



PRENSILIA

GRASPING INNOVATION

POWERFUL

Up to 70 N maximum grip force available in all grasping patterns.

SMART

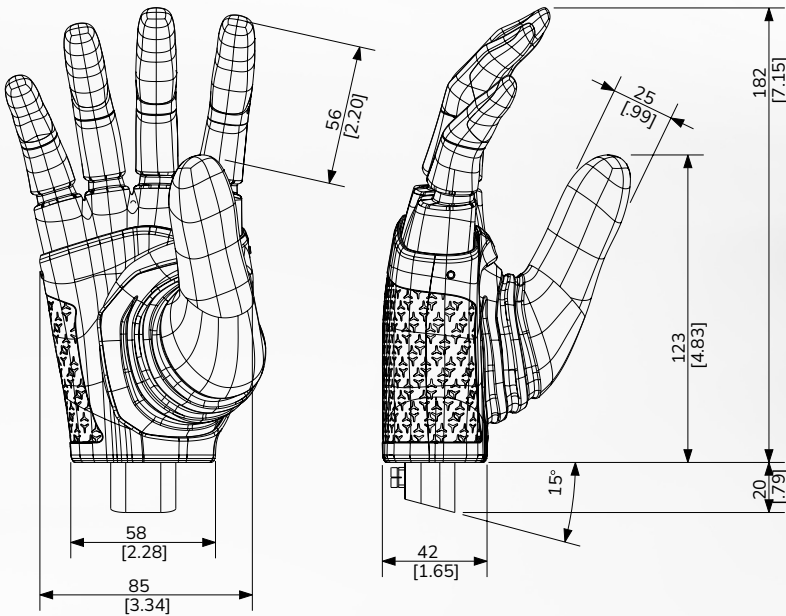
Embedded current, position and force* sensors allow for a variety of closed-loop control behaviours.

VERSATILE

5-in-1 multi-grasp anthropomorphic gripper for multiple industrial scenarios: hospitality, interfaces testing, maintenance and inspection, humanoid robotics.



**THE ONLY FULLY
CUSTOMIZABLE GRIPPER
ON THE MARKET**



MECHANICAL SPECIFICATIONS

Weight	480 g
Size	82 x 40 x 190 mm
Grasp force	Up to 70 N
Degrees of actuation/freedom	3/4
Closure time	0.3 s
Coupled fingers	Middle/Ring/Little

CONTROL AND SENSORY SYSTEM

Embedded PID controllers	position, speed (1 kHz) grasp controller
Configurable pre-set grasps	7
Position sensors (digital): 3	0.1 deg
Motor current sensors (analog): 3	1 mA (10 bits)
Limit switches (digital): 6	-
Force sensors (analog)*: 3	~50 mN (10 bits)

ELECTRICAL SPECIFICATIONS

Power requirements	24V @2.5A peak
Communication	RS-485

AVAILABLE MOVEMENTS

- Thumb flexion
- Index flexion and thumb opposition (semi-independent)
- Middle/Ring/Little flexion

*force sensors on thumb, index and middle fingers available on request