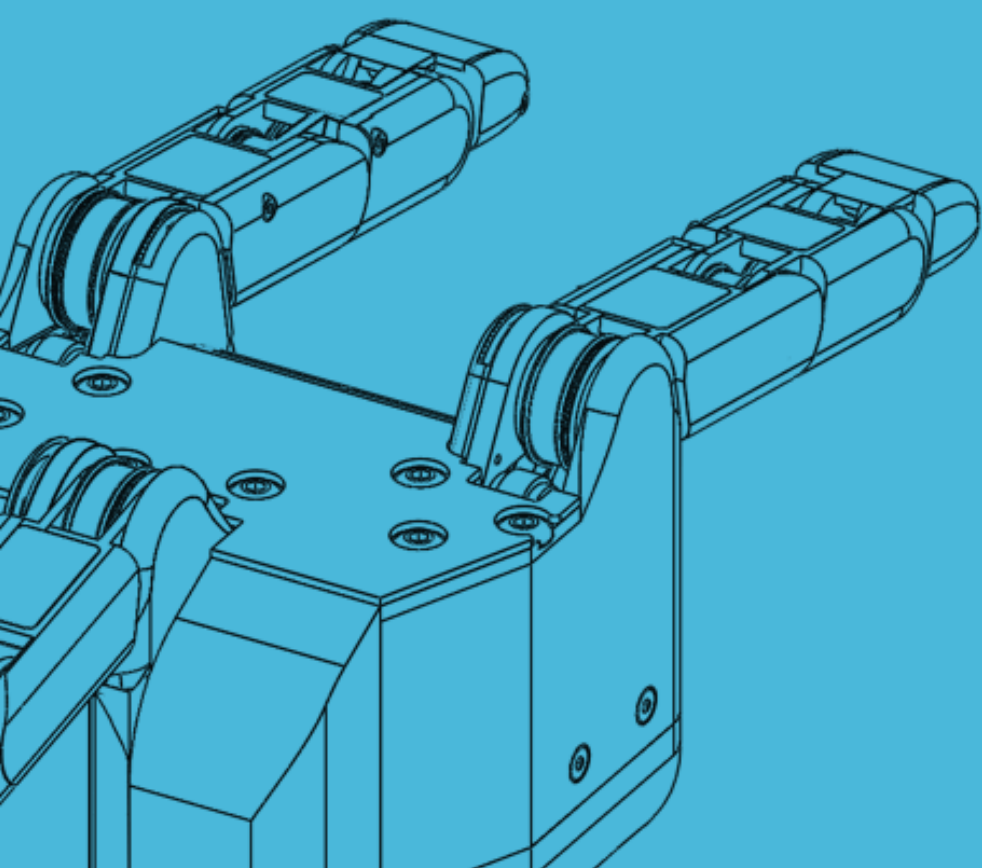


Exceeds industry-
leading payloads

Robust design

Easy implementation

Full sensing capabilities



SRI Robotics welcomes the opportunity to partner with government and commercial organizations to customize and deploy the next generation of robust, industry-leading manipulation solutions. Contact us with inquiries at robotics-program@sri.com.



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STAY CONNECTED



PROXI Hand-H3

Underactuated Robotic Manipulator

SRI Robotics™



Advantages

SRI's PROXI Hand-H3 Underactuated Robotic Manipulator was designed for the DARPA Robotics Challenge.

MECHANICAL

Total Degrees of Freedom	9
Actuated Degrees of Freedom	3
Payload (Encompassing Grip)	100 kg
Weight	2 kg
Closing Speed	80 mm/s

ELECTRONIC

Voltage Supply	24 VDC
Max Current	6 A
Joint Encoder Resolution	12 Bit
Force Sensor Resolution	12 Bit

CONTROL

Interface	Ethernet/TCP-IP
Update Rate	1 kHz
Control Methods	Force or Current
Feedback	Joint Position Tendon Force and Motor States

○ Underactuated three-finger design

○ Industry-leading grasping force of 100 kg for extreme applications

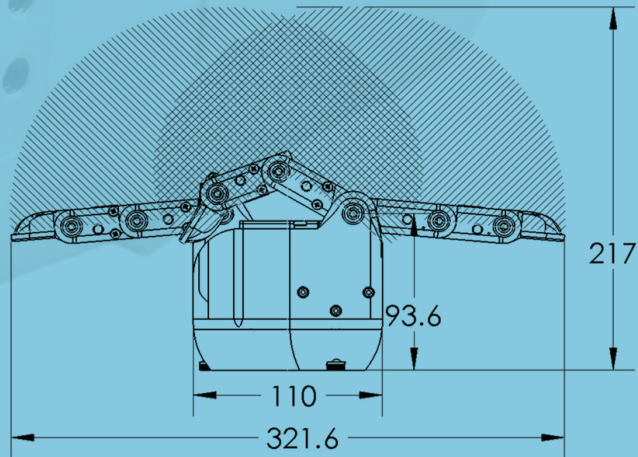
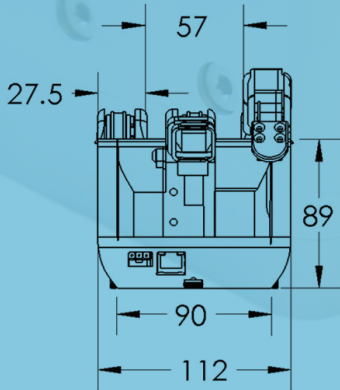
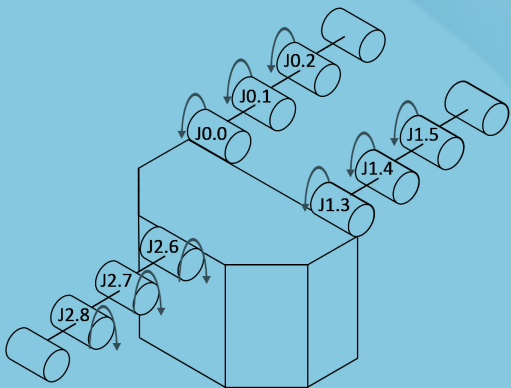
○ Absolute position sensing at each finger joint

○ Robust force control with load cell sensor on each finger tendon

○ Modular finger assemblies

○ Total weight 2 kg

○ ROS controlled over Ethernet



In millimeters