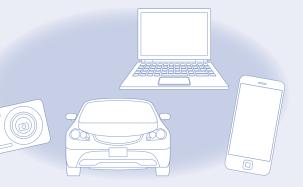
Products compatible with the environments of the secondary battery manufacturing process are available, contributing to the improvement of productivity and reduced defects.



Series Compatible with Secondary Batteries 25A- Series

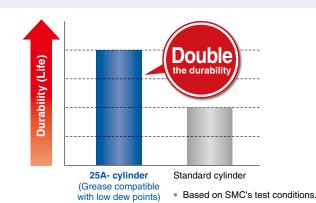


Improved performance in environments with low dew points

Uses grease compatible with low dew points

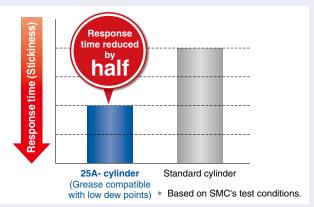
Double the durability

Durability comparison (Air cylinder)



Response time reduced by half

Comparison of cylinder response times after being pressurized and stored



Material Restrictions

The following materials are not used in order to reduce the number of defective products produced during the secondary battery manufacturing process:

- Metal materials whose main component is either copper or zinc are not used.
 - * Some of the aluminum alloy and aluminum die-cast materials contain traces of copper or zinc as an additive element. If a product with restrictions on the amounts of these additive elements is required, we can accommodate your needs via a special product. Please contact your local sales representative for further details.
- Electrolytic nickel plating with a copper layer or zinc plating are not used. * Electroless nickel plating is used.
- Parts of the piston rod, clevis pin, split pin, etc., of the cylinder are made of carbon steel with hard chrome plating. Therefore, as the processed parts aren't coated, an anti-rust oil coating is applied to these parts before shipment.
 - * Rust may be generated due to the operating environment. If the generation of rust is a problem, made-to-order options using stainless steel, etc., are available. Please contact your local sales representative for further details.
- The coils of solenoid valves, the circuit boards of electrical equipment, the motors of electric actuators, etc., use copper materials.
 - Parts whose materials cannot be easily changed to alternative ones and parts whose functions would be compromised by changing to alternative materials use copper and/or zinc materials. Please contact your local sales representative for further details.



1

Restrictions

Material Copper (Cu) Zinc (Zn)

Surface treatment

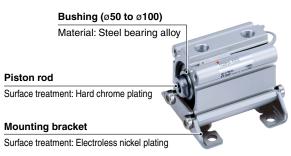
Electrolytic nickel plating with a copper layer
 Zinc plating

(Electroless nickel plating is used.)



- * Coils for solenoid valves, connector pins, and lead wires are made of copper.
- Manifold terminal block, wiring parts, connector metal parts, and printed circuit board are made of copper.

Compact Cylinder 25A-CQ2 Series



The auto switch magnet contains copper and/or zinc. (ø12)

Air Slide Table 25A-MXQ Series



Surface treatment: Hard chrome plating

Piston

Material: Stainless steel Aluminum alloy

Bolts

Surface treatment: Electroless nickel plating



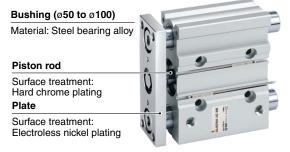


Surface treatment: Electroless nickel plating

* The auto switch magnet contains copper and/or zinc. (ø6, ø10, ø15)

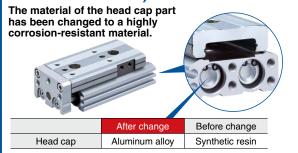
Cylinder 25A-CA2 Series Cushion valve Material: Steel bearing alloy Tie-rod Material: Stainless steel Mounting bracket Surface treatment: Electroless nickel plating

Compact Guide Cylinder 25A-MGPM Series



* The auto switch magnet contains copper and/or zinc. (ø12)

Corrosion-resistant Air Slide Table (Made to Order: 25A-MXQD-X771, 25A-MXSD-X1949)





* Cylinder mounting brackets made of steel are either electroless nickel plated, treated with RAYDENT®, or coated with electrodeposition paint.

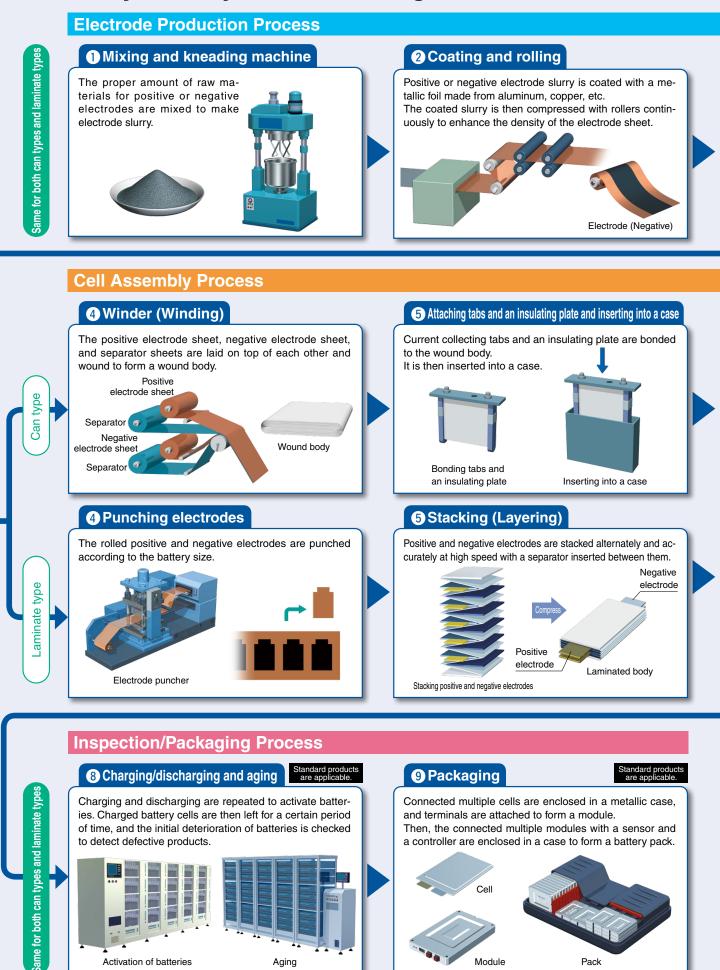


Series Compatible with Secondary Batteries

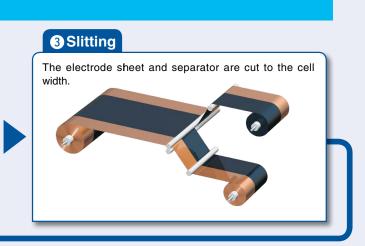


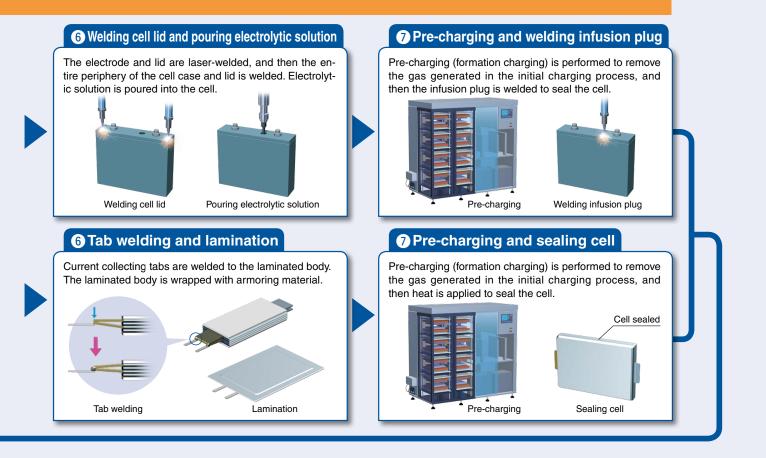
SMC

Secondary Battery Manufacturing Process



SMC









25A- Series Applicable Products

Description		Series	Page
Air Management System	Air Management System	25A-AMS/20/30/40/60	14-1
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	New	25A-JSY1000/3000 (Non plug-in metal base)	29
	New	25A-SY5000/7000 (Plug-in connector connecting base)	33
	- Constante	25A-SY5000/7000 (Single unit, Individual wiring)	63
		25A-VQ2000/4000 (Single unit, Plug-in unit)	73
	•	25A-SQ2000 (Plug-in type, Plug lead type)	87
	52×	25A-VQZ1000 (Single unit, Plug lead)	91
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ntro		25A-VP344/544/744 (Base mounted)	97
ပိ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25A-VP500/700-X536, X538, X555	98
nal		25A-VT317	99
ctic		25A-VG342	100
Dire	5-Port Air Operated Valve	25A-SYA5000/7000	101
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	413)	25A-CJ2 (ø10/ø16)	109
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		25A-CBJ2 (End lock) (Ø16)	111
S	New New	25A-CM2 (Ø20 to Ø40)	112
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Cyli	42	25A-CBG1 (End lock) (Ø20 to Ø63)	114
Air (25A-MB (ø32 to ø100)	115
		25A-CA2 (Ø40 to Ø100)	116
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omp Vlino	Free Mount Cylinder	25A-CU (010 to 032)	122
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7		⊘ SMC	

	Description	Carico	Dama
	Description	Series	Page
lers	Compact Cylinder	25A-CQS (Ø12 to Ø25)	124
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		25A-CQS (Anti-lateral load) (Ø12 to Ø25)	126
ylino		25A-CQ2 (ø12 to ø100)	127
vir C		25A-CQ2W (Double rod) (Ø12 to Ø100)	128
act ⊿		25A-CQ2 (Large bore size) (Ø125 to Ø200)	129
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ပိ	Q:	25A-CQ2⊡S (Anti-lateral load) (ø32 to ø100)	131
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S	and the second se	25A-MY1C (Cam follower guide) (ø16 to ø63)	136
uden		25A-MY1H (Linear guide) (Ø16 to Ø40)	137
Cylir	New	25A-MY2C (Cam follower guide) (ø16 to ø40)	138
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sodle		25A-MY3A/B (ø16 to ø63)	140
Ľ.		25A-MY3M (Slide bearing guide) (Ø16 to Ø63)	141
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lers	01-2 -	25A-MXQ⊡B (Low thrust with high rigidity type) (ø6 to ø20)	147
ylinc	- Alana	25A-MXQ□C (Single side-ported type) (ø8/ø12)	148
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pper	Rotary Clamp Cylinder	25A-MK (ø12 to ø63)	162
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လ်		25A-MHZJ2 (With dust cover) (Ø10 to Ø25)	184
ppel	New	25A-MHZJ2-X6100 (With dust cover) (ø32/ø40)	184
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Ę	Vacuum Pad	ZP (Only pad units and pads with stainless steel adapters)	208
Icut			214
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	Read and a second se	25A-AW-B (Filter regulator)	246
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		are not used as main components in the motel materials. Befor to the Web Catalog	-

*1 Standard products: For the standard model, copper (Cu) and zinc (Zn) are not used as main components in the metal materials. Refer to the Web Catalog for details.

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ntro		KPG (Clean One-touch fittings)	260
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	1 Standard products: For the standard model, copper (Cu) and zinc (Zn) are not used as main components in the metal materials. Befer to the Web Catalog for details		

*1 Standard products: For the standard model, copper (Cu) and zinc (Zn) are not used as main components in the metal materials. Refer to the Web Catalog for details.
 *2 Pressure gauge mounting: The G43-10-01-X300/G46-SRB pressure gauge cannot be mounted directly to the booster regulator as it will interfere with the booster regulator (25A-VBA10A) handle or the other pressure gauge (for the 25A-VBA20A/40A). In order to mount the pressure gauge, piping which does not cause any interference must be prepared separately.
 *3 Aside from the external parts and wetted parts, copper (Cu) and zinc (Zn) are used as main components in the metal materials.



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G	THE STATE	25A-PFM5 (For air, Remote type)	276
che		25A-PFM3 (For air, Flow monitor)	277
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ectic	New	25A-PF3A7□H-L (IO-Link)	280
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ipm	New	25A-JSX (High flow/ Power saving type: Stainless steel body: Water/Air/Oil)	288
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id O	Solenoid Valve	25A-VXD (For water)	292
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ors	New	25A-LEKFS (High rigidity and High precision slider type/AC servo motor: Applicable to the LECY	298-8
uato	New	25A-LEKFS (High rigidity and High precision slider type/Motorless type)	298-9
Act	New	25A-LEFS (Slider type/Battery-less absolute: Applicable to the JXCD)	298-10
tric	New	25A-LEFS (Slider type/Incremental (Step motor/Servo motor): Applicable to the JXC□/LEC□)	299
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	\sim	25A-LEFS (Slider type/AC servo motor: Applicable to the LECY_)	304
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25A- series grease pack ^{*1} applicable Grease pack part no. Quantity			

25A- series grease pack*1 applicable models

*1 Air cylinders (Except guide unit). For other models, please contact your local sales representative.

Grease pack part no.	Quantity
GR-D-005	5 g
GR-D-010	10 g
GR-D-100	100 g

Contained in a plastic container.

SMC

	Description	Series	
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		25A-LEJS (High rigidity slider type/AC servo motor: Applicable to the LECY)	306
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Electric Actuators	New	25A-LEY F (High performance/Rod type/Incremental (Step motor): Applicable to the JXC)	306-6
tual		25A-LEY (Rod type/Incremental (Step motor/Servo motor): Applicable to the JXC□/LEC□)	307
Ac	*	25A-LEY (Rod type/AC servo motor: Applicable to the LECS	311
ctric		25A-LEY (Rod type/AC servo motor: Applicable to the LECY)	313
Ше	New	25A-LEY (Rod type/Motorless type)	314-1
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Se		D-Y	315
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		D-F79/F7P/J79-900	
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	Reed Auto Switch	D-A90L/A93L-900	315
	-	D-Z80L-900	and
		D-E73A/E76A/E80A	onward

Special Products (Please contact your local sales representative for more details.)

	Description	Series
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	Air Cylinder With End Lock	CBM2
	WITT ENd LOOK	МВВ
Air Cylinders	Compact Cylinder with Lock	CLQ
Air Cy	Stopper Cylinder	RSQ
	Heavy Duty Stopper Cylinder	RS2H
Vacuum Equipment	Non-contact Gripper	XT661
t F	Aluminum	XLA (Normally closed)
High Vacuum Equipment	High Vacuum Angle Valve	
High		XLC (Double acting)
13		⊘SMC

D-E73A/E76A/E80A