

A COMPLETE ECOSYSTEM

EXPERIMENT

Thanks to the Vision Set:

- Set your own workspace thanks to the landmarks and the calibration tip
- Develop your skills in **Artificial Intelligence, Image Processing and Machine Learning**
- Improve the **prototyping of your production lines**
- **Optimize your Industry 4.0 oriented processes**

LEARN

Ned2, the **open-source collaborative robot** for the **learning** and the **reproduction of advanced Industry 4.0 oriented processes**:

- Six-axis cobot
- Aluminum structure
- Stepper equipped with the **Silent Stepper technology**
- Based on **Ubuntu 18.04**
- **ROS Melodic**
- **Raspberry PI 4**



ARM V8
1.5 GHz



4Gb RAM
LPDDR4



USB 3.0
up to 5 Gb/s



Wi-Fi 5
802.11 g/g/n/ac

Easier to use than ever thanks to its **improved Human-Machine Interface**:

- LED Ring
- Speakers
- Control panel

OUR ACCESSORIES

ADAPTIVE GRIPPER

Ideal to grasp non-standard objects.



LARGE GRIPPER

Ideal to grasp large objects or smaller ones, at a bigger distance.



VACUUM PUMP

Allows to grasp objects with a plain and non-porous surface



ELECTRO-MAGNET

Allows to easily catch one or several metallic pieces such as screws.

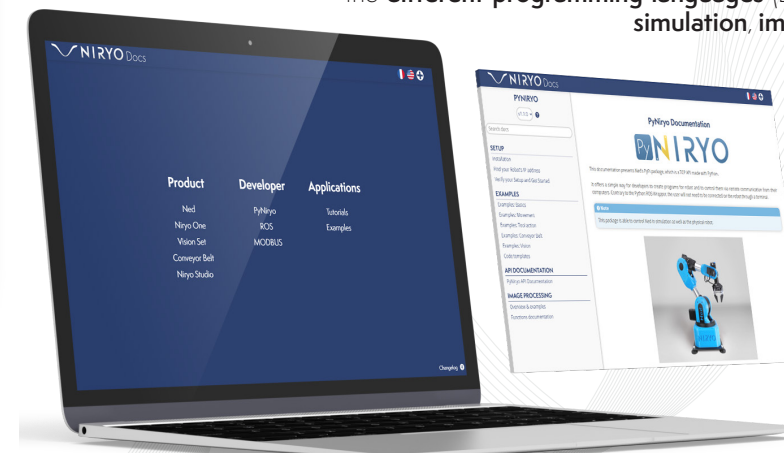


ONLINE DOCUMENTATION

Get a **free access to documented resources** on our website docs.niryo.com in order to apprehend, in the best way, your robot and its use.

- **Complete documentation**
- **Tutorials**
- **Applications examples...**

This provides you therefore with complete resources to allow you to deepen your learning of **robotics**, the **different programming languages** (Blockly, Python, ROS, C++), **simulation, image processing, and much more.**



Teacher?

Offer your students the opportunity to **learn at their own pace**, by **exploring the different options at their disposal.**

PROTOTYPE

Prototype production lines inspired by the Industry 4.0 thanks to our **Bundle Conveyor Belt (v2)**, composed of:

- A Conveyor Belt
- 6 pawns of different shapes and colors
- A slope
- A end-stopper
- An Infrared sensor

Its **metallic structure has been rethought** in order to allow the users to **focus on their learning.**



LANGUAGES & PROTOCOLS



OS designed for **robotics**, it allows you to use **standardized functions**, with different languages such as **Python** and **C++**.



Multi-platforms, **powerful** and **versatile** programming language.



Allows to analyze the difference between **actual** and **theoretical trajectory curves**.



Communication protocol that is essential in many **industrial** settings.

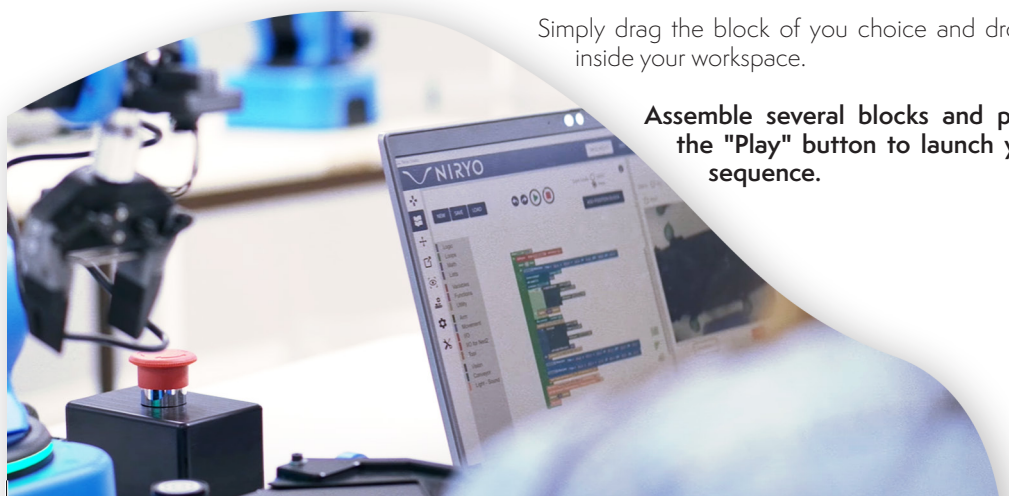
EASY PROGRAMMING WITH NIRYO STUDIO

With **Niryo Studio**, our **free desktop software**, discover programming through **Blockly**, a Google library allowing to **control your robot in a visual and intuitive way**.

No programming knowledge required!

Simply drag the block of your choice and drop it inside your workspace.

Assemble several blocks and press the **"Play"** button to launch your sequence.

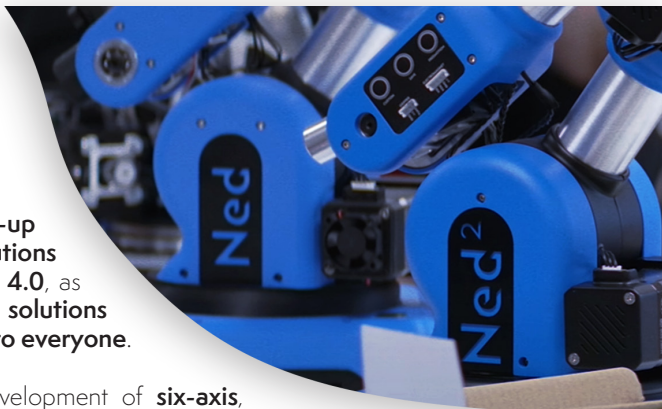


WHO ARE WE?

Founded in 2016, Niryo is a **French start-up** specialized in the making of **cobotics solutions** for **Education, Research** and **Industry 4.0**, as well as in the development of **software solutions** designed to **make robotics accessible to everyone**.

Niryo is now a key player of the development of **six-axis, collaborative** and **open-source robot arm**, with **2500 robots sold** in more than **50 countries** around the world. The start-up also now employs **more than 30 employees**.

In order to allow its users to **discover the industry of tomorrow** and implement, on a small scale, **their own production lines Industry 4.0 oriented**, Niryo also provides a **Conveyor Belt** as well as a **Vision Set** that allows the use of advanced functions such as **Artificial Intelligence, Image Processing** and **Machine Learning**.



CONTACT US

HEADQUARTERS & PRODUCTION SITE



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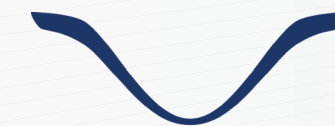


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NIRYO
HUMAN - MOTION - ROBOT

Ned²

SIX-AXIS OPEN-SOURCE COBOT



EDUCATION · RESEARCH · INDUSTRY 4.0