

# PincherX 100

COMPATIBLE WITH

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## CUSTOM 3D PRINTED END-EFFECTORS

The X-Series gripper carriages are designed for users to quickly and easily change the gripper fingers for different projects. CAD files for the gripper are available for download, if you can design it and 3D print the customization is endless. Included with the arm are sticker backed foam to increase gripping strength while relieving stress on the gripper servo.

## Easily Repairable

The X-Series arms are made for the lab, our arms are intended to be worked on and we've made it as easy as possible to keep your manipulator up and running. Quickly and easily swap out motors that need to be replaced, lengthen or shorten the arm to your needs. Everything you need to repair your platform is kept in stock, making it easy to keep your equipment up and running with minimal downtime.

## POWERED BY INTERBOTIX

Interbotix is Python-based API framework for easily interfacing with ROS(2) through lightweight and intuitive modules, and a promise you'll be up and running in less than an hour. We provide you with the resources and documentation you need to get up and running quickly and stay out of the ROS plumbing.



[Learn More About Interbotix](#)

## WIDOWX FEATURES

**4**

Degrees of Freedom (DoF)

**50g**

Payload Capacity

**300mm**

Arm Reach

**600mm**

Arm Span

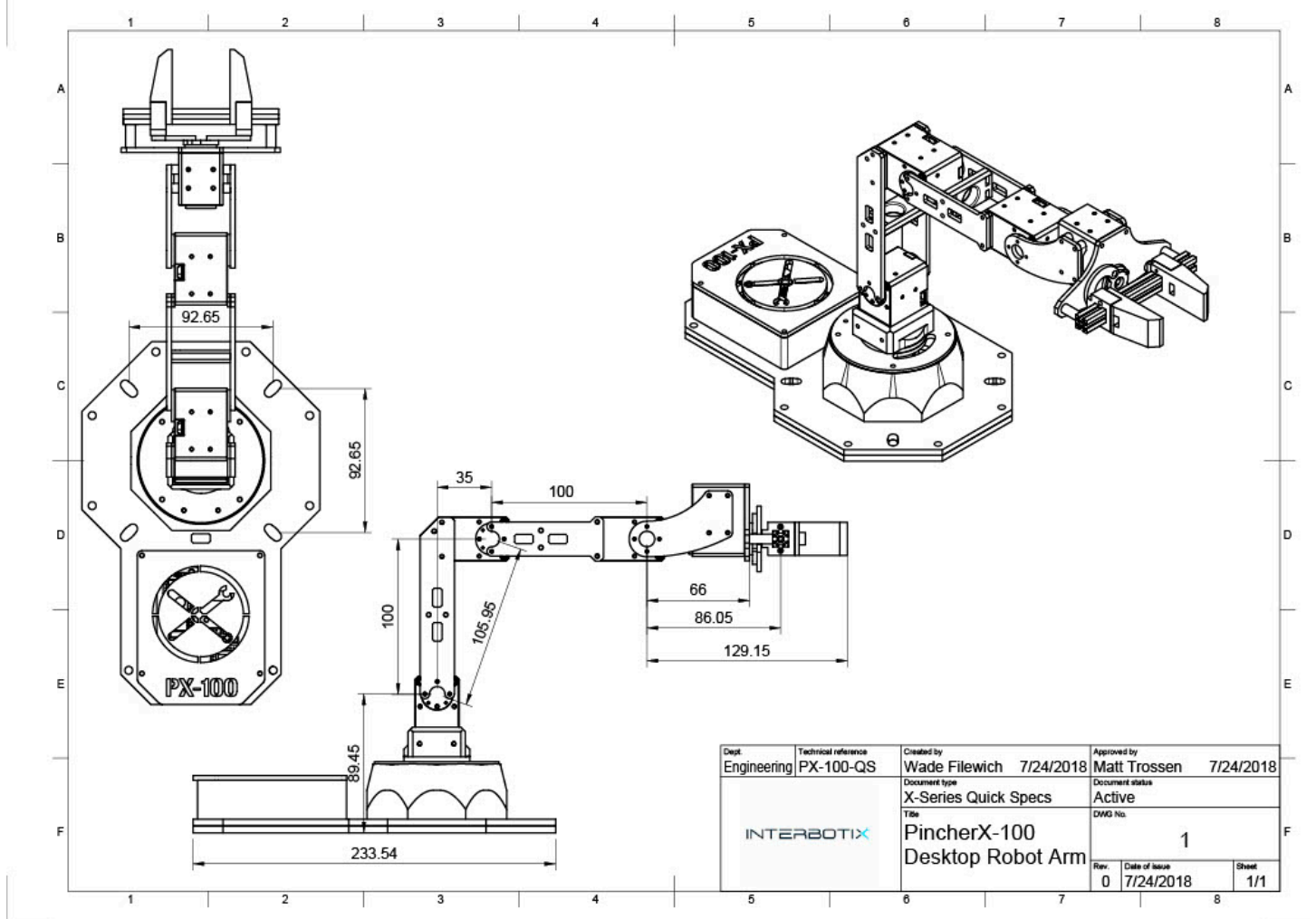
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## SPECIFICATIONS

<b>Degrees of Freedom</b>	4 Degrees
<b>Reach</b>	300mm
<b>Span</b>	600mm
<b>Repeatability</b>	5mm
<b>Accuracy</b>	5-8mm
<b>Working Payload</b>	50g
<b>Interbotix</b>	✓
<b>Works with ROS 1/2</b>	✓
<b>Works with MoveIt</b>	✓
<b>Works with Gazebo</b>	✓
<b>Works with Python-ROS</b>	✓
<b>Servos</b>	5X XL430-W250-T
<b>Communication Hub</b>	DYNAMIXEL U2D2
<b>Power Supply</b>	12 Volt - 2 Amp
<b>Parallel Gripper Kit</b>	✓
<b>Tools and Bolts</b>	All Included
<b>Wrist Rotate</b>	Yes
<b>Weight</b>	0.77kg / 1.7lbs

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## TECHNICAL DRAWING



Dept. Engineering	Technical reference PX-100-QS	Created by Wade Filewich 7/24/2018	Approved by Matt Trossen 7/24/2018
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