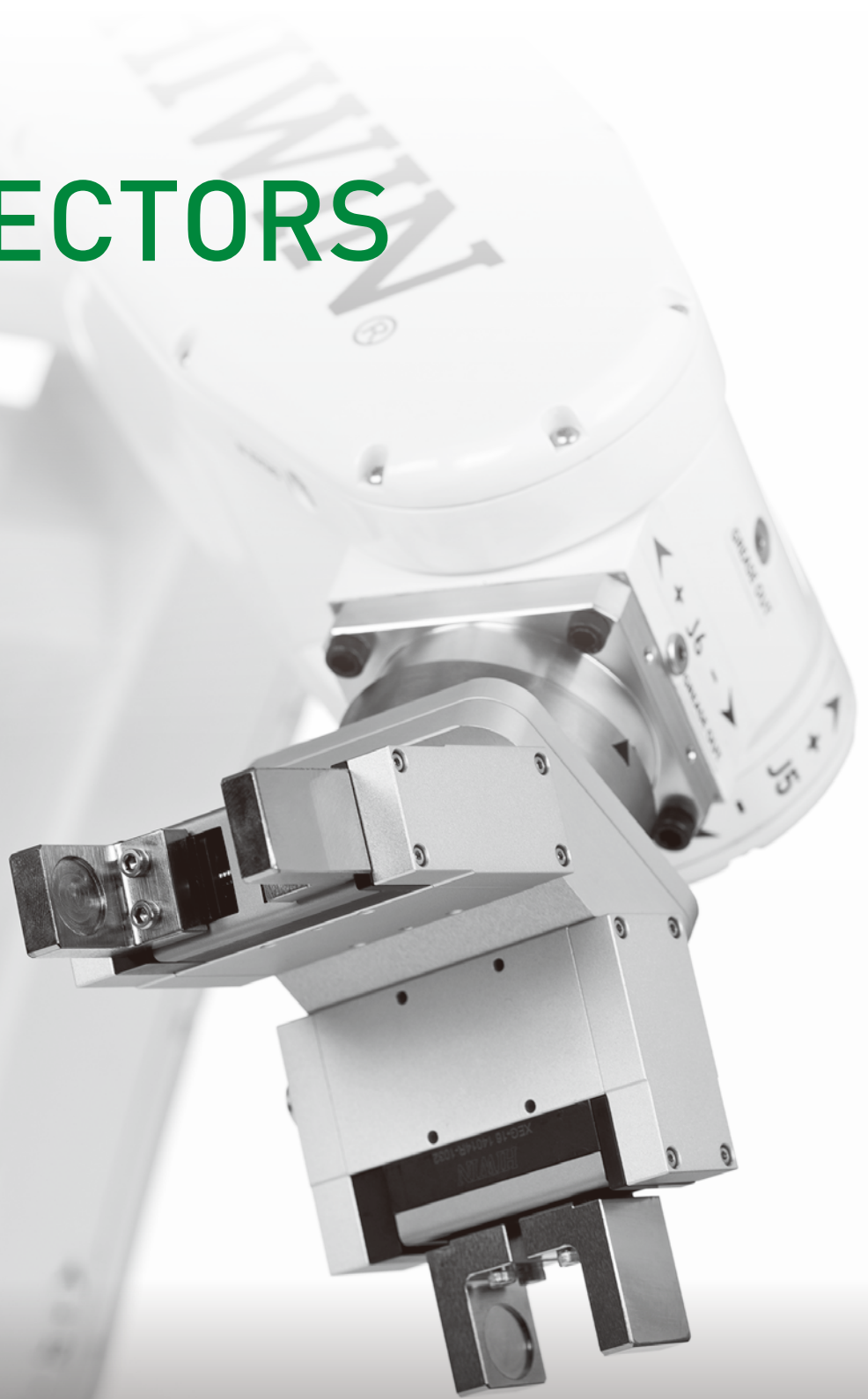


HIWIN®

END EFFECTORS



INDUSTRIE 4.0 Best Partner

Electric Gripper XEG Series



XEG-48



XEG-32-PR



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-16	XEG-32	XEG-48	XEG-64	XEG-32-PR	
Total Stroke (mm)	16	32	48	64	32	
Gripping Force (N)	25~50	60~150	135~270	180~450	75~150	
Speed (mm/s)	Moving	1~60	1~80	1~80	1~100	1~60
	Gripping	1~10	1~20	1~20	1~20	1~10
Repeatability (mm)	±0.01	±0.01	±0.02	±0.02	±0.01	
Weight (kg)	0.4	0.7	1.5	1.9	1.1	
IP Class	IP20			IP65		
Cleanroom Class	ISO Class 5 (Class 100)			ISO Class 3 (Class 1)		

* 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 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-04

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-04
Cycle time is 0.26 seconds, suitable for high-speed pick and place operations in electric component industry.
- 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-04	SEG-24	
Gripper Spec.	Stroke Per Side (mm)	2	12	
	Gripping Force (N)	8	35	
	Speed (mm/s)	Moving	-	45
		Gripping	45	15
	Repeatability (mm)	±0.1	±0.1	
	Weight (kg)	0.2	0.7	
	Voltage (V)	24	24	
	Current (A)	0.5	0.5	
IP	40	20		

* Note 1: The weight of workpiece(kg) acceleration of gravity $9.81(m/s^2)$ 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.

Integrated Electric Gripper STG Series



Features

- Integrated control system
The controller is embedded inside the gripper and the system has built-in motion parameters.
- User friendly
Users can control I / O signals, without having to edit programs and parameters.

Model		STG-16
Gripper Spec.	Stroke Per Side (mm)	8
	Gripping Force (N)	40
	Gripping Speed (mm/s)	30
	Repeatability (mm)	±0.1
	Weight (kg)	0.7
	Voltage (V)	24
	Current (A)	0.5
	IP	40

* Note 1: The weight of workpiece(kg) acceleration of gravity $9.81(m/s^2)$ 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.

Electric Rotary Joint ERJ Series



ERJ-30

ERJ-40-P3

Features

- Infinite rotation: passively transmit electric signals or air under infinite rotation, replacing and solving the wire deflection, space interference as well as wear and tear.
- Compact design: compact structure with lower height and minimum weight.
- High protection rating: IP54 to IP65, enhancing the durability and reliability of the product.
- Standard interface: the installed flange conforms to ISO9409-1, suitable for all kinds of robot.
- Simple assembly: embedded screws to easily assemble.

Model	ERJ-30	ERJ-40-P3
Rotating Angle	Unlimited	Unlimited
Max Speed (RPM)	150	120
Electric Channel	12	6
Pneumatic Channel	N/A	3
Max. Voltage (V)	24	24
Max. Current (A)	2	1
Max. Pressure (bar)	N/A	8
Axial load Fz (N)	50	400
Max. Dynamic Torque Mz (N-m)	2	45
Weight (kg)	0.6	1.1
IP	IP54	IP65

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