

orocaPangyo Open-Source Robot Arm Candidates

http://bit.ly/2XHChvm

목표

자작 로봇팔을 만든다 로봇팔 제어 및 응용기술을 확보한다 Q. 자작 자체에 의미를 둘것인지? 로봇팔 제어 및 응용에 집중할 것인지?

Project 이름 - oParm



1. 일정

| <u>Aa</u> Name | ≡ Person | ≡ Schedule | :≡ 1 |
|----------------|-----------------|---------------------------|------|
| 모델선정 | | 7월 15, 2019 → 7월 19, 2019 | |
| 기능정의 | | 7월 19, 2019 → 7월 19, 2019 | |
| 부품준비 | | 7월 22, 2019 → 8월 02, 2019 | |
| 제작 | | 8월 05, 2019 → 8월 09, 2019 | |
| HW 구현 | | 8월 12, 2019 → 8월 23, 2019 | |
| SW 구현 | | 8월 12, 2019 → 8월 23, 2019 | |
| ROS 연동 | | | |
| Camera? | | | |
| Training? | | | |

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2. 모델 선정

Robot Arm Candidates 目 Table View ∨

| <u>Aa</u> Name | ■ Info | ≔ Tags |
|------------------------|--|-------------------------------|
| Niryo One | Full Kit: \$1463 Raspberry Pi + Stepper(SAMD based Arduino | 6DOF 300g Payload ROS support |
| Thor | Arduino Mega with Gcode firmware | 6DOF 750g Payload |
| RBX1 Remix | \$829 Raspberry Pi + SlushEngine Model D | 6DOF |
| 3D Printable Robot Arm | | 6DOF 2Kg Payload |
| Zortrax Robotic Arm | Arduino Mega with Gcode firmware | 100g Payload |
| BCN3D Meveo | | 4DOF |
| <u>₩E-R2.4</u> | | 6DOF |
| DpenMANIPULATOR-X | | ROS support |

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Boston Dynamics SpotMini: Head or Hand?

| Marc Raibert shows off a close-to-production Spot Mini | | |
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Niryo One

https://niryo.com/



Thor - 6DOF, 750g payload

https://hackaday.io/project/12989-thor



Roboteurs RBX1 Remix - 6DOF

https://roboteurs.com/products/rbx1-remix-3d-printed-6-axis-robot-arm-kit



3D Printable Robot Arm - 6DOF, 2Kg payload

https://hackaday.io/project/3800-3d-printable-robot-arm



Zortrax Robotic Arm - 100g payload

http://library.zortrax.com/project/zortrax-robotic-arm/



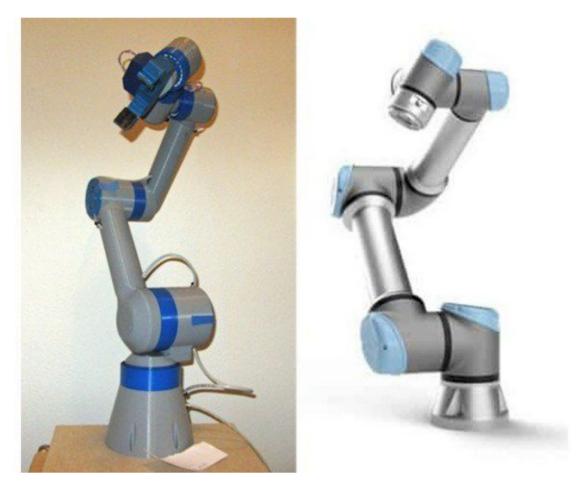
BCN3D Moveo - 4DOF

https://www.bcn3dtechnologies.com/en/bcn3d-moveo-the-future-of-learning/

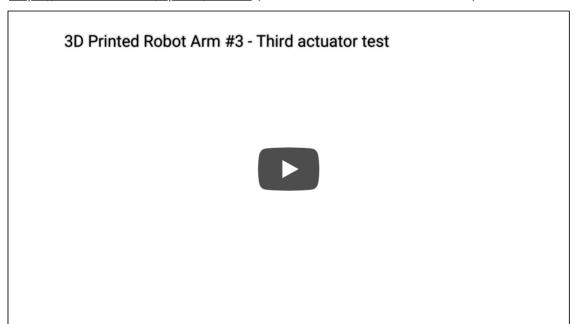


WE-R2.4 Six-Axis Robot Arm

https://www.thingiverse.com/thing:3327968



https://cafe.naver.com/openrt/20664 (오로카에서 만들고 계신 티리스미나님)



OpenMANIPULATOR-X

http://emanual.robotis.com/docs/en/platform/openmanipulator_x/overview/

