eRDH SERIES

ELECTRIC PARALLEL GRIPPER

DESTACO's Robohand eRDH Series of electric grippers are designed with state-of-the-art gripper technology. eRDH grippers integrate 4 teachable sensors, speed control, force control, and internal or external grip settings. These grippers eliminates the complexity of configuration adjustment and sensor settings with it's highly intuitive keypad interface. An eRDH can be fully configured including sensor settings in under a minute.

These Robohand grippers include built-in jaw locking technology requiring no power to maintain grip force, a keypad lockout feature to prevent tampering and basic diagnostic feedback to PLC if a fault condition is detected.

The eRDH is an all-inclusive gripper requiring only a single cable to the PLC for power and discrete control signals.



PRODUCT HIGHLIGHTS/OPTIONS

- Low power electric gripping is ideal for mobile platforms
- Intuitive setup and commissioning
- 4 Integrated teachable sensors
- Self-locking grip requires no power to maintain
- IP67 Rated

ROBOHAND™

GRIPPING

FEATURES & BENEFITS

ELECTRIC

- 24VDC power with ultra low power consumption
- Built-in diagnostics with LED indication and discrete signal output

FLEXIBLE

- Intuitive keypad interface allows for quick configurability
- Force, speed, internal/external grip, 4-point teachable sensing
- Keypad lock and control override to release part as needed

PRECISION

- Fine tune gripping functions for greater accuracy and flexibility
- Teachable gripper opening/closing position sensing

APPLICATIONS

ASSEMBLY
CNC MACHINING
ELECTRIC PRODUCTS
WHITE GOODS/ APPLIANCE

MARKETS

FOOD & PACKAGING
INDUSTRIAL
AUTOMOTIVE
CONSUMER GOODS

DIMENSIONS AND TECHNICAL INFORMATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

eRDH SERIES ELECTRIC PARALLEL GRIPPER

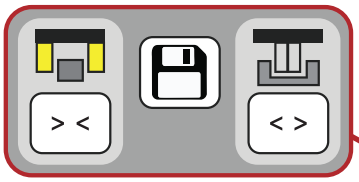
The distinctive eRDH keypad interface allows a user to quickly configure and adjust any setting including sensor teach points in seconds. Enhanced features include the keypad lockout, diagnostics error detection, automatic grip retry and manual local control override for part release. All adjustments are made with the push of a button and are activated once the save button is pressed. No special software needed; no special tools required.

Features:

- Strokes up to 16mm [0.63 in]
- Total grip force up to 1600N [360 lbf]
- 24V Discrete IO 2_IN/4_Out
- Continuous Grip self locking jaws
- Error detection feedback to PLC

Grip Mode and Local Control

External Grip Internal Grip



Select between two grip modes or use local control actuation for easy commissioning.

Save and Lockout

Save configuration changes or engage keypad lockout to prevent tampering.





Speed Control

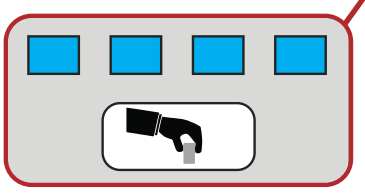
Slow Fast



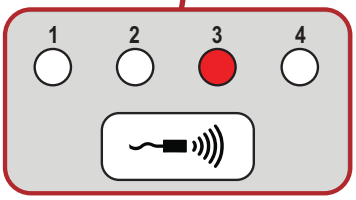
Quickly change the jaw open/close actuation speeds.

Grip Force Control

Four levels



Easily select 1 of 4 force settings via keypad interface.



Integrated Position Sensing

Four teachable grip positions.

Electrical Connector

M12, 8-Pin, A-Code, Pin Receptacle

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