

型号	材质
Models	Material
G-P3P-20PT	
G-P3P-25PT	
G-P3P-35PT	S
G-P3P-50PT	

纸箱行业
cardboard box industry

高寿命
long lifespan

耐磨型吸盘 G-P3C

resistance Type Pad

型号	材质	
Models	Material	
G-P3C-20C	G-P3C-32B	
G-P3C-25C	G-P3C-40B	
G-P3C-32C	G-P3C-50B	
G-P3C-40C	G-P3C2-32J2	FS
G-P3C-50C	G-P3C2-40J2	(氟橡胶)
G-P3C-20B	G-P3C2-50J2	
G-P3C-25B		

高寿命
long lifespan

防滑
Anti-slip

弧形表面
curved surface

防滑碗吸盘 G-P3M

Bowl Shape with Non-slip Feature

型号	材质
Models	Material
G-P3M-32R	G-P3M-63RB
G-P3M-40R	G-P3M-80RB
G-P3M-50R	G-P3M-100RB
G-P3M-63R	G-P3M-1650W
G-P3M-80R	G-P3M-3090W
G-P3M-100R	G-P3M-4080W
G-P3M-32RB	G-P3M-50100W
G-P3M-40RB	
G-P3M-50RB	

包装行业
Packaging industry

风琴型吸盘 G-P3P-JT

Bellows Type Pad

型号	材质	
Models	Material	
G-P3P-20JT2	G-P3P-25JT5	
G-P3P-25JT2	G-P3P-30JT5	
G-P3P-30JT2	G-P3P-40JT5	SF
G-P3P-40JT2	G-P3P-50JT5	(硅橡胶)
G-P3P-50JT2		
G-P3P-20JT5		

重载
overload

无痕
traceless

重载带沟型吸盘 G-P3E

High Rigidity Pad

型号	材质	
Models	Material	
G-P3E-32UM	G-P3E-32BM	
G-P3E-40UM	G-P3E-40BM	
G-P3E-50UM	G-P3E-50BM	N
G-P3E-63UM	G-P3E-63BM	S
G-P3E-80UM	G-P3E-80BM	F
G-P3E-100UM	G-P3E-100BM	U
G-P3E-125UM	G-P3E-125BM	

3C行业
3C industry

迷你型
miniature

防静电
Anti-static

标准小型吸盘 PRM

Standard small Pad

型号	材质
Models	Material
P0.7RM	
P1RM	N
P1.5RM	S
P2RM	U
P3RM	F
P4RM	NE
P4RM	SE

N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶
 N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber

易碎
纸张
防静电
无痕

薄物用型吸盘

Thin material type Pad

PP

型号	材质
Models	Material
P8P	N
P10P	S
P15P	U
P20P	F
	FS
	NE

屏幕行业
防静电
无痕

无痕迹型吸盘

Trace less Type Pad

PQ

型号	材质
Models	Material
P10Q	K(PEEK)
P20Q	KE(防静电)
P30Q	POM(POM)

防静电
无痕
防变形

薄板用型吸盘

Thin plate type Pad

PF

型号	材质
Models	Material
P10F	N
P15F	S
P20F	U
P25F	F
P30F	NE
	SE

通用
防静电
无痕

单层型吸盘

Single layer type Pad

MF

型号	材质		
Models	Material		
M-P1.5AF	M-P6AF	M-P30F	N S U F NE SE
M-P2AF	M-P8AF	M-P35F	
M-P3.5AF	M-P10AF	M-P40F	
M-P5AF	M-P15AF	M-P50F	
M-P2x4AF	M-P15F	M-P60F	
M-P3.5x7AF	M-P20BF	M-P80F	
M-P2x4F	M-P20F	M-P95F	
M-P3.5x7F	M-P25F		

防静电
无痕
弧形表面

双层型吸盘

double-decker Type Pad

MJ

型号	材质	
Models	Material	
M-P4J	M-P25J	N S U F NE SE
M-P6J	M-P30J	
M-P8J	M-P35J	
M-P10J	M-P40J	
M-P15J	M-P50J	
M-P20J		

3C行业
纸箱行业
注塑行业

三层型吸盘

three-layer type Pad

MC

型号	材质	
Models	Material	
M-P5C	M-P30C	N S SE
M-P7C	M-P40C	
M-P10C	M-P60C	
M-P15C	M-P90C	
M-P18C		
M-P20C		

纸张
薄膜
防静电
无痕

薄型吸盘

Vacuum Suction Pad

MA

型号	材质	
Models	Material	
M-P10AA	M-P25AA	N S U F NE SE
M-P10BA	M-P25BA	
M-P15AA	M-P30AA	
M-P15BA	M-P30BA	
M-P20AA		
M-P20BA		

汽车行业
重载

钟形吸盘

Bell-Shaped Suction Pad

SAX

型号	材质	
Models	Material	
SAX-30	SAX-115	ED-85 (合成橡胶 -85D)
SAX-40		
SAX-50		
SAX-60		
SAX-80		
SAX-100		

汽车行业
重载

钟形吸盘

Bell-Shaped Suction Pad

SAXM

型号	材质	
Models	Material	
SAXM-20	SAXM-100	ED-85 (合成橡胶 -85D)
SAXM-30	SAXM-115	
SAXM-40		
SAXM-50		
SAXM-60		
SAXM-80		

汽车行业
重载


波纹吸盘

Bellows Suction Pad

SAXB

型号	材质	
Models	Material	
SAXB-20	SAXB-100	ED-85 (合成橡胶 -85D)
SAXB-30	SAXB-120	
SAXB-40		
SAXB-50		
SAXB-60		
SAXB-80		

N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶
 N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber




汽车行业
automobile
industry

重载
overload

金属板用扁平型吸盘 SAF

Metal plate with flat suction Pad

型号	材质
Models	Material
SAF-30	SAF-125
SAF-40	
SAF-50	NBR-45
SAF-60	NBR-60
SAF-80	
SAF-100	



汽车行业
automobile
industry


重载
overload

弧形表面
curved surface

金属板用扁平波纹型吸盘 SAB

Metal plate with flat corrugated suction Pad

型号	材质
Models	Material
SAB-22	SAB-100
SAB-30	SAB-125
SAB-40	
SAB-50	NBR-60
SAB-60	
SAB-80	



汽车行业
automobile
industry

重载
overload

金属板用扁平椭圆型吸盘 SAOF

Metal plate with flat oval suction Pad

型号	材质
Models	Material
SAOF-50x16	
SAOF-60x23	
SAOF-80x40	NBR-45
SAOF-90x30	NBR-60
SAOF-100x50	
SAOF-120x60	
SAOF-140x70	



汽车行业
automobile
industry

重载
overload

弧形表面
curved surface

金属板用椭圆波纹型吸盘 SAOB

Metal plate with oval corrugated suction Pad

型号	材质
Models	Material
SAOB-60x30	
SAOB-80x40	
SAOB-110x55	NBR-60
SAOB-140x70	




汽车行业
automobile
industry

高寿命
long
lifespan

扁平吸盘 PFYN VU1

Flat Pad

型号	材质
Models	Material
PFYN-15	
PFYN-30	
PFYN-50	VU1-72
PFYN-60	(聚氨酯橡胶 -72D)
PFYN-80	
PFYN-95	



汽车行业
automobile
industry

高寿命
long
lifespan

弧形表面
curved
surface

波纹吸盘 (1.5折) FSGA VU1

Corrugated suction Pad (1.5-fold discount)

型号	材质
Models	Material
FSGA-30	
FSGA-40	
FSGA-50	VU1-72
FSGA-60	(聚氨酯橡胶 -72D)
FSGA-85	
FSGA-110	



汽车行业
automobile
industry

高寿命
long
lifespan

弧形表面
curved
surface

波纹吸盘 (2.5折) FSG VU1

Corrugated suction Pad (2.5-fold discount)

型号	材质
Models	Material
FSG-30	
FSG-60	VU1-72
FSG-85	(聚氨酯橡胶 -72D)



玻璃行业
glass industry

光伏行业
photovoltaic
industry

重载
overload

玻璃行业专用吸盘 SGF

Glass industry special suction Pad

型号	材质
Models	Material
SGF-125	
SGF-150	
SGF-200	EPDM-55
SGF-300	
SGF-400	



纸箱行业
cardboard
box industry

高寿命
long
lifespan

扁平吸盘 SPF

Flat Pad

型号	材质
Models	Material
SPF-10	SPF-50
SPF-15	SPF-60
SPF-20	
SPF-25	ED-65
SPF-30	(合成橡胶 -65D)
SPF-40	



纸箱行业
cardboard
box industry

高寿命
long
lifespan

弧形表面
curved
surface

波纹吸盘 (1.5折) SPB

Corrugated suction Pad (1.5-fold discount)

型号	材质
Models	Material
SPB-10	SPB-50
SPB-15	SPB-60
SPB-20	SPB-80
SPB-25	ED-65
SPB-30	(合成橡胶 -65D)
SPB-40	

N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶

N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber



包装行业
Packaging
industry

波纹吸盘 (4.5 折) **SPB4f**

Corrugated suction Pad (4.5-fold discount)

型号	材质
Models	Material
SPB4f-30	
SPB4f-40	SI-55 (硅橡胶 -55D)
SPB4f-50	





包装行业
Packaging
industry

波纹吸盘椭圆形 (1.5 折) **SPOB1f**

Corrugated Oval suction Pad (1.5-fold discount)

型号	材质
Models	Material
SPOB1f-35×15	
SPOB1f-60×25	SI-55 (硅橡胶 -55D)
SPOB1f-80×35	





包装行业
Packaging
industry

超薄型花边真空吸盘 **FPC**

Ultra-thin Lace Vacuum Suction Pad

型号	材质
Models	Material
FPC35	S





包装行业
Packaging
industry



弧形表面
curved
surface

波纹吸盘 (1.5 折) **FGA-PVC**

Corrugated suction Pad (1.5-fold discount)

型号	材质
Models	Material
FGA-13	
FGA-19	PVC-50
FGA-22	





弧形表面
curved surface

波纹吸盘 (1.5 折) **FGA/FSGA**

Corrugated suction Pad (1.5-fold discount) Pad

型号	材质
Models	Material
FGA-6 FGA-53 FSGA-25	
FGA-11 FGA-63 FSGA-33	
FGA-14 FGA-78 FSGA-43	
FGA-16 FSGA-6 FSGA-53	NBR55 (丁腈橡胶 -55D)
FGA-20 FSGA-11 FSGA-63	SI55
FGA-22 FSGA-14 FSGA-78	(硅橡胶 -55D)
FGA-25 FSGA-16	
FGA-33 FSGA-20	
FGA-43 FSGA-22	





光伏行业
photovoltaic
industry

柔软制品用型吸盘及配套支架 **SRP**

Soft product suction pad with matching bracket

型号	材质
Models	Material
SRP06 SRPF06	
SRP09 SRPF08	
SRP12 SRPF12	S-40D S-55D FS(氟硅橡胶)
SRP15 SRPF20	
SRP20 SRPS40	
SRP30 SRPS50	
SRP40	





包装行业
Packaging
industry

软包装用多层型吸盘 **GBLP**

Multi layer type for flexible packaging Pad

型号	材质
Models	Material
GBLP-30	
GBLP-40	S
GBLP-50	





包装行业
Packaging
industry



纸张
paper




薄膜
film

塑料薄膜纸张专用型吸盘 **GFT**

Plastic film and paper special type Pad

型号	材质
Models	Material
GFT-15 GFT-40	
GFT-20	
GFT-25	N S SE U
GFT-30	
GFT-35A	
GFT-35	






通用
General


防回转
Anti-rotation

弹簧缓冲支架 K8

Spring buffer bracket



型号		行程 mm
Models		Track
K8-J6-M4F-B3	K8-J6-M4F-B5	
K8-J10-M4F-B3	K8-J10-M4F-B5	
K8-J15-M4F-B3	K8-J15-M4F-B5	6
K8-J25-M4F-B3	K8-J25-M4F-B5	10
K8-K6-M4F-B3	K8-K6-M4F-B5	15
K8-K10-M4F-B3	K8-K10-M4F-B5	25
K8-K15-M4F-B3	K8-K15-M4F-B5	
K8-K25-M4F-B3	K8-K25-M4F-B5	




通用
General


防回转
Anti-rotation

弹簧缓冲支架 K10

Spring buffer bracket




型号		行程 mm
Models		Track
K10-J10-M5F-B5		
K10-K10-M5F-B5		6
K10-J10-M5M-B5		10
K10-K10-M5M-B5		20
K10-J10-M6M-B5		30
K10-K10-M6M-B5		40
K10-J10-M6M-B5		50



通用
General

弹簧缓冲支架 K16

Spring buffer bracket



型号		行程 mm
Models		Track
K16-J10-G01F-BG01	K16-J20-M6M-BG01	
K16-J20-G01F-BG01	K16-J20-G01M-BG01	
K16-J30-G01F-BG01	K16-J30-M5M-BG01	10
K16-J50-G01F-BG01	K16-J30-M6M-BG01	20
K16-J10-M5M-BG01	K16-J30-G01M-BG01	30
K16-J10-M6M-BG01	K16-J50-M5M-BG01	50
K16-J10-G01M-BG01	K16-J50-M6M-BG01	
K16-J20-M5M-BG01	K16-J50-G01M-BG01	



通用
General

重载弹簧缓冲支架 K20

Overload spring buffer bracket



型号		行程 mm
Models		Track
K20-E20-G01F-BG02	K20-E30-G02M-BG02	
K20-E30-G01F-BG02	K20-E30-G03M-BG02	
K20-E50-G01F-BG02	K20-E50-G02M-BG02	20
K20-E80-G01F-BG02	K20-E50-G03M-BG02	30
K20-E20-G02M-BG02	K20-E80-G02M-BG02	50
K20-E20-G03M-BG02	K20-E80-G03M-BG02	80




通用
General

重载弹簧缓冲支架 K30

Overload spring buffer bracket



型号		行程 mm
Models		Track
K30-E20-G02F-BG02	K30-E30-G03M-BG02	
K30-E30-G02F-BG02	K30-E30-G04M-BG02	
K30-E50-G02F-BG02	K30-E50-G03M-BG02	20
K30-E80-G02F-BG02	K30-E50-G04M-BG02	30
K30-E20-G03M-BG02	K30-E80-G03M-BG02	50
K30-E20-G04M-BG02	K30-E80-G04M-BG02	80




通用
General


防回转
Anti-rotation

弹簧缓冲支架 K8C

Spring buffer bracket



型号		行程 mm
Models		Track
K8C-J3-M4F-B5		
K8C-J6-M4F-B5		
K8C-J10-M4F-B5		3
K8C-K3-M4F-B5		6
K8C-K6-M4F-B5		10
K8C-K10-M4F-B5		




通用
General

防回转
Anti-rotation

弹簧缓冲支架 K14

Spring buffer bracket



型号		行程 mm
Models		Track
K14-J10-M5F-B5	K14-J10-M6M-BG01	
K14-K10-M5F-B5	K14-K10-M6M-BG01	
K14-J10-M5F-BG01	K14-J10-M8M-B5	
K14-K10-M5F-BG01	K14-K10-M8M-B5	10
K14-J10-M5M-B5	K14-J10-M8M-BG01	20
K14-K10-M5M-B5	K14-K10-M8M-BG01	30
K14-J10-M5M-BG01	K14-J10-G01M-B5	50
K14-K10-M5M-BG01	K14-K10-G01M-B5	
K14-J10-M6M-B5	K14-J10-G01M-BG01	
K14-K10-M6M-B5	K14-K10-G01M-BG01	



通用
General

弹簧缓冲支架 K18

Spring buffer bracket



型号		行程 mm
Models		Track
K18-E20-G01F-BG01	K18-E30-G01M-BG01	
K18-E30-G01F-BG01	K18-E30-G02M-BG01	20
K18-E50-G01F-BG01	K18-E50-G01M-BG01	30
K18-E80-G01F-BG01	K18-E50-G02M-BG01	50
K18-E20-G01M-BG01	K18-E80-G01M-BG01	80
K18-E20-G02M-BG01	K18-E80-G02M-BG01	




通用
General

重载弹簧缓冲支架 K22

Overload spring buffer bracket



型号		行程 mm
Models		Track
K22-E20-G01F-BG01	K22-E30-G03M-BG02	
K22-E30-G01F-BG01	K22-E30-G04M-BG02	
K22-E50-G01F-BG01	K22-E50-G03M-BG02	20
K22-E80-G01F-BG01	K22-E50-G04M-BG02	30
K22-E20-G03M-BG02	K22-E80-G03M-BG02	50
K22-E20-G04M-BG02	K22-E80-G04M-BG02	80




汽车行业
automobile industry

防回转
Anti-rotation


弹簧缓冲支架 FSTE

Spring buffer bracket



型号		安装螺纹
Models		Mounting Thread
FSTE-M3F-5	FSTE-G02M-25	
FSTE-M5F-5	FSTE-G02M-50	M6x0.75
FSTE-M5F-10	FSTE-G02M-75	G1/8
FSTE-M5F-20	FSTE-G04M-25	M16x1
FSTE-G01M-15	FSTE-G04M-75	M20x1.5
FSTE-G01M-25	FSTE-G04M-90	M30x1.5
FSTE-G01M-50		


可选防回转 (-VG) Anti-rotation Optional (-VG)



汽车行业
automobile industry
防回转
Anti-rotation


FSTE-HD

重载弹簧缓冲支架
Overload spring buffer bracket



型号 Models	安装螺纹 Mounting Thread
FSTE-HD-G01M-15 FSTE-HD-G03M-25	
FSTE-HD-G01M-25 FSTE-HD-G03M-75	
FSTE-HD-G01M-50 FSTE-HD-G03M-90	M16x1
FSTE-HD-G02M-25 FSTE-HD-G04M-25	M20x1.5
FSTE-HD-G02M-50 FSTE-HD-G04M-75	M30x1.5
FSTE-HD-G02M-75 FSTE-HD-G04M-90	


可选防回转 (-VG) Anti-rotation Optional (-VG)



汽车行业
automobile industry
防回转
Anti-rotation

FSTE-HDB

重载弹簧缓冲支架
Overload spring buffer bracket



型号 Models	安装螺纹 Mounting Thread
FSTE-HDB-G01M-15 FSTE-HDB-G03M-25	
FSTE-HDB-G01M-25 FSTE-HDB-G03M-45	
FSTE-HDB-G01M-45 FSTE-HDB-G03M-80	M16x1
FSTE-HDB-G02M-25 FSTE-HDB-G02M-120	M20x1.5
FSTE-HDB-G02M-45 FSTE-HDB-G04M-25	M30x1.5
FSTE-HDB-G02M-80 FSTE-HDB-G04M-80	
FSTE-HDB-G02M-120	

可选防回转 (-VG) Anti-rotation Optional (-VG)



汽车行业
automobile industry
防回转
Anti-rotation


FSTA-HD

重载弹簧缓冲支架
Overload spring buffer bracket



型号 Models	安装螺纹 Mounting Thread
FSTA-HD-G02M-25	
FSTA-HD-G02M-50	
FSTA-HD-G03M-25	
FSTA-HD-G03M-50	M20x1.5
FSTA-HD-G03M-90	M30x1.5
FSTA-HD-G04M-25	
FSTA-HD-G04M-50	
FSTA-HD-G04M-90	


可选防回转 (-VG) Anti-rotation Optional (-VG)



汽车行业
automobile industry
防回转
Anti-rotation

FSTI

弹簧缓冲支架
Spring buffer bracket



型号 Models	安装螺纹 Mounting Thread
FSTI-G02M-G01M-10 FSTI-G03M-G01M-25	
FSTI-G02M-G01F-10 FSTI-G03M-G01F-25	
FSTI-G02M-G01M-25 FSTI-G03M-G01M-50	
FSTI-G02M-G01F-25 FSTI-G03M-G01F-50	M18x1.5
FSTI-G02M-G01M-50	
FSTI-G02M-G01F-50	
FSTI-G03M-G01M-10	
FSTI-G03M-G01F-10	

可选防回转 (-VG) Anti-rotation Optional (-VG)




3C行业
3C industry
高寿命
long lifespan

CLF2

不锈钢低摩擦缓冲支架
Mini suction device




型号 Models	行程 mm Track
CLF2-5-M8-M5F CLF2-K15-M10-M5F	
CLF2-10-M8-M5F CLF2-5-M14-M6F	
CLF2-15-M8-M5F CLF2-10-M14-M6F	
CLF2-5-M10-M5F CLF2-15-M14-M6F	5
CLF2-10-M10-M5F CLF2-K5-M14-M6F	10
CLF2-15-M10-M5F CLF2-K10-M14-M6F	15
CLF2-K5-M10-M5F CLF2-K15-M14-M6F	
CLF2-K10-M10-M5F	




3C行业
3C industry
高寿命
long lifespan

CLF3

铝合金低摩擦缓冲支架
Compound suction Pad




型号 Models	行程 mm Track
CLF3-5-M10-M5F CLF3-5-M14-M6F	
CLF3-10-M10-M5F CLF3-10-M14-M6F	
CLF3-15-M10-M5F CLF3-15-M14-M6F	5
CLF3-K5-M10-M5F CLF3-K5-M14-M6F	10
CLF3-K10-M10-M5F CLF3-K10-M14-M6F	15
CLF3-K15-M10-M5F CLF3-K15-M14-M6F	




3C行业
3C industry
迷你型
miniature

VPG

低摩擦直接安装式支架
Low-friction direct-mount bracket




型号 Models	行程 mm Track
VPG8-3R VPG8-6R	
VPG8-3R-C VPG8-6R-C	
VPG8-3R-C10M5 VPG8-6R-C10M5	3
VPG15-3R VPG15-6R	6
VPG15-3R-C VPG15-6R-C	
VPG15-3R-C10M5 VPG15-6R-C10M5	



3C行业
3C industry
迷你型
miniature

G-P3

低摩擦直接安装式支架
Low-friction direct-mount bracket



型号 Models	行程 mm Track
G-P3-M0803S	03
G-P3-M0806S	06
G-P3-M1010S	10



通用
General
防回转
Anti-rotation

SN

内置弹簧轻量化支架
Lightweight bracket



型号 Models	行程 mm Track
SNT-J10 SNY-J10	
SNT-J20 SNY-J20	10
SNT-K10 SNY-K10	20
SNT-K20 SNY-K20	



通用
General
防回转
Anti-rotation

SW

外置弹簧轻量化支架
Lightweight bracket



型号 Models	行程 mm Track
SWT-J5 SWY-J5	
SWT-J10 SWY-J10	
SWT-J20 SWY-J20	5
SWT-K5 SWY-K5	10
SWT-K10 SWY-K10	20
SWT-K20 SWY-K20	

伯努利吸盘 **GNC**
Bernoulli Gripper

复合材料 透气性
Composite Breathability materials



型号	定位器材质
Models	Material with locator
GNC20	
GNC30	无定位器
GNC40	PN (黑色 NBR)
GNC60	PS (乳白色硅橡胶)
GNC80	PK (PEEK)

伯努利吸盘 **BNL06**
Bernoulli Gripper

光伏行业 复合材料 透气性
photovoltaic Composite Breathability industry materials



型号	缓冲垫材质
Models	Cushion pad Material
BNL06-150	
BNL06-160	
BNL06-170	HM (标准型海绵)
BNL06-180	PM (POM)
BNL06P-170	PK (PEEK)
BNL06P-180	SG (硅胶)

伯努利吸盘 **BNL03**
Bernoulli Gripper

光伏行业 复合材料 透气性
photovoltaic Composite Breathability industry materials



型号	缓冲垫材质
Models	Cushion pad Material
BNL03-120x60	
BNL03-155x40	HM (标准型海绵)
BNL03-170x42	PM (POM)
BNL03-170x42	PK (PEEK)
BNL03-180x80	SG (硅胶)

矩阵吸盘 **GPLA**
Matrix Vacuum Pad


复合材料
Composite materials



型号	材质
Models	Material
GPLA-42x30	N S NE SE

复合吸盘 **GCP**
Compound suction Pad

光伏行业 复合材料 透气性
photovoltaic Composite Breathability industry materials



型号	最大真空流量 L/min
Models	Vacuum flow
GCP40P-M10	320~850
GCP60P-M10	320~850
GCP60P-M20	900~1,200

VACUUM GENERATORS | 真空发生器

管道型真空发生器 **GZU□A**
Venturi Vacuum Generator

通用
General



型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
GZU05SA	-90	8
GZU07SA	-90	13
GZU05LA	-48	9
GZU07LA	-48	16

盒式 / 配管式真空发生器 **GZH□A**
Vacuum Generator Unit(VGU)

通用
General



型号	最大真空度 kPa		最大真空流量 L/min	
	S	L	S	L
Models	Ultimate vacuum pressure	Ultimate vacuum pressure	Maximum suction flow rate	Maximum suction flow rate
GZH05B □ A	-89	-48	6	13
GZH07B □ A	-89	-48	12	28
GZH10B □ A	-89	-48	26	52
GZH13B □ A	-89	-48	40	78
GZH15B □ A	-90	-66	58	78
GZH18B □ A	-90	-66	76	128
GZH20B □ A	-90	-62	90	155
GZH05D □ A	-90	-48	6	13
GZH07D □ A	-90	-48	12	28
GZH10D □ A	-90	-48	26	52
GZH13D □ A	-90	-48	40	78
GZH15D □ A	-90	-66	58	78
GZH18D □ A	-90	-66	76	128
GZH20D □ A	-90	-66	90	155

N: 丁腈橡胶; S: 硅橡胶; U: 聚氨酯橡胶; F: 氟橡胶; NE: 防静电丁腈橡胶; SE: 防静电硅橡胶
N: NBR; S: Silicone rubber; U: Urethane rubber; F: FKM; NE: Conductive NBR; SE: Conductive silicone rubber



3C行业
3C industry
包装行业
Packaging industry
注塑
Injection molding

集成式真空发生器 VGA/MVGA
Integrated Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VGA07H	-85	14
MVGA07H	-85	14



3C行业
3C industry
包装行业
Packaging industry
注塑
Injection molding

集成式真空发生器 VGK/MVGK
Integrated Vacuum Generator

型号	真空特性
Models	Vacuum characteristics
VGK10	MVGK12
VGK12	JMVGK10
MVGK10	JMVGK12
VGK	MVGK
JMVGK	P 真空泵型



金属板
Metal plate
包装行业
Packaging industry
注塑
Injection molding

多级真空发生器 ZL3/ZL6
Multi-stage Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
ZL3M	-91	240
ZL3H	-93	275
ZL6M	-91	540
ZL6H	-93	610



3C行业
3C industry
包装行业
Packaging industry
注塑
Injection molding

小型真空发生器 VHA
Small Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VHA07H	-92	13
VHA10H	-93	28
VHA12H	-93	38
VHA07L	-66	26
VHA10L	-66	42
VHA12L	-66	53



金属板
Metal plate
包装行业
Packaging industry
注塑
Injection molding

多级真空发生器 VBM
Multi-stage Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VBM5	-85	43
VBM10	-85	81
VBM20	-85	139
VBM30	-85	178



3C行业
3C industry
包装行业
Packaging industry
注塑
Injection molding

集成式真空发生器 VGB/MVGB
Integrated Vacuum Generator

型号	最大真空压力 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VGB07H	-90	32
VGB10H	-91	48
VGB12H	-91	55
MVGB07H	-90	32
MVGB10H	-91	48
MVGB12H	-91	55



金属板
Metal plate
包装行业
Packaging industry
注塑
Injection molding

多级真空发生器 ZL1
Multi-stage Venturi Vacuum Generator

型号	最大真空压力 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
ZL112A	-86	133



通用
General

带吹气功能真空发生器 VHC
Vacuum Generator with Blow-Off Function

型号	最大真空压力 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VHCH05	-88	8
VHCH07	-88	11
VHCL05	-69	13
VHCL07	-67	21
VHCE05	-85	7
VHCE07	-85	13



通用
General

多级真空发生器 VHD
Multi-stage Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VHD09-HA-3	-92	85
VHD09-LA-3	-75	80
VHD09-DA-3	-90	84
VHD09-PA-2	-73	38



金属板
Metal plate
包装行业
Packaging industry
复合材料
Composite materials
木材
timber

多级真空发生器 VTM
Multi-stage Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VTM301	-92	380
VTM302	-92	700
VTM303	-92	980
VTM304	-92	1,050
VTM305	-92	1,380
VTM306	-92	1,400





通用
General

多级真空发生器 **BV/BVP**

Multi-stage Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
BV25	-92	380
BV50	-92	700

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
BVP25	-92	380



通用
General

基本型真空发生器 **GV**

Standalone Venturi Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
GV-05HS	-85	7
GV-05LS	-58	10
GV-10HS	-91	27
GV-10LS	-58	36
GV-10HR	-88	25
GV-15HS	-91	63
GV-15LS	-58	95
GV-15HR	-88	88
GV-20HS	-91	110
GV-20LS	-58	170
GV-20HR	-88	88
GV-25HS	-88	160
GV-25LS	-58	250
GV-30HS	-88	225
GV-30LS	-58	350



通用
General

带破坏功能的快速真空发生器 **VHB**

Quick-Release Vacuum Generator

型号	最大真空度 kPa	最大真空流量 L/min
Models	Ultimate vacuum pressure	Maximum suction flow rate
VHB10	-85	35



通用
General

真空输送机 **GZH-X185**

Vacuum conveyor

型号	供给压力范围 MPa
Models	Supply pressure range
GZH10-X185	0~0.7
GZH20-X185	0~0.7
GZH30-X185	0~0.7
GZH40-X185	0~0.7

VACUUM GRIPPERS | 真空吸具



通用
General



重载
overload

海绵吸具(内置真空发生器) **GP60**

Self-Generating Porous Vacuum Gripper

型号	耗气量 L/min
Models	Gas consumption
GP60-320V-3	200
GP60-420V-3	200
GP60-520V-3	200
GP60-620V-3	200
GP60-820V-3	400
GP60-1020V-3	400
GP60-320V-5	200
GP60-420V-5	200
GP60-520V-5	200
GP60-620V-5	200
GP60-820V-5	400
GP60-1020V-5	400





通用
General



重载
overload

海绵吸具(外置真空源) **GP60**

Porous Vacuum Gripper (Externally Powered)

型号	所需抽气量 L/min
Models	Required pumping capacity
GP60-320V-3	150
GP60-420V-3	300
GP60-520V-3	390
GP60-620V-3	450
GP60-820V-3	510
GP60-1020V-3	750
GP60-320V-5	150
GP60-420V-5	300
GP60-520V-5	390
GP60-620V-5	450
GP60-820V-5	510
GP60-1020V-5	750





通用 重载
General overload



类型: PA03 类型: PA04
通用型 通用型
Type: PA03 Type: PA04
Universal use Universal use

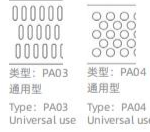


海绵吸具(内置真空发生器) GP130 Self-Generating Porous Vacuum Gripper

型号	耗气量 L/min
Models	Gas consumption
GP130-262V-3	100
GP130-316V-3	100
GP130-352V-3	100
GP130-442V-3	200
GP130-550V-3	200
GP130-640V-3	300
GP130-838V-3	300
GP130-1000V-3	400
GP130-295V-4	100
GP130-434V-4	200
GP130-572V-4	300
GP130-849V-4	400



通用 重载
General overload



类型: PA03 类型: PA04
通用型 通用型
Type: PA03 Type: PA04
Universal use Universal use



海绵吸具(外置真空源) GP130 Porous Vacuum Gripper (Externally Powered)

型号	所需抽气量 L/min
Models	Required pumping capacity
GP130-262V-3	110
GP130-316V-3	150
GP130-352V-3	220
GP130-442V-3	300
GP130-550V-3	390
GP130-640V-3	450
GP130-838V-3	600
GP130-1000V-3	750
GP130-295V-4	150
GP130-434V-4	300
GP130-572V-4	400
GP130-711V-4	510
GP130-849V-4	600



通用 重载
General overload



吸盘直径 20mm
吸具使用中排数为 3 排
类型: PX03
Pad diameter 20mm
The suction device has 3 rows in use
Type: PX03



吸盘吸具(内置真空发生器) GP60 Self-Generating Vacuum Pad Gripper

型号	排数
Models	Row number
GP60-285	
GP60-355	
GP60-401	
GP60-516	3
GP60-608	
GP60-816	
GP60-1001	



通用 重载
General overload



吸盘直径 20mm
吸具使用中排数为 3 排
类型: PX03
Pad diameter 20mm
The suction device has 3 rows in use
Type: PX03



吸盘吸具(外置真空源) GP60 Vacuum Gripper(Externally Powered)

型号	排数
Models	Row number
GP60-285	
GP60-355	
GP60-401	
GP60-516	3
GP60-608	
GP60-816	
GP60-1001	



通用 重载
General overload



吸盘直径 40mm 吸盘直径 20mm
吸具使用中排数为 3 排 吸具使用中排数为 5 排
类型: PS03 类型: PS05
Pad diameter 40mm Pad diameter 20mm
The suction device has 3 rows in use The suction device has 5 rows in use
Type: PS03 Type: PS05



吸盘吸具(内置真空发生器) GP130 Self-Generating Vacuum Pad Gripper

型号	排数
Models	Row number
GP130-295	
GP130-434	
GP130-572	3
GP130-849	5
GP130-1126	



通用 重载
General overload



吸盘直径 40mm 吸盘直径 20mm
吸具使用中排数为 3 排 吸具使用中排数为 5 排
类型: PS03 类型: PS05
Pad diameter 40mm Pad diameter 20mm
The suction device has 3 rows in use The suction device has 5 rows in use
Type: PS03 Type: PS05



吸盘吸具(外置真空源) GP130 Vacuum Gripper(Externally Powered)

型号	排数
Models	Row number
GP130-295	
GP130-434	
GP130-572	3
GP130-849	5
GP130-1126	



通用
General



内置真空发生器小型吸具 GP Compact suction tool with built-in vacuum generator

型号	真空度 kPa	真空流量 L/min
Models	Vacuum degree	Vacuum flow
GP120x60-D8-15FD-A	-85	176



通用
General



吸具配件 - 真空过滤器 GJF Suction device accessories-Vacuum Filter

型号	额定流量 m³/h
Models	Rated Flow
GJF002	32
GJF002-1	42
GJF004	100
GJF003	120
GJF006	300


通用
General

吸具配件 - 真空软管 PU

Suction device accessories-Vacuum Hose



型号	真空压力 kPa
Models	Vacuum degree
PU25-L	8,000
PU32-L	7,250
PU25-H	9,400
PU32-H	9,400
PU50-H	8,000
PU60-H	7,500
PU75-H	6,000
PU80-H	6,000


通用
General

吸具配件 - 有源控制阀 GPV

Suction device accessories-Actively Controlled Valve



型号	真空度 kPa
Models	Vacuum Level
GPV60-1B	
GPV60-2B	
GPV75-1B	-100
GPV75-2B	


通用
General

吸具配件 - 风机 GVB

Suction device accessories-Fan



型号	额定功率 kW	最大排吸风量 m³/h
Models	Rated Power	Maximum Flow Rate
GVB220	2.2	270
GVB300	3	318
GVB550	5.5	320
GVB750	7.5	520
GVB1100	11	520

VACUUM ACCESSORIES | 真空附件系列


通用
General

真空过滤器 (正负压可通用) GFC

Vacuum filter (Suitable for both positive and negative pressure)



型号	真空流量 L/min	
	正压	真空压
GFC5-3B	45	10
GFC5-4B	100	20
GFC7-4B	120	30
GFC7-5B	250	70
GFC7-6B	300	80
GFC7-7B	350	100



通用
General

真空过滤器 GFA

Vacuum filter




型号	压力范围 bar	过滤精度 um
Models	Pressure range	Filter fineness
GFA150	-1~0	10(PE)
GFA200	-1~0	100(SS)


通用
General

真空过滤器 (负压专用) GFC

Vacuum filter (For negative pressure use only)




型号	真空流量 L/min
Models	Vacuum flow
GFC100-04B	10
GFC100-06B	20
GFC200-06B	30
GFC200-08B	50


通用
General

真空过滤器 GFR

Vacuum filter




型号	压力范围 kPa	过滤精度 um
Models	Pressure range	Filter fineness
GFR20-06	-100~0	10
GFR20-08	-100~0	10
GFR20-10	-100~0	10
GFR20-12	-100~0	10
GFR20-16	-100~0	10

 通用
General


数显式压力表 GZSE/ISE
Digital pressure gauge



型号	设定压力范围
Models	Set pressure range
GZSE30A	10~105kPa
GZSE30AF	-105~105kPa
GISE30A	-0.105~1.05MPa

 通用
General

真空减压阀 GRA2000
Vacuum reducer valve




型号	设定压力范围 kPa
Models	Set pressure range
GRA2000-8	-100~-1
GRA2000-10	-100~-1

 通用
General


直动式三通阀 GK
Direct-acting three-way valve



型号	最高使用压力
Models	Maximum working pressure
GKA110	0.7MPa (低真空: -100kPa)
GKA210	
GKB110	
GKB210	

 通用
General

压力表 OMA/OMB
Pressure gauge



型号	连接外螺纹
Models	Connecting External Thread
OMA-40-10-1/8	G1/8
OMA-40-16-1/8	G1/8
OMA-50-10-1/4	G1/4
OMA-50-16-1/4	G1/4
OMB168-QDPE-001	NPTF1/8

 通用
General

防脱落阀 GP2V
Anti-fall valve



型号	适合固定节流孔径 mm
Models	Suitable fixed throttle aperture
GP2V-A5 GP2V-A5A5	0.5 0.7 1
GP2V-A6 GP2V-A6A6	
GP2V-A8 GP2V-A8A8	
GP2V-AG1 GP2V-AG1AG1	
GP2V-B5 GP2V-B5B5	
GP2V-B6 GP2V-B6B6	
GP2V-B8 GP2V-B8B8	
GP2V-BG1 GP2V-BG1BG1	

 通用
General

挠性接头 FLK
Flexo Link



型号	直立式负载 N
Models	Upright Load
FLK-G02M-G02M	750
FLK-G02F-M10x1.25M	500
FLK-G02F-G02M	750
FLK-G04M-G04M	3,000
FLK-G04F-G04M	3,000
FLK-G04F-G04M-V	4,500

 通用
General

球接头 KGL
Ball Joints



型号	直立式负载 N
Models	Upright Load
KGL-G01F-G01M-A2	300
KGL-G02F-G02M-A2	1,500
KGL-G02F-M10x1.25M-A2	1,500
KGL-G04F-G04M-A2	2,500

 玻璃行业
glass industry

 光伏行业
photovoltaic industry

真空吸盘套 TZ
Vacuum suction cup sleeve



型号		
Models		
TZ-25	TZ-80	TZ-280
TZ-30	TZ-100	TZ-300
TZ-40	TZ-120	TZ-360
TZ-50	TZ-160	
TZ-60	TZ-210	
TZ-70	TZ-230	

真空吸盘的材质 Vacuum Pad Material

项目 Project 材料 Material	表示符号 symbol	硬度 ShoreA ±5°	颜色 colour	使用温度 Usage temperature	特性 character							
					耐油性 Oil resistance	耐候性 Weather resistance	耐臭氧性 Ozone resistance	耐酸性 acid resistance	耐碱性 Alkali resistance	耐磨损性 Wear resistance	电气绝缘性 Electrical insulation	耐气体穿透性 Gas resistance
丁腈橡胶 Nitrile rubber	N	55	黑色 black	-30 ~ 120°C	◎	×	×	△	○	◎	△	○
硅橡胶 silicone rubber	S	55	白色 white	-50 ~ 220°C	△	◎	◎	△	○	○	◎	×
防静电硅橡胶 Conductive silicone rubber	SE	55	黑色红点 Black red dot	-50 ~ 180°C	△	◎	◎	△	○	△	×	×
氟硅橡胶 Fluorosilicone rubber	FS	55	红色 gules	-40 ~ 200°C	◎	◎	◎	○	○	○	○	○
防静电丁腈橡胶 Conductive NBR	NE	65	黑色蓝点 Black blue dot	-30 ~ 120°C	◎	×	×	△	○	◎	×	○
氟橡胶 Fluoro rubber	F	70	灰色 grey	-15 ~ 230°C	◎	◎	◎	◎	△	◎	◎	◎
防静电氟橡胶 Conductive fluororubber	FE	70	黑色白点 Black white dot	-10 ~ 230°C	◎	◎	◎	◎	△	◎	×	◎
聚氨酯橡胶 Polyurethane rubber	U	55	蓝色 blue	-20 ~ 120°C	◎	◎	◎	×	×	◎	○	○
防静电聚氨酯橡胶 Conductive polyurethane rubber	UE	65	蓝色黑点 Blue black dot	-10 ~ 120°C	◎	◎	◎	×	×	◎	×	○
三元乙丙橡胶 EPDM rubber	EM	55	黑色 Black	-40 ~ 150°C	×	◎	◎	○	○	△	◎	○
防静电三元乙丙橡胶 Conductive EPDM rubber	EE	65	黑色绿点 Black green dot	-40 ~ 150°C	×	◎	◎	○	○	△	×	○
氯丁橡胶 Neoprene	CR	55	黑色 Black	-40 ~ 120°C	○	○	○	△	○	△	△	○
防静电氯丁橡胶 Conductive neoprene	CE	65	黑色黄点 Yellow blackdot	-30 ~ 120°C	○	○	○	△	○	△	×	○
氢化丁腈橡胶 Hydrogenated nitrile rubber	HN	55	黑色 Black	-40 ~ 150°C	◎	◎	◎	◎	◎	◎	△	◎
防静电氢化丁腈橡胶 AConductive hydrogenated NBR	HE	65	黑色桔点 Black orange dot	-40 ~ 150°C	◎	◎	◎	◎	◎	◎	×	◎
过氧氟胶 Peroxy fluorane	FG	65	灰 / 黑 gray/ black	-25 ~ 250°C	◎	◎	◎	◎	○	◎	◎	◎
防静电 HBNR Conductive HBNR	HBUE	55	蓝色桔点 blue orange dot	-40 ~ 150°C	◎	◎	◎	◎	◎	◎	△	◎
聚氯乙烯 Polyvinyl Chloride	PVC	50	蓝色 blue	-15 ~ 65°C	○	◎	○	△	×	○	×	×
合成橡胶 Synthetic Rubber	ED	65/85	绿 / 蓝 green/ blue	-25 ~ 100°C	○	◎	○	×	◎	◎	×	×

注：◎：优 ○：良 △：可 ×：不可 ※◎：excellent ○：good △：acceptable ×：must not

该表所示为橡胶材质的一般特性，硬度为所用材质的标准硬度。
因使用环境对橡胶材质的影响比较大，请核实使用要求后，选择所需材质。
其他材质未说明的，请联系我司。

The table shows the general characteristics of rubber materials, and the hardness is the standard hardness of the materials used.
Since the use environment has a great impact on the rubber material, please check the use requirements and select the required material.
For other unspecified materials, please contact our company.

真空吸盘的耐久性

- 必须注意真空吸盘（橡胶）的老化情况
- 使用真空吸盘会发生下述现象
(1) 吸附面发生磨损
吸盘外形的直径变小，粘在和橡胶部相连的部位（风琴型吸盘）
(2) 橡胶发生永久性变形（吸附面的裙边部位、弯曲部位）

※ 上述现象可能会依据使用条件（高真空压力、吸附时间即保持真空时间等）不同而更早发生
- 关于更换吸盘的时间，请客户根据外观磨损、真空压力降低、搬运节拍延迟的情况自行判断

Vacuum Pad Durability

- Need to be careful of the vacuum pad (rubber) deterioration.
- When the vacuum pad is used continuously, the following problems may occur.
(1) Wear-out of the adsorption surface.
Shrinkage of the pad dimensions, sticking of the part where the rubber materials come into contact with each other (bellows pad)
(2) Weakening of the rubber parts (skirt of the adsorption surface, bending parts, etc.)

※ It may occur at an early stage depending on the operating conditions (high vacuum pressure, suction time [vacuum holding], etc.).
- Decide when to replace the pads, referring to the signs of deterioration, such as changes in the appearance due to wear, reduction in the vacuum pressure or delay in the transport cycle time.

真空吸盘的更换期

因真空吸盘是消耗品，要定期进行更换

- 经常使用真空吸盘时，吸附面磨损，外形部慢慢变小，虽然吸盘直径变小，吸吊力减少，但可吸附
- 推测真空吸盘的更换期很困难，因为受表面粗糙度、使用环境（温度、湿度、臭氧、溶剂等）、使用条件（真空压力、工件重量、真空吸盘向工件的压紧力、缓冲的有无等）等的影响（关于风琴型，可能在弯曲部位发生残余变形、磨损、橡胶粘连现象）

※ 因此，真空吸盘的更换期是指初次使用的状况下，客户可按真空吸盘的更换期判断

※ 根据使用条件、使用环境，螺钉可能会松动。要定期进行维护

Replacement Period for Vacuum Pad

The vacuum pad is disposable. Replace it on a regular basis.

- Continued use of the vacuum pad will cause wear and tear on the adsorption surface, and the exterior dimensions will gradually get smaller and smaller. As the pad diameter gets smaller, lifting force will decrease, though adsorption is possible.
- It is extremely difficult to provide advice on the frequency of vacuum pad exchange. This is because there are numerous factors at work, including surface roughness, operating environment (temperature, humidity, ozone, solvents, etc.), and operating conditions (vacuum pressure, workpiece weight, pressing force of the vacuum pad on the workpiece, presence or absence of a buffer, etc.).
(Weakening of bent parts, wear, or sticking of rubber parts may occur with the bellows type pad.)

※ Thus, the customer should decide when the vacuum pad should be exchanged, based on its condition at time of initial use.

※ The bolt may become loose depending on the operating conditions and environment. Be sure to perform regular maintenance.

无痕吸盘的清洗方式

使用前、以及定期维护时，必须进行清洗。

- 抓住吸附面以外的部分。
※ 请勿用手直接触碰，推荐使用无发尘性的乙烯基手套。
- 将无发尘布充分渗入【2-丙醇（异丙醇）电子工业用（纯度 > 99.5%）】
※ 本溶剂为推荐使用。
- 擦拭吸附面（吸盘·树脂附件）以及与工件接触部位。
- 用洁净空气吹扫。（或者用干燥的无发尘布再次擦拭。）

Cleaning Method for Vacuum Pad

Before use and during regular maintenance, cleaning must be performed.

- Grasp the part other than the adhesive surface.
※ Do not touch directly with hands. It is recommended to use non-linting vinyl gloves.
- Fully immerse the dust-free cloth in [2-propanol (isopropanol) for electronic industry use (purity >99.5%)]
※ This solvent is recommended for use.
- Clean the suction surface (suction cup/resin attachment) and the areas in contact with the workpiece.
- Blow with clean air. (Alternatively, wipe with a dry, dust-free cloth.)

理论吸吊力表 Theoretical Lifting Force

吸盘尺寸 (ø1.5~ø50)
Pad Diameter (ø1.5~ø50)

单位: N
Unit: N

吸盘尺寸 (mm) Pad diameter (mm)	ø1.5	ø2	ø3.5	ø4	ø6	ø8	ø10	ø13	ø16	ø20	ø25	ø32	ø40	ø50	
S 吸盘尺寸的面积 (cm ²) Pad area S (cm ²)	0.02	0.03	0.10	0.13	0.28	0.50	0.79	1.33	2.01	3.14	4.91	8.04	12.6	19.6	
真空压力 kPa Vacuum pressure (kPa)	-85	0.15	0.27	0.82	1.07	2.40	4.2	6.6	11	17	26	41	68	106	166
	-80	0.14	0.25	0.77	1.00	2.26	4.0	6.2	10	16	25	39	64	100	157
	-75	0.13	0.24	0.72	0.94	2.12	3.7	5.8	10	15	23	36	60	94	147
	-70	0.12	0.22	0.67	0.88	1.98	3.5	5.5	9.3	14	22	34	56	87	137
	-65	0.11	0.20	0.63	0.82	1.84	3.2	5.1	8.6	13	20	31	52	81	127
	-60	0.11	0.19	0.58	0.75	1.70	3.0	4.7	8.0	12	18	29	48	75	117
	-55	0.10	0.17	0.53	0.69	1.55	2.7	4.3	7.3	11	17	27	44	69	107
	-50	0.09	0.16	0.48	0.63	1.41	2.5	3.9	6.7	10	15	24	40	62	98
	-45	0.08	0.14	0.43	0.57	1.27	2.2	3.5	6.0	9.0	14	22	36	56	88
-40	0.07	0.13	0.38	0.50	1.13	2.0	3.1	5.3	8.0	12	19	32	50	78	

吸盘尺寸 (ø63~ø340)
Pad Diameter (ø63~ø340)

单位: N
Unit: N

吸盘尺寸 (mm) Pad diameter (mm)	ø63	ø80	ø100	ø125	ø150	ø200	ø250	ø300	ø340
S 吸盘尺寸的面积 (cm ²) Pad area S (cm ²)	31.2	50.2	78.5	122.7	176.6	314.0	490.6	706.5	907.5
真空压力 kPa Vacuum pressure (kPa)	-85	265	427	667	1043	1501	2669	4170	7714
	-80	250	402	628	982	1413	2512	3925	7260
	-75	234	377	589	920	1325	2355	3680	6806
	-70	218	351	550	859	1236	2198	3434	6353
	-65	203	326	510	798	1148	2041	3189	5899
	-60	187	301	471	736	1060	1884	2944	5445
	-55	172	276	432	675	971	1727	2698	4991
	-50	156	251	393	614	883	1570	2453	4538
	-45	140	226	353	552	795	1413	2208	4084
-40	125	201	314	491	706	1256	1962	3630	

椭圆形吸盘 (2×4~8×30,30×50)
Oval Pad (2×4~8×30,30×50)

单位: N
Unit: N

吸盘尺寸 (mm) Pad diameter (mm)	2×4	3.5×7	4×10	5×10	6×10	4×20	5×20	6×20	8×20	4×30	5×30	6×30	8×30	30×50	
S 吸盘尺寸的面积 (cm ²) Pad area S (cm ²)	0.07	0.21	0.36	0.44	0.52	0.76	0.94	1.12	1.46	1.16	1.44	1.72	2.26	13.07	
真空压力 kPa Vacuum pressure (kPa)	-85	0.60	1.79	3.0	3.7	4.4	6.4	7.9	9.5	12.4	9.8	12.2	14.6	19.2	112
	-80	0.56	1.68	2.8	3.5	4.1	6.0	7.5	8.9	11.6	9.2	11.5	13.7	18.0	105
	-75	0.53	1.58	2.7	3.3	3.9	5.7	7.0	8.4	10.9	8.7	10.8	12.9	16.9	98
	-70	0.49	1.47	2.5	3.0	3.6	5.3	6.5	7.8	10.2	8.1	10.0	12.0	15.8	92
	-65	0.46	1.37	2.3	2.8	3.3	4.9	6.1	7.2	9.4	7.5	9.3	11.1	14.6	85
	-60	0.42	1.26	2.1	2.6	3.1	4.5	5.6	6.7	8.7	6.9	8.6	10.3	13.5	79
	-55	0.39	1.16	1.9	2.4	2.8	4.1	5.1	6.1	8.0	6.3	7.9	9.4	12.4	72
	-50	0.35	1.05	1.8	2.2	2.6	3.8	4.7	5.6	7.3	5.8	7.2	8.6	11.3	66
	-45	0.32	0.95	1.6	1.9	2.3	3.4	4.2	5.0	6.5	5.2	6.4	7.7	10.1	59
-40	0.28	0.84	1.4	1.7	2.0	3.0	3.7	4.4	5.8	4.6	5.7	6.8	9.0	53	

求吸吊力和真空吸盘的直径

求理论吸吊力

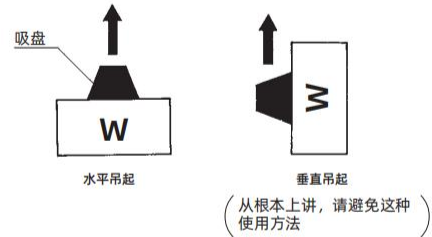
- 真空压力请设定在吸着稳定后的压力之下。
- 但工件有透气性的场合，或工件表面粗糙容易吸入空气的场合，由于吸入大气，会使真空压力下降，必须考虑此点。此类场合，需根据吸着试验来确定。
- 使用真空发生器的场合，真空压力大约为-60kPa左右。

吸盘的吸吊力，根据计算式以及表①理论吸吊力表即可求出。

根据计算式

$$W = P \times S \times 0.1 \times \frac{1}{t}$$

W: 吸吊力 (N)
 P: 真空压力 (kPa)
 S: 吸盘面积 (cm²)
 t: 安全率 水平吊起: 4 以上
 垂直吊起: 8 以上



根据理论吸吊力表

根据吸盘直径，真空压力，算出不含安全率的理论吸吊力。
 再用理论吸吊力除以安全率 t，可得出吸吊力。

$$\text{吸吊力} = \text{理论吸吊力} \div t$$

①理论吸吊力表 (理论吸吊力 = P × S × 0.1)

Lifting Force and Vacuum Pad Diameter

Theoretical Lifting Force

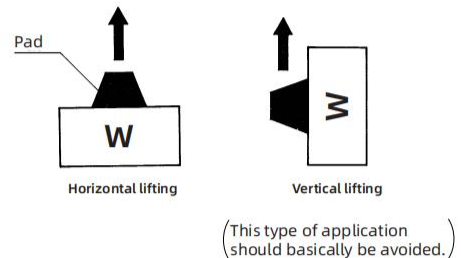
- Set the vacuum pressure below the pressure that has been stabilized after adsorption.
- However, when a workpiece is permeable or has a rough surface, note that the vacuum pressure drops since the workpiece takes air in. In such a case, carry out an adsorption test for confirmation.
- The vacuum pressure when using an ejector is approximately -60 kPa as a guide.

The theoretical lifting force of a pad can be found by calculation or from the theoretical lifting force table.

Calculation

$$W = P \times S \times 0.1 \times \frac{1}{t}$$

W: Lifting force (N)
 P: Vacuum pressure (kPa)
 S: Pad area (cm²)
 t: Safety factor Horizontal lifting: 4 or more
 Vertical lifting: 8 or more



Theoretical Lifting Force

The theoretical lifting force (not including the safety factor) is found from the pad diameter and vacuum pressure.
 The required lifting force is then found by dividing the theoretical lifting force by the safety factor t.

$$\text{Lifting force} = \text{Theoretical lifting force} \div t$$

① Theoretical Lifting Force (Theoretical lifting force = P × S × 0.1)



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