

Electric gripper

Electric Gripper features controller integrated design, large stroke range, precise force and position control, drop detection, and self-lock even during power loss. Application includes biomedical automated inspection, automated sorting and loading/unloading on production lines, precision assembly, unmanned retail, service robotics, etc.

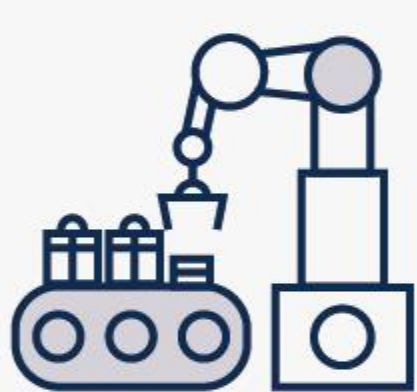
APPLICATIONS

- 3C semiconductor
- Precision machining and assembly
- Automotive parts
- New energy industry
- Unmanned retail
- Biomedical laboratory

EXAMPLES



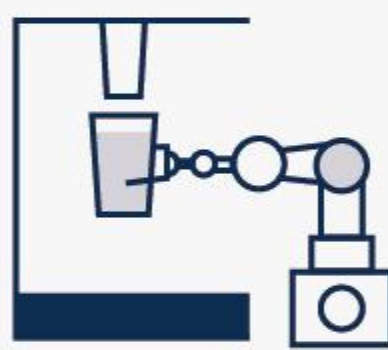
Loading and unloading



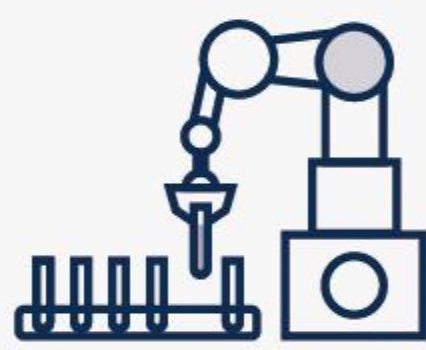
Sorting



Parts assembly



Unmanned retail



Scientific research experiments

FEATURES OF ELECTRIC GRIPPER



Controller integrated



Large stroke, precisely



Grip force precisely and controllable



Power-off Self-locking

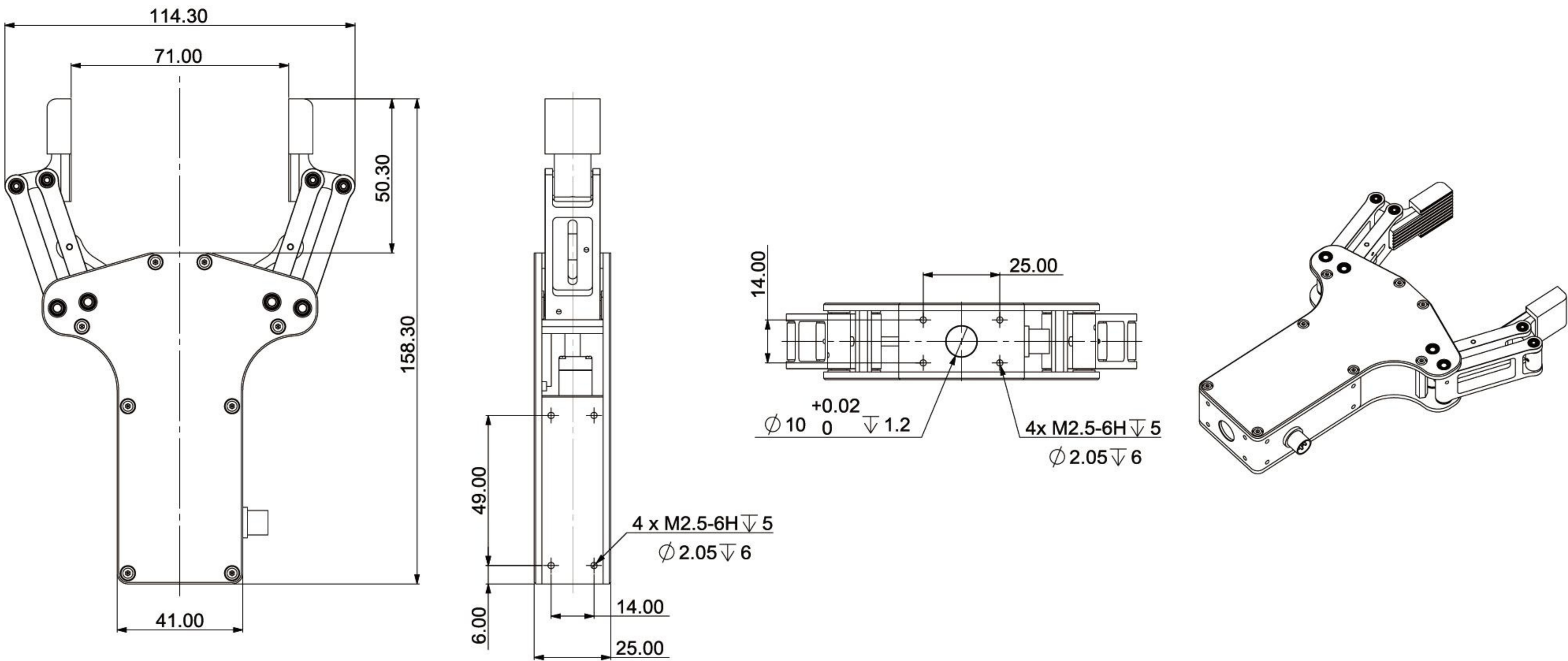
EG2-4B2

Features: Innovative linear mechanical linkage design, force and position control, large stroke, light weight, power off self-locking.



Model	EG2-4B2
Communication interface	RS485
Full stroke (both side)	70mm
Weight	223g
Grip force	0-15N
Force repeatability	±1N
Operating voltage	DC24V±10%
Idling current	30mA
Peak current	0.70A
Positioning repeatability	± 0.50mm
Full stroke closing time	0.85s
Unloaded current	200mA
Protection level	IP40
Recommended working temperature	0-40℃
Maximum speed	97mm/s

Dimensions



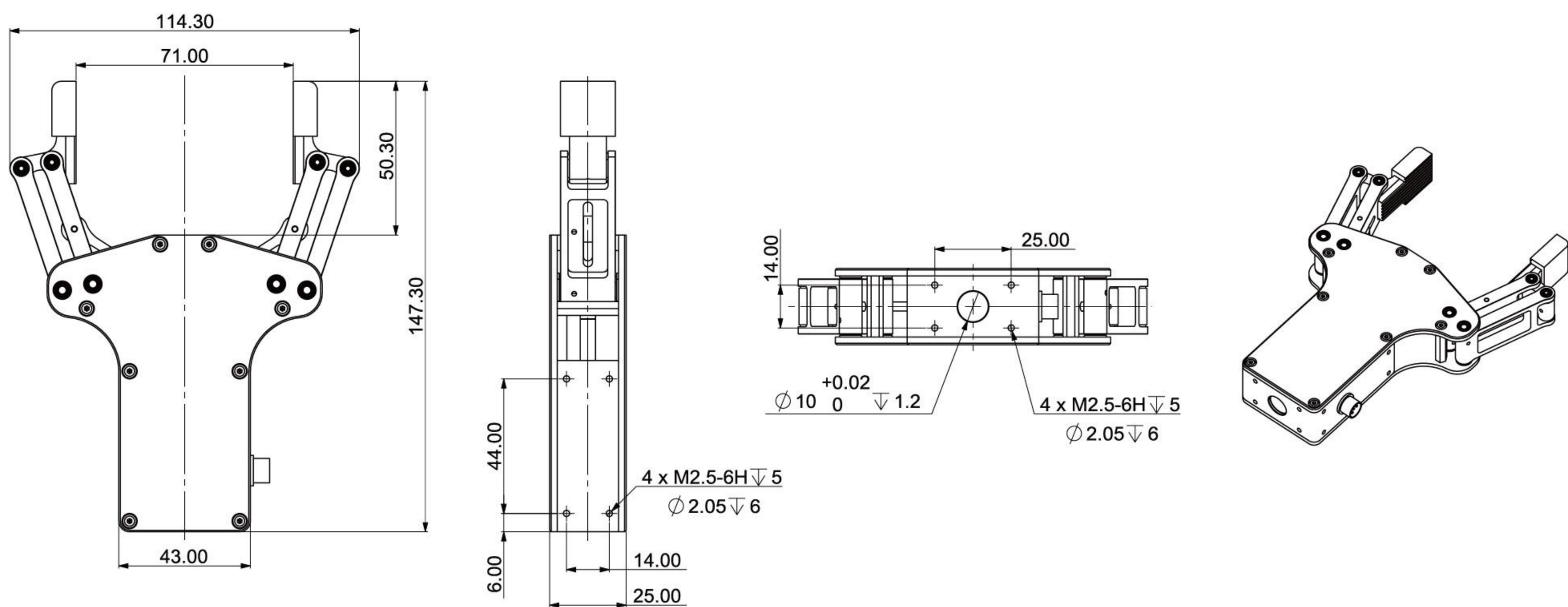
EG2-4C2

Features: Innovative linear mechanical linkage design, force and position control, large stroke, light weight, power off self-locking.



Model	EG2-4C2
Communication interface	RS485
Full stroke (both side)	70mm
Weight	231g
Grip force	0-20N
Force repeatability	±1N
Operating voltage	DC24V±10%
Idling current	30mA
Peak current	0.70A
Positioning repeatability	± 0.50mm
Full stroke closing time	1.3s
Unloaded current	200mA
Protection level	IP40
Recommended working temperature	0-40℃
Maximum speed	70mm/s

Dimensions





INSPIRE-ROBOTS

Smaller and Higher-Precision Motion Control Experts

FORCE CONTROL (FORCE CONTROL MODEL)

LASF Series

Adding integrated force sensor on the LAS series basis. Enabling real time push rod force detection and control.

DRIVE AND CONTROL INTEGRATED DESIGN

LAF Series

Adding integrated force sensor on the LA series basis. Enabling real time push rod force detection and control.



SMALL SIZE

LAS Series

Parallel placement of motor and screw structure. Advantages: Compact dimensions, light weight.

HIGH POWER DENSITY

BLA Series

BLA Series Micro Linear Servo Actuator integrates brushless motor and planetary roller screw. The drive control system includes FOC control algorithm, with four closed-loop controls of current, speed, position and force output.

HIGH PRECISION

LA Series

Tandem placement of motor and screw structure. Advantages: Slender appearance, small cross-section, light weight.

บริษัท เอ็นเทค อินดัสเทรียล โซลูชั่น จำกัด

17/121 ซอยงามวงศ์วาน 47 แยก 48 แขวงทุ่งสองห้อง เขตหลักสี่ กรุงเทพฯ 10210

Tel : 0-2779-8888 Email : info@entech.co.th Line : @entech

www.entech.co.th



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