



# NIRYO

HUMAN - MOTION - ROBOT

## TECHNICAL SPECIFICATIONS

### NED

### 6-AXIS ROBOT ARM

<b>Payload</b>	300 gr max
<b>Reach</b>	440 mm
<b>Base joint range</b>	+/- 175 °
<b>Repeatability</b>	+/- 0,5 mm*
<b>Power Supply</b>	11.1 Volts / 6A
<b>Communication</b>	Ethernet 1 Gb/s WIFI 2,4GHz & 5GHz – 802.11 g/g/n/ac Bluetooth 5.0 BLE USB
<b>Interface/Programming</b>	Windows/MacOS/Linux (desktop application) & APIs
<b>Power consumption</b>	~ 60 W
<b>Materials</b>	Aluminium, PLA (3D printed)
<b>Ports</b>	1 Ethernet + 2 USB 3.0 + 2 USB 2.
<b>Hardware</b>	Raspberry Pi 4 + 3 x NiryoSteppers + 2 x Dynamixel XL – 430 + 1 x Dynamixel XL – 320
<b>Collision detection sensor</b>	Magnetic sensor (motor)

\*Ned is a robot primarily made for educational purposes, and testing of small assembly lines. We do not guarantee any precision and robustness over time for your application.

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