

# TROSSEN

# WidowX Ai

TrossenRobotics.com/widowx-ai



## SPECIFICATIONS

ARM WEIGHT    JOINT SPEED    ARM PAYLOAD  
**4kg**            **180°/S**            **1.5kg**

	Name	Operational Torque	Peak Torque	Range of motion	Joint Origins (mm)
<b>Joint 1</b>	Waist	9Nm	27Nm	-175, +175 deg	<0, 0, 52.75>
<b>Joint 2</b>	Shoulder	9Nm	27Nm	-240, + 0 deg	<-20, -30.38, 103.5>
<b>Joint 3</b>	Elbow	9Nm	27Nm	-0, +270 deg	<-244, -30.38, 103.5>
<b>Joint 4</b>	Wrist Tilt	3Nm	7Nm	-90 , +90 deg	<1, 26.75, 163.5>
<b>Joint 5</b>	Wrist Yaw	3Nm	7Nm	-90, +90 deg	<-68.75, 0, 209>
<b>Joint 6</b>	Wrist Rotate	3Nm	7Nm	-135, + 135	<-97.7, 0, 163.5>
<b>Joint 7</b>	Gripper	3Nm	7Nm	95mm Max open	<175.7, 0, 163.5>

### 6 DOF WITH PARALLEL GRIPPER

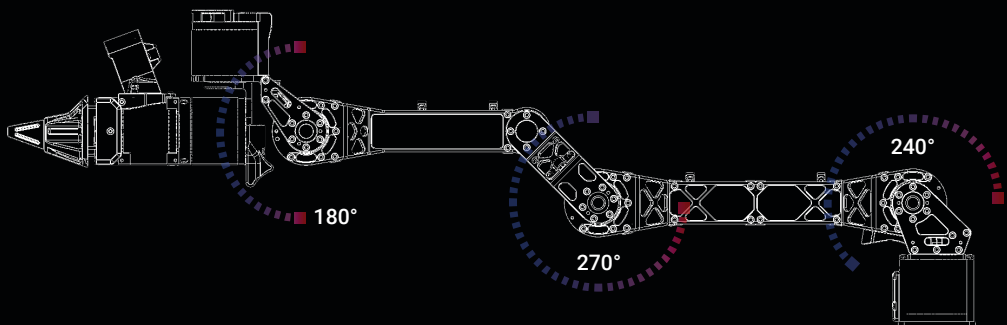
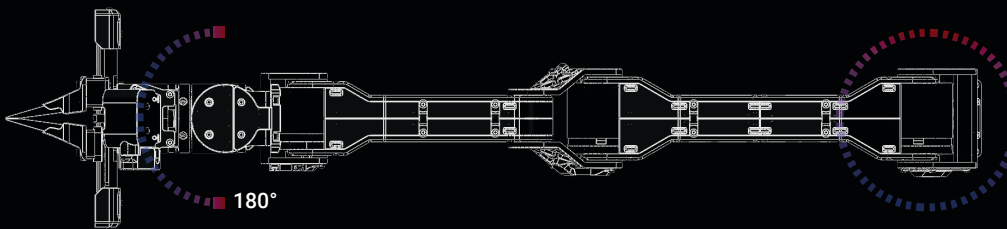
Gripper Type: Rack & Pinion Direct Drive

Gripper Max: 95mm

Voltage: 24V

Power supply: 24V 25A Dual Arm

Controller: iNerve Ethernet to CANbus



350°

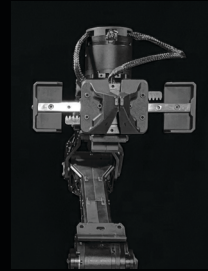
270°

← 146mm → | ← 94mm → | ← 245mm → | ← 284mm → |

Phone: 1-866-478-3731

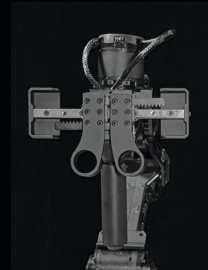
Email: [sales@trossenrobotics.com](mailto:sales@trossenrobotics.com)

# CONFIGURATIONS



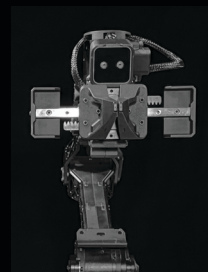
## BASE

Precision Grip End-Effector with Custom Molded Silicone Grip Pads



## LEADER

Ambidextrous Hand Grip with Sliding Rail Finger Pinchers



## FOLLOWER

Precision Grip End-Effector with Custom Molded Silicone Grip Pads

Intel® RealSense™ D405 RGB Depth Camera with Arm Mounts