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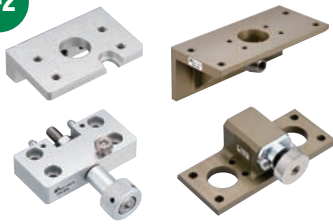


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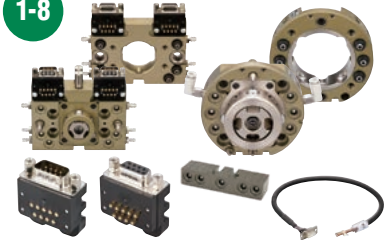
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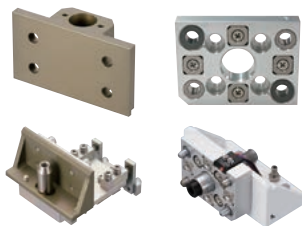
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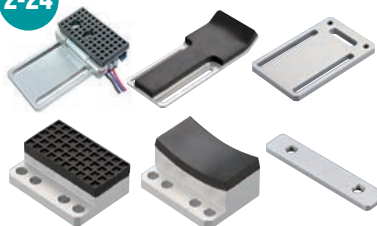
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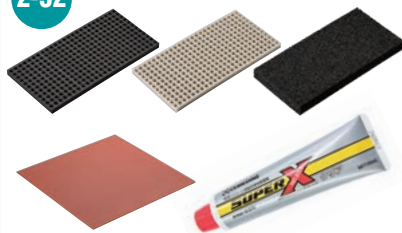
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Automated Hand Exchange System

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Mini Cylinder

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Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

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Frame / Module

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Base Aluminum Material

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Pneumatic Components / Sensors

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Frame / Section / Resin Cylinders / Pads / Resin Manifolds

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Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

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Quick Chuck Change Manual
Quick Chuck Change Manual (OM Type)

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Automated Hand Exchange System

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Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Suction / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics • Palletizing / Sheet Metal • Stamping • Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information

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Quick Chuck Change Manual

Order code No.	TYPE
140382	OM-50
140383	OM-50I
140384	OM-90
140385	OM-90I
140388	OMR-CBX20

1-17



Air Opion Parts

Order code No.	TYPE
140391	OX-SCA-10
140392	OX-SCIA-10

1-18

1-30



Tool Changer After Parts

Order code No.	TYPE
230117	XL0054-206A
110739	LX0219-203
152755	PHI.11
200320	UR10-10
221487	WRBC15-8-3
131773	NPB10

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Tool Changer For Articulated Robot

Order code No.	TYPE
140373	OX-120A
140374	OX-120AI
140314	OX-230A
140319	OX-230AI

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Probe Connector

Order code No.	TYPE
140393	OXR-MPS0508
140394	OXR-MPS1304
140395	OXR-MPS0508-I
140396	OXR-MPS1304-I
140397	OXR-PCS

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Micro Mini Cylinder (Pull)

Order code No.	TYPE
200260	UMCD-5T
200261	UMCD-10T
023357	CPUM-10
023358	CPUM-11

2-5



Mini Cylinder • Side Type

Order code No.	TYPE
123929	MCDP-10
123930	MCDP-20
123931	MCDP-AJBKT

2-22



Container Cylinder W/ Guided • Double Action

Order code No.	TYPE
131686	NGCYL20 * 20
131687	NGCYL20 * 40
131688	NGCYL20 * 50
131689	NGCYL20 * 75
131690	NGCYL20 * 100

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Runner Chuck (With Limit SW)

Order code No.	TYPE
023456	CHK-ES-08-C1
023457	CHK-EM-12-C1
023458	CHK-EL-12-C1
023459	CHK-EX-20-C1

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Runner Chuck EMR (W/O Sensor)

Order code No.	TYPE
023440	CHK-EMR-12
023443	CHK-EMR-CPE

2-40



Runner Chuck Buffer Unit

Order code No.	TYPE
023439	CHK-BU

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Pipe Combination Chuck • Grip

Order code No.	TYPE
090262	J25410G-40
090263	J25410G-30

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Three Claws Chuck

Order code No.	TYPE
197258	TCC-16
197259	TCC-25
197260	TCC-32

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Parallel Chucks 20st

Order code No.	TYPE
073318	HC-20
073319	HC-20S

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Aluminum LAMIZIP

Order code No.	TYPE
002407	AL-22

3-11



Suction Cups • Silicon (Vaccum)

Order code No.	TYPE
042095	EPJG-2-S
042096	EPJG-4-S
042097	EPJG-2-F-RA
042098	EPJG-4-F-RA
042099	EPJG-6-F-RA
042100	EPJG-8-F-RA

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Outer Stem Attachment Head

Order code No.	TYPE
042111	ETN-PS-2A-M5
042112	ETN-PS-10-M5

3-12



Suction Cups • Bellows • Silicon

Order code No.	TYPE
042101	EPCG-3-S

3-12



Suction Cups • Multistage Bellows • Silicon

Order code No.	TYPE
042102	EPLG-15-S5
042103	EPLG-20-S5

3-13



Suction Cups • Star-shaped Pouch • Silicon

Order code No.	TYPE
042107	EPMG-56L-S4
042108	EPMG-24S-S4
042109	EPMG-40S-S4
042110	EPMG-56S-S4

Please refer to the relations pages for more information about the products.

Example) 1-7 ➔ Please refer to Page 1-7.

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Suction Cups • Pouch • 2 stage Bellows

注文コードNo.	TYPE
042104	EPNG-132B-S4
042105	EPNG-133B-S4
042106	EPNG-134B-S4

3-14



Non-Contact Suction Pad

注文コードNo.	TYPE
042113	ECOPS-40-Y
042114	ECOPS-60-Y
042115	ECOPS-80-Y

3-23



Resin Suction Stem • Mini

注文コードNo.	TYPE
211144	VFILPL-SS-5
211145	VFILPL-SS-10
211146	VFILPL-SS-20
211147	VFILPL-SS-30

3-26



Resin Suction Stem • Small

注文コードNo.	TYPE
211148	VFILPL-S-5
211149	VFILPL-S-10
211150	VFILPL-S-20
211151	VFILPL-S-30

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Air Ejectors

Order code No.	TYPE
042116	ESVP10-A
042129	ESVP10-A-20
042117	ESVP-A-PA
010749	B1.5/60-MU65-N6-G-F2-38M
010750	B1.5/60-MU80-N6-G-F2-38M
042118	ESVP-A-SA

Order code No.	TYPE
042119	ESVP-FILT
042130	ESVP10-BKTJT12
042131	ESVP10-BKTJT20
042132	ESVP10-SEAL
042133	ESVP10-NOZL-UT

4-3



Mini Air Nipper • W/ Blade Open Adjust Mechanism

Order code No.	TYPE
131722	NW3-35-BAST
131723	NW3-35R-BAST
131724	NW3-20-BAST
131725	NW3-20R-BAST

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Nipper Adjustment Bracket

Order code No.	TYPE
131732	NW-ADJBKT
131770	NW-MOUNT12-20

4-10



Mini Air Nipper • HNW

Order code No.	TYPE
073301	HNW-10
073302	HNW-101
073303	HNW-10R
073304	HNW-20
073305	HNW-201
073306	HNW-20-V001S
073307	HNW-20-01C
073308	HNW-20R

Order code No.	TYPE
073309	HNW-20R-V001S
073310	HNW-35
073311	HNW-35-V001S
073312	HNW-35-01C
073313	HNW-35R
073314	HNW-35R-V001S
073355	HNW1-50
073356	HNW1-50R

4-25



Rotation BRT (For NR Nipper)

Order code No.	TYPE
131712	NP-RTB-NR10
131713	NP-RTB-NR20
131714	NP-RTB-NR30

4-27



Sprue Cut Unit

Order code No.	TYPE
131717	NS20UR

5-51



Robot Hand

Order code No.	TYPE
171372	RHK10-150
171373	RHK10-200
171374	RHK10-250
171375	RHK10-FA
171376	RHK10-FB

6-6



Pipe Fixtures

Order code No.	TYPE
102051	KQ2L06-M6A
101596	KQ2T04-00A
101597	KQ2T06-00A
100817	KCH04-M5
100818	KCH06-M5

6-18



Limit Switch • Sensor

Order code No.	TYPE
250006	Z-15GW55-B
002433	ACH02LN
002434	ACH02LS

9-1



Tool • Static Elimination

Added the convenient tools for assembling on the robot.
Add the static elimination parts when extracting and releasing the work piece.
For details, see section 9-8

For specifics on the new parts.
Please access our home page of Our company business.

Quick Chuck Change

Quick Chuck Change Manual
Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

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Pneumatic Components / Sensors

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PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

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Information

Various Products Information

Notice of specification changes

► Product of specification change

Order Code No.	Product before change	Part Name		Order Code No.	Specification	Part Name	Detailed contents of change	Page
140311	OX-35A	Tool changer for Articulated robot ・ robot side	→	140398	OX-35B	Tool changer for Articulated robot ・ robot side	Change inside piston	1-27
140312	OX-35AT	Tool changer for Articulated robot ・ robot side	→	140399	OX-35BT	Tool changer for Articulated robot ・ robot side		1-29
131281	NCON-CP-06	Pad ・ for mini container cylinder	→	131677	NCON-CP-06A	Pad ・ for mini container cylinder	Change in shape of pad	2-25
131603	NW-50	Mini Air Nipper	→	131771	NW1-50	Mini Air Nipper	Blade fixing method change	4-8
131604	NW-50R	Mini Air Nipper	→	131772	NW1-50R	Mini Air Nipper		4-8
041955	EG-NW50	Mini Air Nipper Replacement Blades	→	042134	EG1-NW50	Mini Air Nipper Replacement Blades		4-17
041956	EG-NW50R	Mini Air Nipper Replacement Blades	→	042135	EG1-NW50R	Mini Air Nipper Replacement Blades		4-17
131045	N01913-104	Connector plate25・D	→	131408	N01913-104	Connector plate25・D	Change in material and thickness	5-37
131047	N01913-106	Connector plate25・F	→	131410	N01913-106	Connector plate25・F	Change in material, thickness and shape	5-37
131051	N01913-301	Connector plate25・A	→	131414	N01913-301	Connector plate50・A	Change in material and thickness	5-37
050794	FCK1-1006	Sliding holder(mini)	→	054323	FCK1-1006	Sliding holder	Change of material treatment	5-50
000012	AZ8166	Limit Switch	→	073334	HL-5300	Limit Switch	Change of manufacturer	6-18
371677	AX-139 (SUPER-X8008 135ML)	Adhesive cemedine 135ML	→	002481	AX-250 (SUPER-X8008 135ML)	Adhesive cemedine 135ML	Substitute product due to discontinuation of production	2-52 9-8
054352	FS600-3	Lead free solder	→	073361	HS-304	Lead free solder	Change of manufactured	9-6

Notification of changes to sales methods and completing sales order.

► The following module (set) is changed from set sale to individual item sale.

Order Code No.	Name	TYPE	Page
042024	Base frame for jungle gym	EFCK-2500B	5-28
041664	Base frame for jungle gym ϕ 8	EFCK-1005	5-28
041662	Base frame for jungle gym ϕ 8	EFCK-1003	5-28
041663	Base frame for jungle gym ϕ 8	EFCK-1004	5-28
041666	Base frame for jungle gym ϕ 20	EFCK-2003	5-28
041670	Base frame for jungle gym ϕ 20	EFCK-2005	5-28
041672	Base frame for jungle gym ϕ 20	EFCK-2501	5-28
041673	Base frame for jungle gym ϕ 20	EFCK-2502	5-28
041686	Base frame for let's joint	EFCK-7500	5-39
041689	Base frame for let's joint	EFCK-7600	5-39
041692	Base frame for let's joint	EFCK-8000	5-39
041684	Base frame for let's joint	EFCK-7001	5-39
110571	Base frame for let's joint	LSM-003	5-39

► Sales end

Order Code No.	Name	TYPE	Page
131086	Spacers 25 • T5 • P25	N01918-101	5-37
041686	Base frame for let's joint	EFCK-7500	5-39
041689	Base frame for let's joint	EFCK-7600	5-39
041692	Base frame for let's joint	EFCK-8000	5-39
042024	Base frame for jungle gym	EFCK-2500B	5-29
090171	Gripper module for jungle gym	JGM-009	5-31
090175	Gripper module for jungle gym	JGM-013	5-31
090178	Gripper module for jungle gym	JGM-016	5-32
090180	Gripper module for jungle gym	JGM-018	5-32
090190	Limit switch module for jungle gym	JLM-003	5-33
090216	Suction module for jungle gym	JSM-003B	5-30
090219	Limit switch module for jungle gym	JLM-001B	5-33
090235	Gripper module for jungle gym	JGM1-004	5-31
090245	Gripper module for jungle gym	JGM1-023	5-32
110569	Suction module for let's joint	LSM-001	5-40
110583	Gripper module for let's joint	LGM-008	5-41
110584	Gripper module for let's joint	LGM-009	5-41
110589	Gripper module for let's joint	LGM-014	5-42
110590	Gripper module for let's joint	LGM-015	5-42
110592	Gripper module for let's joint	LGM-017	5-42
110599	Limit switch module for let's joint	LLM-003	5-42

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information

Notice Regarding Suction Cups

The suction cups will be changed to a silicone material that complies with the standards of the FDA (U.S. Food and Drug Administration) and BfR (German Federal Institute for Risk Assessment).
Please see the table below for the affected products. (Ordering codes, product names, models, and pad colors will be changed.)
There will be no change in the price.
We will switch over as soon as stock runs out.
Please check our website for the latest information.

► Suction Cups (Standard / Screw Mount Type)

Suction Cups	Order code No.	Product name	TYPE
	210789	Suction Cups • Standard • Micro • Brown	VAPH-4M
	210790	Suction Cups • Standard • Micro • Brown	VAPH-6M
	210700	Suction Cups • Standard • Silicone • Brown	VAPH-4C
	210255	Suction Cups • Standard • Silicone • Brown	VAPH-6C
	210191	Suction Cups • Standard • Silicone • Brown	VAPH-8C
	210615	Suction Cups • Standard • Silicone • Brown	VAPH-10C
	210192	Suction Cups • Standard • Silicone • Brown	VAPH-12C
	210616	Suction Cups • Standard • Silicone • Brown	VAPH-14C
	210193	Suction Cups • Standard • Silicone • Brown	VAPH-15C
	210194	Suction Cups • Standard • Silicone • Brown	VAPH-20C
	210617	Suction Cups • Standard • Silicone • Brown	VAPH-25C
	210195	Suction Cups • Standard • Silicone • Brown	VAPH-30C
	210618	Suction Cups • Standard • Silicone • Brown	VAPH-35C
	210196	Suction Cups • Standard • Silicone • Brown	VAPH-40C
	210621	Suction Cups • Standard • Silicone • Brown	VAPH-45C
	210619	Suction Cups • Screw Mount • Silicone • Brown	VAPH-50F
	210311	Suction Cups • Screw Mount • Silicone • Brown	VAPH-60F
	210044	Suction Cups • Screw Mount • Free • Silicone • Brown	VAPH-60F-2
	210620	Suction Cups • Screw Mount • Silicone • Brown	VAPH-70F

► Suction Cups (Standard / Screw Mount Type)

Suction Cups	Order code No.	Product name	TYPE
	211312	Suction Cups • Standard • Micro • ϕ 4	VAPS-4M
	211313	Suction Cups • Standard • Micro • ϕ 6	VAPS-6M
	211300	Suction Cups • Standard • ϕ 4	VAPS-4C
	211277	Suction Cups • Standard • ϕ 6	VAPS-6C
	211271	Suction Cups • Standard • ϕ 8	VAPS-8C
	211288	Suction Cups • Standard • ϕ 10	VAPS-10C
	211272	Suction Cups • Standard • ϕ 12	VAPS-12C
	211289	Suction Cups • Standard • ϕ 14	VAPS-14C
	211273	Suction Cups • Standard • ϕ 15	VAPS-15C
	211274	Suction Cups • Standard • ϕ 20	VAPS-20C
	211290	Suction Cups • Standard • ϕ 25	VAPS-25C
	211275	Suction Cups • Standard • ϕ 30	VAPS-30C
	211291	Suction Cups • Standard • ϕ 35	VAPS-35C
	211276	Suction Cups • Standard • ϕ 40	VAPS-40C
	211294	Suction Cups • Standard • ϕ 45	VAPS-45C
	211292	Suction Cups • Screw Mount • ϕ 50	VAPS-50F
	211280	Suction Cups • Screw Mount • ϕ 60	VAPS-60F
	211270	Suction Cups • Screw Mount • Free • ϕ 60	VAPS-60F-2
	211293	Suction Cups • Screw Mount • ϕ 70	VAPS-70F

► Suction Cups (Bellows Type)

Suction Cups	Order code No.	Product name	TYPE
	210897	Suction Cups • Bellows • Silicone • Brown	VAPH-3C-3
	210697	Suction Cups • Bellows • Silicone • Brown	VAPH-15C-3
	210661	Suction Cups • Bellows • Silicone • Brown	VAPH-20C-3
	210662	Suction Cups • Bellows • Silicone • Brown	VAPH-30C-3
	210663	Suction Cups • Bellows • Silicone • Brown	VAPH-40C-3

► Suction Cups (Bellows Type)

Suction Cups	Order code No.	Product name	TYPE
	211307	Suction Cups • Bellows • ϕ 3	VAPS-3C-3
	211311	Suction Cups • Bellows • ϕ 15	VAPS-15C-3
	211295	Suction Cups • Bellows • ϕ 20	VAPS-20C-3
	211296	Suction Cups • Bellows • ϕ 30	VAPS-30C-3
	211297	Suction Cups • Bellows • ϕ 40	VAPS-40C-3

► Suction Cups (TR Type)

Suction Cups	Order code No.	Product name	TYPE
	196327	Suction Cups • TR • ϕ 6 • Brown. Mini	TR-1062-1M (シリコン)
	196342	Suction Cups • TR • ϕ 8 • Brown. Mini	TR-1062-2M (シリコン)
	196406	Suction Cups • TR • ϕ 10 • Brown. Mini	TR-1062-3M (シリコン)
	196405	Suction Cups • TR • ϕ 12 • Brown. Mini	TR-1062-4M (シリコン)
	193511	Suction Cups • TR • ϕ 6 • Brown. Small	TR-1062-1 (シリコン)
	193512	Suction Cups • TR • ϕ 8 • Brown. Small	TR-1062-2 (シリコン)
	196135	Suction Cups • TR • ϕ 10 • Brown. Small	TR-1062-3 (シリコン)
	196136	Suction Cups • TR • ϕ 12 • Brown. Small	TR-1062-4 (シリコン)

► Suction Cups (TR Type)

Suction Cups	Order code No.	Product name	TYPE
	197513	Suction Cups • TRS • ϕ 6 • Mini	TRS-1062-1M
	197514	Suction Cups • TRS • ϕ 8 • Mini	TRS-1062-2M
	197516	Suction Cups • TRS • ϕ 10 • Mini	TRS-1062-3M
	197515	Suction Cups • TRS • ϕ 12 • Mini	TRS-1062-4M
	197509	Suction Cups • TRS • ϕ 6 • Small	TRS-1062-1
	197510	Suction Cups • TRS • ϕ 8 • Small	TRS-1062-2
	197511	Suction Cups • TRS • ϕ 10 • Small	TRS-1062-3
	197512	Suction Cups • TRS • ϕ 12 • Small	TRS-1062-4

► Suction Cups (W/ Sponge Type • Standard)

Suction Cups	Order code No.	Product name	TYPE
	210664	Suction Cups • W/Sponge • Silicone • Brown	VAPH-8C-SP
	210665	Suction Cups • W/Sponge • Silicone • Brown	VAPH-12C-SP
	210534	Suction Cups • W/Sponge • Silicone • Brown	VAPH-15C-SP
	210535	Suction Cups • W/Sponge • Silicone • Brown	VAPH-20C-SP
	210536	Suction Cups • W/Sponge • Silicone • Brown	VAPH-30C-SP
	210537	Suction Cups • W/Sponge • Silicone • Brown	VAPH-40C-SP
	210538	Suction Cups • W/Sponge • Silicone • Brown	VAPH-60F-SP

► Suction Cups (W/ Sponge Type • Standard)

Suction Cups	Order code No.	Product name	TYPE
	211298	Suction Cups • W/Sponge • ϕ 8	VAPS-8C-SP
	211299	Suction Cups • W/Sponge • ϕ 12	VAPS-12C-SP
	211283	Suction Cups • W/Sponge • ϕ 15	VAPS-15C-SP
	211284	Suction Cups • W/Sponge • ϕ 20	VAPS-20C-SP
	211285	Suction Cups • W/Sponge • ϕ 30	VAPS-30C-SP
	211286	Suction Cups • W/Sponge • ϕ 40	VAPS-40C-SP
	211287	Suction Cups • W/Sponge • ϕ 60	VAPS-60F-SP

► Suction Cups (W/ Sponge Type • Bellows)

Suction Cups	Order code No.	Product name	TYPE
	210914	Suction Cups • w/sp Bellows • Silicone • Brown	VAPH-20C-10-3-SP
	210915	Suction Cups • w/sp Bellows • Silicone • Brown	VAPH-30C-15-3-SP
	210916	Suction Cups • w/sp Bellows • Silicone • Brown	VAPH-40C-20-3-SP

► Suction Cups (W/ Sponge Type • Bellows)

Suction Cups	Order code No.	Product name	TYPE
	211308	Suction Cups • w/sp Bellows • ϕ 20	VAPS-20C-10-3-SP
	211309	Suction Cups • w/sp Bellows • ϕ 30	VAPS-30C-15-3-SP
	211310	Suction Cups • w/sp Bellows • ϕ 40	VAPS-40C-20-3-SP

► Suction Cups (Flat Face Type)

Suction Cups	Order code No.	Product name	TYPE
	210389	Suction Cups • Flat Face • Silicone • Brown	VAPH-15C-1
	210390	Suction Cups • Flat Face • Silicone • Brown	VAPH-20C-1

► Suction Cups (Flat Face Type)

Suction Cups	Order code No.	Product name	TYPE
	211281	Suction Cups • Flat Face • ϕ 15	VAPS-15C-1
	211282	Suction Cups • Flat Face • ϕ 20	VAPS-20C-1

► Suction Cups (Free Type)

Suction Cups	Order code No.	Product name	TYPE
	210280	Suction Cups • Free • Silicone • Brown	VAPH-12C-2
	210310	Suction Cups • Free • Silicone • Brown	VAPH-20C-2

► Suction Cups (Free Type)

Suction Cups	Order code No.	Product name	TYPE
	211278	Suction Cups • Free • ϕ 12	VAPS-12C-2
	211279	Suction Cups • Free • ϕ 20	VAPS-20C-2

► Suction Stem Covers

Suction Cups	Order code No.	Product name	TYPE
	211023	Suction Stem Cover	VAPH-SC
	211024	Suction Stem Cover	VAPH-SSC

► Suction Stem Covers

Suction Cups	Order code No.	Product name	TYPE
	211314	Suction Stem Cover	VAPS-SC
	211315	Suction Stem Cover	VAPS-SSC

► Suction Cups (W/ EP Sponge • Standard)

Suction Cups	Order code No.	Product name	TYPE
	210859	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-14C-EPSP
	210860	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-20C-EPSP
	210861	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-30C-EPSP
	210862	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-40C-EPSP
	210863	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-50F-EPSP
	210864	Suction Cups • W/EPsponge • Silicone • Brown	VAPH-60F-EPSP

► Suction Cups (W/ EP Sponge • Standard)

Suction Cups	Order code No.	Product name	TYPE
	211301	Suction Cups • W/EPsponge • ϕ 14	VAPS-14C-EPSP
	211302	Suction Cups • W/EPsponge • ϕ 20	VAPS-20C-EPSP
	211303	Suction Cups • W/EPsponge • ϕ 30	VAPS-30C-EPSP
	211304	Suction Cups • W/EPsponge • ϕ 40	VAPS-40C-EPSP
	211305	Suction Cups • W/EPsponge • ϕ 50	VAPS-50F-EPSP
	211306	Suction Cups • W/EPsponge • ϕ 60	VAPS-60F-EPSP

Quick Chuck Change

Quick Chuck Change Manual
Quick Chuck Change Manual (QM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing / Sheet Metal-Stamping- Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information

Handwriting practice lines consisting of 20 sets of three horizontal dashed lines.