

**HIWIN®**

# END EFFECTORS



# Electric Gripper XEG Series



XEG-32

## Features

- Integrated with stepper motor and encoder featuring status feedback, abnormal alarm, object identification and signal output.
- Using linear module to achieve high speed, high precision, high rigidity, high efficiency and advantage of compact size.
- Equipped with auto-reset and gripping force adjustment for smart function like real-time adaptive capture.
- Direction, stroke, force, speed etc. can be set, and the software has the function of using the recorded history.
- Supports both serial and I/O communications, providing flexibility and convenience to users.

Model	XEG-32	
Total Stroke (mm)	32	
Gripping Force (N)	60~150	
Speed (mm/s)	Moving	1~80
	Gripping	1~20
Repeatability (mm)	±0.01	
Weight (kg)	0.7	
IP Class	IP20	
Cleanroom Class	ISO Class 5 (Class 100)	

\* Note 1: The weight of workpiece(kg) acceleration of gravity  $9.81(m/s^2)$  should be  $1/10\sim 1/20$  of the gripping force(N).If the gripper holding a workpiece moves or turns with high-acceleration/deceleration, choose the model with higher force allowance.

\* Note 2: To find out more details for the projects of "TM Robotics Plug & Play" and "UR+ Robotics Solutions", please visit HIWIN official website.

# Electric Gripper XEG Series



XEG-64

## Features

- Integrated with stepper motor and encoder featuring status feedback, abnormal alarm, object identification and signal output.
- Using linear module to achieve high speed, high precision, high rigidity, high efficiency and advantage of compact size.
- Equipped with auto-reset and gripping force adjustment for smart function like real-time adaptive capture.
- Direction, stroke, force, speed etc. can be set, and the software has the function of using the recorded history.
- Supports both serial and I/O communications, providing flexibility and convenience to users.

Model	XEG-64	
Total Stroke (mm)	64	
Gripping Force (N)	180~450	
Speed (mm/s)	Moving	1~100
	Gripping	1~20
Repeatability (mm)	±0.01	
Weight (kg)	1.9	
IP Class	IP20	
Cleanroom Class	ISO Class 5 (Class 100)	

\* Note 1: The weight of workpiece(kg) acceleration of gravity  $9.81(m/s^2)$  should be  $1/10\sim 1/20$  of the gripping force(N).If the gripper holding a workpiece moves or turns with high-acceleration/deceleration, choose the model with higher force allowance.

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# Electric Gripper Controller XEG Series



XEG-C1



XEG-C2



Model		XEG-C1
Voltage (V)		DC24±10%
Current (A)		0.5
External I/O	Input	5 points: Command point setting 1 point: Command input
	Output	6 point: motion output
Serial Communication		RS232(USB)
Number of Points	External I/O	30+1 set (Include original reset)
	Serial Communication	Unlimited
IP		20
Weight (kg)		0.15
Safety Circuit		N/A
ID Setting		N/A
Terminal Resistor		N/A

Model		XEG-C2
Voltage (V)		DC24±10%
Current (A)		0.5
External I/O	Input	6 points: Command point setting 1 point: Command input 1 point: Firmware version update
	Output	8 point: motion output
Serial Communication		RS485(Modbus-RTU)
Number of Points	External I/O	62+1 set (Include original reset)
	Serial Communication	Unlimited
IP		20
Weight (kg)		0.3
Safety Circuit		Trigger emergency stop (Servo OFF)
ID Setting		Rotary DIP switch (0-F), 15 stations
Terminal Resistor		120Ω

# Integrated Electric Gripper SEG Series



SEG-24

## Features

- Integrated control system  
The controller is embedded inside the gripper and the system has built-in motion parameters.
- User friendly  
Users control I / O signals easily, no need to edit programs and parameters.
- SEG-24  
Press to set up high-efficiency grip mode on gripper panel, with instant adaptive grip, mode adjustment and other intelligent function.

Model		SEG-24	
Gripper Spec.	Stroke Per Side (mm)	12	
	Gripping Force (N)	35	
	Speed (mm/s)	Moving	45
		Gripping	15
	Repeatability (mm)	±0.1	
	Weight (kg)	0.7	
	Voltage (V)	24	
	Current (A)	0.5	
IP	20		

\* Note 1: The weight of workpiece(kg) acceleration of gravity 9.81(m/s<sup>2</sup>) should be 1/10-1/20 of the gripping force(N).If the gripper holding a workpiece moves or turns with high-acceleration/deceleration, choose the model with higher force allowance.

\* Note 2: To find out more details for the projects of "TM Robotics Plug & Play" and "UR+ Robotics Solutions", please visit HIWIN official website.

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