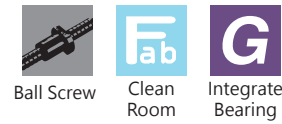


[LINEUP]



Rod Style

Ball Screw Drive

Roller Screw Drive

Integrated Rail

Economic

Stepper Motor ption

High Thrust

■ GTY Series

			
Repeatability	±0.01mm		
Vmax	720 mm/s	1200 mm/s	1200 mm/s
Max Payload	25 kg	40 kg	110 kg
Stroke	50~500 mm	50~600 mm	50~800 mm

■ Y Series

				
Repeatability	±0.01mm			
Vmax	720 mm/s	720 mm/s	720 mm/s	600 mm/s
Max Payload	40 kg	40 kg	100 kg	1200 kg
Stroke	50~500 mm	50~500 mm	50~700 mm	50~800 mm

■ CY Series

				
Repeatability	±0.01mm			
Vmax	600 mm/s	600 mm/s	240 mm/s	240 mm/s
Max Payload	40 kg	40 kg	80 kg	80 kg
Stroke	50~500 mm	50~500 mm	50~700 mm	50~700 mm

■ YH Series



YH95

±0.01mm	Repeatability
42mm/s	Vmax
3000 kg	Max Payload
50~800 mm	Stroke

TOYO



Tons NEW

YH95/Y95 Planetary Screw Heavy Duty Actuator

01

Planetary
Roller Screw
**Heavy
Payload**

02

Max Horizontal
Payload
3 tons

03

Max Vertical
Payload
1.2 tons

04

High Precision
±0.01mm

05

Hydraulic
Alternative
**Lowering
Maintenance
Cost**

06

Multiple Motor
Orientation
**Flexible
Mount**

07

Gearbox
**Multiple Ratio
Choice**

08

**High
Rigidity
Profile**

TOYO

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Official Website
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TOYO AUTOMATION CO., LTD

Ver.202409

[YH95/Y95 Features]

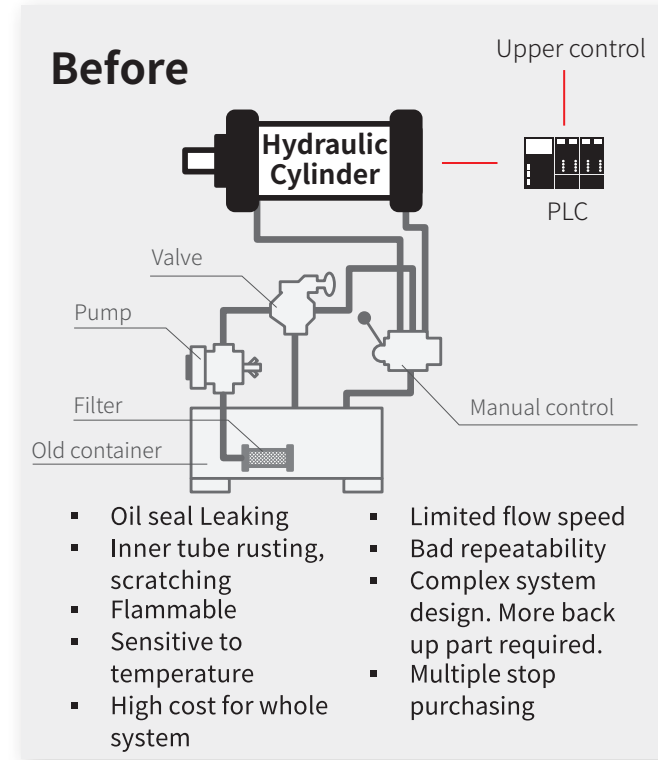
High Thrust Servo Cylinder



Long Rigidity,
Low Maintenance Required
Great Hydraulic System Alternative

Quick to install, troubleshoot, and test; lower maintenance costs and compact size, ideal for space-constrained applications.

Before



- Oil seal Leaking
- Inner tube rusting, scratching
- Flammable
- Sensitive to temperature
- High cost for whole system
- Limited flow speed
- Bad repeatability
- Complex system design. More back up part required.
- Multiple stop purchasing

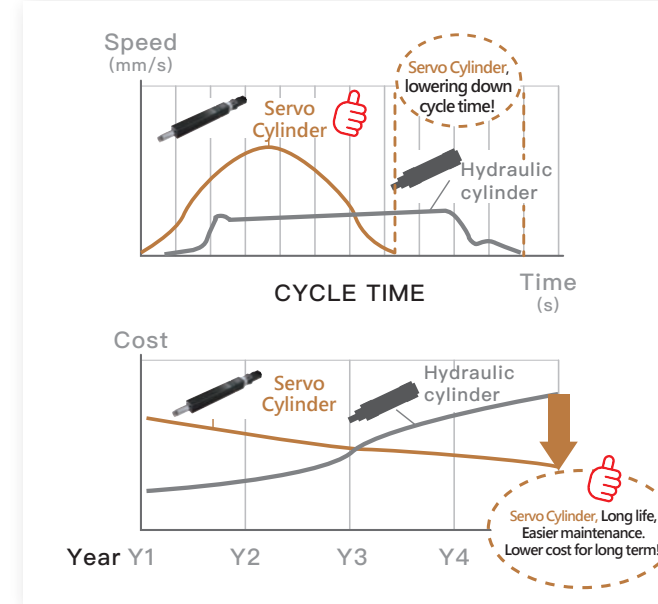
After



Electric cylinders: simple structure, easy maintenance!

- Multiple position control
- Speed, torque control
- Low noise
- Less parts, easier structure
- High repeatability
- Simple structure
- Low power consuming
- One stop purchasing

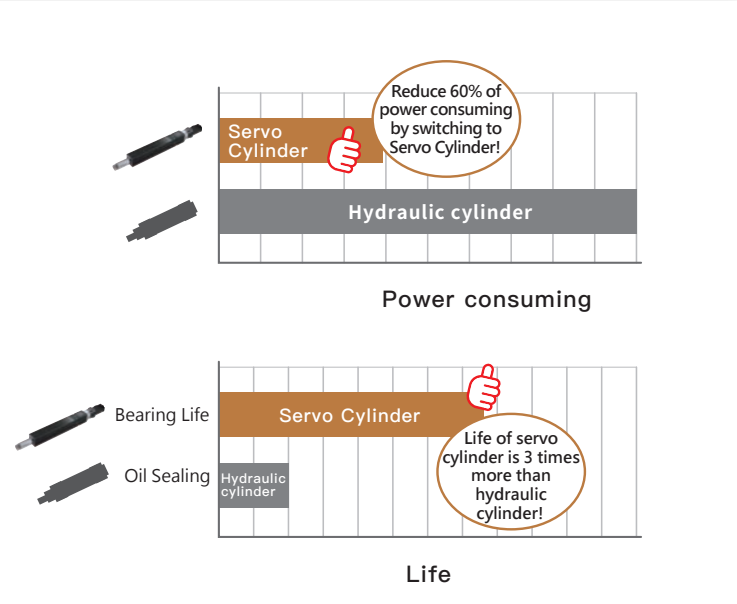
Speed



CYCLE TIME

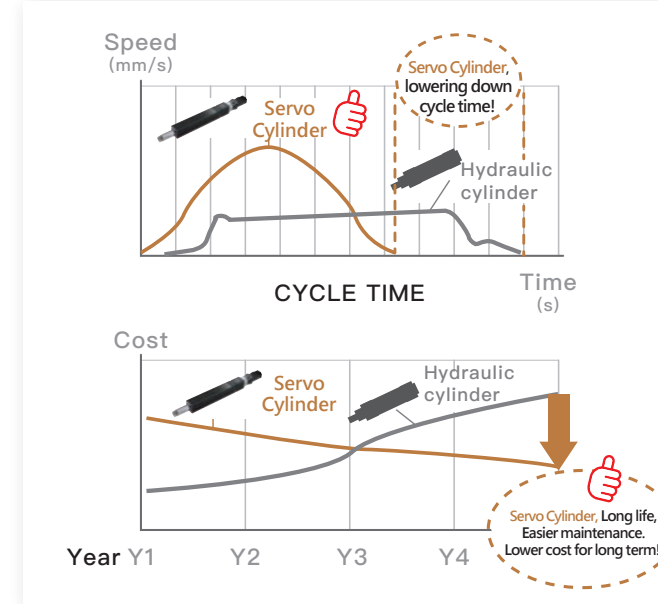
Servo Cylinder, lowering down cycle time!

Cost



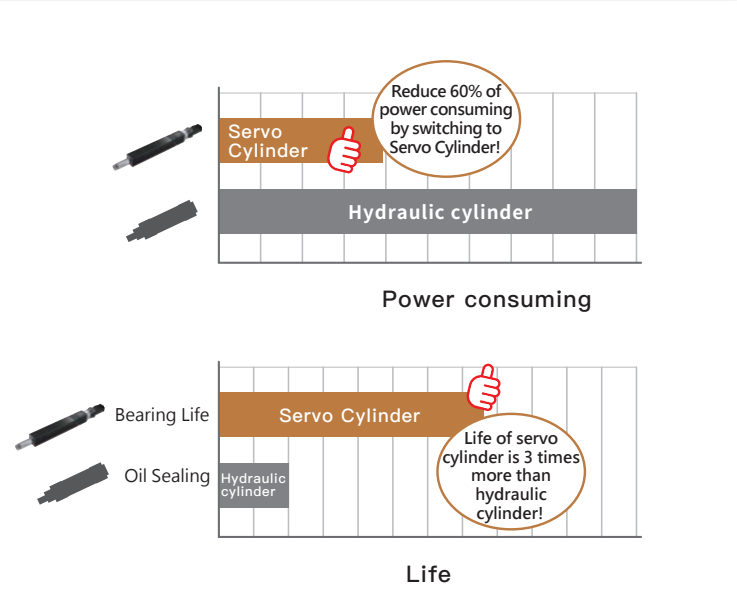
Servo Cylinder, Long life, Easier maintenance. Lower cost for long term!

Power consuming



Reduce 60% of power consuming by switching to Servo Cylinder!

Life



Life of servo cylinder is 3 times more than hydraulic cylinder!

High Thrust Series



YH95

Planetary roller screw

Increased contact surface

- Designed with a planetary roller screw, offering over three times the load capacity of similar-sized ball screws, with enhanced weight-bearing capability.



Y95

Ball Screw

Less contact surface

- Ball screws have less contact area than roller screws, generate less heat, and are therefore more efficient at higher speeds.
- Lower cost

coming soon

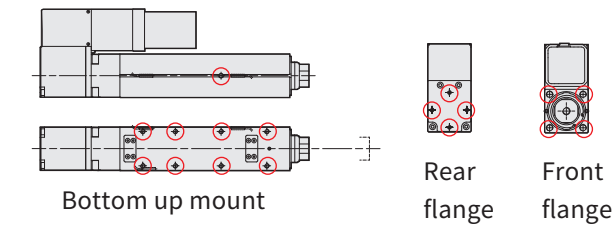
Spec Sheet

SPCES	Model		YH95				Y95	
	Repeatability (mm)		±0.01				±0.01	
	Reduction Ratio		3:1	5:1	8:1	10:1	-	2:1
	Motor max. speed (rpm)		1500				3600	
	Maximum Speed (mm/s)		42	25	16	13	600	300
	Maximum Payload	Horizontal (KG) ※2	1080	1500	2400	3000	700	1200
		Vertical (KG)	360	600	960	1200	200	400
	Rated Thrust (N) ※1		6150	10250	16400	20500	3150	6250
Accessories	Stroke (increments)(mm)		50 mm Pitch				50 mm Pitch	
	AC Servo Motor Output (W) ※3 ※4		750				750	
	Planetary Screw		Ø20				Ø20	
	Lead		5				10	
	Coupling		Ø58x53.4L				Ø19xØ17	
	Home Sensor	Outside	CS-6T					

※1 When using it vertically, if the belt breaks, the load may fall down. Please be careful.
※2 The lead is 90 when the reducer is not installed on the actuator.
※3 Compatible with 750W~2KW servo motors. For more details, please contact our sales representatives.
※4 Compatible with motors from different brands.

Mounting design

- Multiple mounting options. Flexible design choice.



Multiple motor mount options

- Multiple motor mount options. Flexible design choice.

