

Pneumatic Equipment



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TAIYO offers total Pneumatic equipment to the global market which can be solution for customer demands in factory automation. Main plant of Pneumatic equipment, Tsukuba, has been approved ISO-9001, and support to various industries such as automotive, semi-conductor, food and medical industry. Taiyo aims to be a best player of Pneumatic equipment for the market always.

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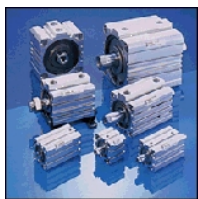
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■ Space-saving Pneumatic Cylinder

Actuator line to promote labor-saving in FA, with the advanced technology.



Compact Pneumatic Cylinder

7N-1 Series	Body Screwed Cylinder/Fully Threaded Body	-	
10S-1 Series	Compact Pneumatic Cylinder		
10S-5 Series	Compact Pneumatic Cylinder/Response to Long Stroke	-	
10S-6 Series	Compact Pneumatic Cylinder/Conforms to JIS B8368 IPS		
10S-6RE Series	Compact Pneumatic Cylinder/Response to Long Stroke	-	



Space-saving Pneumatic Cylinder

10F-2 Series	Flat Cylinder/Oval-shaped piston compact cylinder		
10F-1 Series	Flat Cylinder/Long Stroke Type		

10G-3 Series	Compact Guides Cylinder/Solid Guides	-	
10G-2 Series	Compact Guides Cylinder/Solid Guides	-	
7W-1 Series	Parallel Rod Cylinder/Twin-rod Type	-	
TS Series	Slide Unit/Twin-Double-rod Type	-	
TSB Series	Slide Block/Combines numerous functions in a single-axis unit.	-	



Rod-less Cylinder

RL2 Series	Magnet Type Rod-less Cylinder	-	
RL3 Series	Magnet Type Rod-less Cylinder	-	

Old Model

BL5 Series	Model changed to BL6 Series.	-	-
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Pneumatic Cylinder with Safety Lock

10S-6C Series	Compact Air Cylinder with Free Position One-Way Mechanical Lock	-	
10S-6REC Series	Compact Air Cylinder with Free Position One-Way Mechanical Lock	-	
7W-1L Series	Parallel Rod Cylinder with Safety Lock	-	
TSL Series	Slide Unit with Safety Lock	-	

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General Purpose Pneumatic Cylinder

Compact and heavy duty type actuators for various applications.



Round Body Design Pneumatic Cylinder

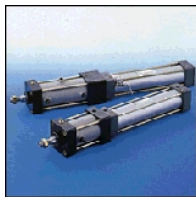
7Z-2 Series	Ultra-Compact Round Body Cylinder/Bore 2.5 to 16mm	-	
10Z-3 Series	Round Body Pneumatic Cylinder/Bore 12 to 63mm		
10Z-2 Series	Round Body Pneumatic Cylinder/Bore 20 to 40mm		-



General Purpose Pneumatic Cylinder

10A-6 Series	Pneumatic Cylinder/Bore 32 to 125mm		
DC7 Series	Pneumatic Cylinder/Bore 40 to 150mm		
10A-2 Series	Heavy Duty Type Pneumatic Cylinder/Bore 32 to 250mm		
10A-3 Series	Heavy Duty Type Pneumatic Cylinder/Bore 50		

	to 250mm		
7AL-3 Series	Large Bore Pneumatic Cylinder/Bore 280 to 400mm	-	-



Cylinder with Brake

10B-6 Series	Ideal for stopping in mid-stroke, setting position, or as a safety measure for emergency stopping.	-	
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Pneumatic Cylinder with Safety Lock

10Z-3L Series	Pneumatic Cylinder with Safety Lock ϕ 20 to ϕ 40	-	
10A-6L Series	Pneumatic Cylinder with Safety Lock ϕ 40 to ϕ 100	-	

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Compound Cylinders

Actuators for a wide range of applications to meet the increasing complexity of machinery.



EU Series	Escape Unit	-	
JEA Series	Clamp Unit	-	



Old Model

TPU Series	Discontinued.	-	-
RCA2 Series	Discontinued.		-
ST3 Series	Discontinued.		-
CL1 Series	Clamp Cylinder/Order made	-	-

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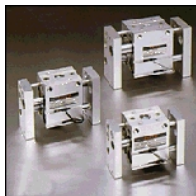
Gripper

High-accuracy grips with excellent stability for supporting FA.



Parallel Gripper

SH3 Series	Parallel Open-Closed Type		
SHA Series	Long Stroke Parallel Open-Closed Type		//
SHB Series	Parallel Open-Closed with Short Body Type		//
SV2 Series	Angular Type		//
RH Series	Rack-and-Pinion Type		//



Note) All CAD data file is same.

Old Model

SHG Series	Discontinued.	-
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Rotary Actuator

Two types of rotary actuators (vane type and rack and pinion type) for a wide variety of applications.



Rotary Actuator

TRV2 Series	Vane Type Rotary Actuator	- -
TRD Series	Vane Type Rotary Actuator/Step Type	- -
7RP3 Series	Rack and Pinion Type Rotary Actuator	-
TRA-1 Series	Rack and Pinion Type Rotary Actuator	



Old Model

TRV Series	Model changed to TRV2 Series.	- -
TRM Series	Discontinued.	- -

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Air Motor

Full line of vane type and radial piston type air motors for a wide variety.



Air Motor

TAV3 Series	Vane Type Air Motor/with high speed rotary	
TAM4 Series	Radial Piston Type Air Motor	



Old Model

TAV1 Series	Model changed to TAV3 Series.	- -
TAV2 Series	Model changed to TAV4/TAV5 Series.	- -
TAM1 Series	Model changed to TAM5 Series.	- -
TAM2 Series	Model changed to TAM5 Series.	- -

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Air-Oil System

Pneumatic to hydraulic conversion. Air-oil system provides the same control speed as hydraulic systems.



Air-Oil Unit

AHU2 Series	Air-Oil Unit	-	-
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Low-Pressure Hydraulic Cylinder

10H-6 Series	Low-Pressure Hydraulic Cylinder/Bore 32 to 100mm	-	-
10H-2 Series	Low-Pressure Hydraulic Cylinder/Bore 32 to 250mm	-	-

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High-Power System

High-power system for converting from easy-to-handle pneumatics to high-pressure hydraulics.



Compact Pneumatic Cylinder

NBH Series	Pneumerlock	-	
35HB Series	Air-Oil Booster	-	-
LE2 Series	Clamping Element		
HSP3 Series	Oil Pack Cylinder	-	-
TPH Series	Pneumatic Toggle Press	-	



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Grease Suction Unit

Only air supply needed to start suction



Grease Suction Unit

GVC-UN Series 	Portable, convenient		-
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