DM Series



Electric Gripper

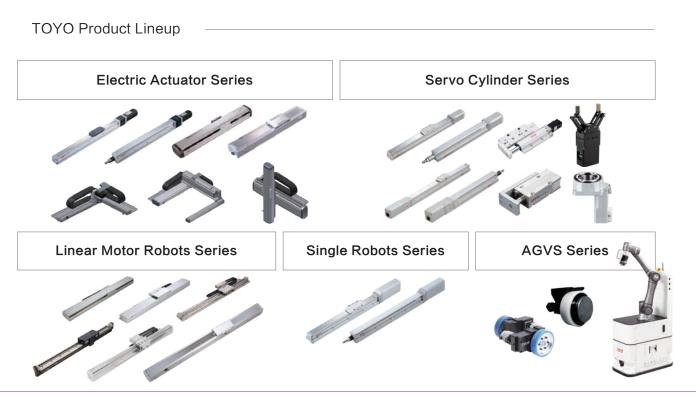
TOYO 2019 **CH** Series

2 Think

Tiny electric cylinder

With built-in Servo motor for enhanced compactness, lightness, and convenience.

Smallas a business bucardi





FAVA ثَ رَ ل

TOYO Automation Co., Ltd. Add: No. 55, Xinji 3rd Rd., Annan Dist., Tainan City 709, Taiwan. T:+886-6-2555222 F:+886-6-2552588

Add: No 586, Zhenxin East Road, Zhangpu Town, Kunshan City, Jiangsu Province, China. T:+86-512-86890880 F:+86-512-86890881

TOYO Robot (Shuzhou) Co., Ltd. TOYO Automation (Shenzhen) Co., Ltd. Add: 1208 Mingjun Business Center Huarong Road, Baoan District, Shenzhen City, China. T:+86-755-81713415 F:+86-755-81713435









Electric Gripper | Lineup

Control System | Features













The high gripping force was actualized with light and compact size by the peculiar cam structure.

CHB6-S11 CHB6-S14

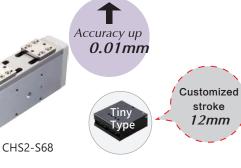






High Accuracy Ground Ball Screw Used.







Suitable for Human-machine cooperation robot.

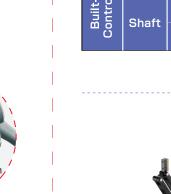


CHY80



CHG2

CHY150





Built-in controller Saving wiring

- Gripper and controller integrated, one piece design.
- With optional flange, CHY/CHG2 gripper can connect robot end directly
- Plug and play. Saving time and convenience.



Suitable for CHZ、CHB6、CHS2 Series.

Speed / Acceleration control

The speed and acceleration can be set within 100 mm/s. 1% unit set, the speed will change 1mm/s. Multi-speeds could be set too.

Control	Driven By	Model	Repeatability (mm)	Max.Stroke (mm)	Max.Speed (mm/s)	d Gripping Force (N)																			
Control							51	02	03	04	0 5	0 6	0 7	70 8	30 9	0 10	00 1	50 2	200	250	300) 4(00 5	00	600
TC100 Controller	Screw	CHZ20	±0.02	10	50							22-	~98												
		CHZ25		14	50							22-	~98												
	Cam	CHB6-S11	±0.02	11	100	0.72~2.4																			
		CHB6-S14		14	100	2.1~	7																		
	Ball Screw	CHS2-S20	±0.01	20	33									51~	124										
		CHS2-S40		40	41													111	~256						
		CHS2-S68		68	50															114	~509				
Built-in Controller	Cam	CHG2		30	150	(4.5~1	.5																	
	Shaft	CHY80	±0.05	80	200								32~	120											
		CHY150		150	200				12~	45															





Multi-position Control **Gripping Force Control**

127 points position can be set. Gripping force is settable in 1% unit from 30% to 100%.

Measuring Workpiece Workpiece check Function

With the position control function, the size measurement can be achieved 0.01mm You also can utilize the HOLD output signal to check if the gripper fails to grip a workpiece or drops, without using a sensor.

Communication format is open **Flexible Control**

Gripping force and speed can be controlled directly through communication signal(RS485). PLC can drive the electric gripper flexibly.





Set up the unit rotary switch before turning the power supply ON, and set the speed and gripping power as below.





Speed

Rotary Switch Settings