

Fully self contained: Electronics and Actuators inside
External LED and optional Bluetooth interface
provide real time, online diagnostics.
Supports multiple MCU interfaces: TTL Serial
(Half and Full Duplex), USB and RS485

Actuated DoF 1: Wrist Rotation
Provides rotation of the whole unit,
including all payloads being held.

Actuated DoF 2: Closing of Fingers
With tendon tension equalizer,
dynamically adjusts all 3 fingers to
conform to the shape of the object.

Optical Distance Sensor
(Optional) Short range distance measurement.
Offers an additional layer of information on
grasping including real time feedback on the
presence of objects.

3 segment fingers

Similar to a Human hand, with 90° flex on
each joint.

Underactuated design, provides Adaptive
grasping capability, conforming to objects of
different shapes.

Hand guard

With fingers closed, all moving parts are contained
within the hand guard volume, for protection.
Provides protection and a support point to sustain demanding
motions such as a humanoid getting up from the floor.

