NIRYO
HUMAN - MOTION - ROBOT

TECHNICAL SPECIFICATIONS

## NED
6-AXIS ROBOT ARM

Payload	300 gr max
Reach	440 mm
Precision	0,5 mm*
Repeatability	0,5 mm*
Base joint range	+/- 175 °
Power Supply	11.1 Volts / 6A
Communication	Ethernet 1 Gb/s WIFI 2,4GHz & 5GHz – 802.11 b/g/n/ac - (~31 dBm, <80dBm) Bluetooth 5.0 BLE USB
Interface/Programming	Windows/MacOS/Linux (desktop application) & APIs
Power consumption	~ 60 W
Materials	Aluminium, PLA (3D printed)
Ports	1 Ethernet Gigabit + 2 USB 3.0 + 2 USB 2.0
Hardware	Raspberry Pi 4 + 3 x NiryoSteppers + 2 x Dynamixel XL – 430 + 1 x Dynamixel XL – 320
Collision detection sensor	Magnetic sensor (motor)

INCLUDED GRIPPER

Weight	109 g
Power Supply	7.6 V
Max operating width	23.82 mm
Picking distance from end effector base	85 mm
Motor	XL-320 Servo Motor
Operating temperature	5-45°C

Customizable jaws

Improved mecanism

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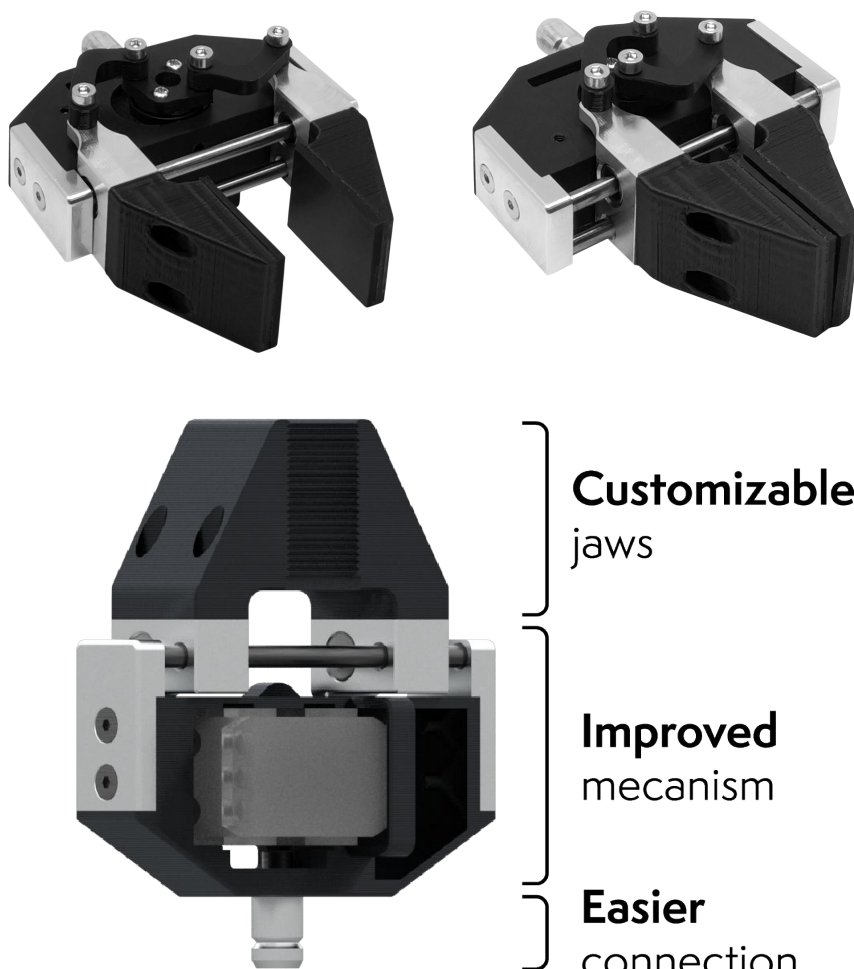
*Ned is a robot primarily made for educational purposes, and testing of small assembly lines. We do not guarantee any precision and robustness over time for your application.

contact@niryo.com
www.niryo.com