

EYE+ the new Intelligent Control System that manages the Asycube, hopper, vision and robot

This system allows the control of all components required for a modern and flexible assembly line. With EYE+ Asycube users will be able to easily optimise the performance of their system without in-depth knowledge of machine vision and at a highly competitive cost. EYE+ also enables vision configuration and hand-eye calibration. This control system is easy to integrate and simple to use.

Press release

VILLAZ-ST-PIERRE, Switzerland, January 2021: Asyri SA, the Swiss manufacturer of innovative 3-axis vibratory part flexible feeding systems, is pleased to present its **new Smart Control System EYE+**.

EYE+ is the intelligence between Asycube and robot, it controls the hopper, Asycube, camera and the robot from a web based interface the EYE+ Studio. From this interface, it also makes it easy to configure the vision, perform hand-eye calibration, change recipes and program new parts.

Consists of a compact controller, a high-resolution camera and a calibration plate, this plug and play system optimises the performance of your Asycube with integrated Artificial Intelligence based vision. This easy-to-use system is easy to integrate with any size Asycube and any industrial robot and requires no knowledge of industrial vision.

This new product can be ordered from our distributors and can be delivered worldwide. List of Asyri distributors available on the website: <https://www.asyril.com/en/partners/distributors.html>. The first units were shipped in January 2021.



How it works?

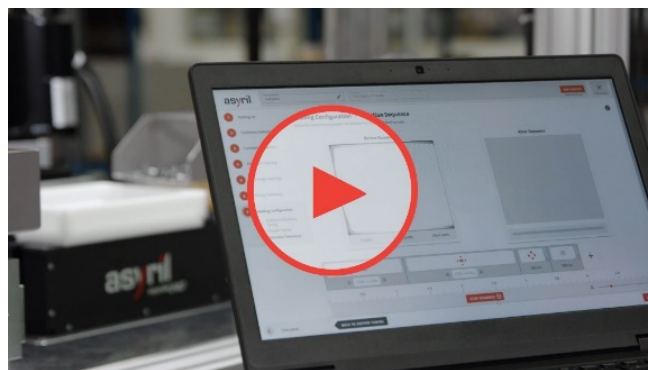
As a reminder, flexible feeding helps manufacturers cope with the assembly, inspection, machining or kitting of products that are becoming more and more varied. A typical flexible feeding system contains a hopper, a flexible feeder, a control system (camera) and a robot. The camera takes images of the feeding platform, which in our case enables the intelligent control system EYE+ to communicate the coordinates of pickable parts to the robot. In addition, EYE+ not only manages the vision but also the quantity of parts to be supplied, the feed rate, the hopper management and the platform operation.

Using the configuration wizard, EYE+ Studio set up in 3 easy steps:

- Vision configuration
- Create a new recipe
- Hand-eye calibration

During production, EYE+ controls all the different components of the application (Asycube, hopper, vision and robot).

1. Switch on the hopper to feed the Asycube
2. Manage the right vibrations of Asycube
3. Detect correctly oriented parts
4. Pick parts from platform by robot.



EYE+ Studio

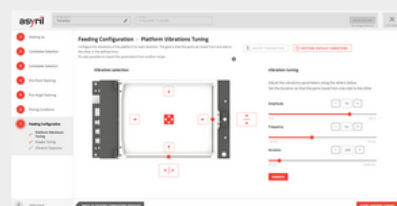
Candidates Selection > Candidates Classification

Simply swipe left or right, good and bad parts.



Feeding Configuration > Platform vibrations Tuning

Complete control of your Asycube from EYE+ Studio.



Feeding Configuration > Vibration Sequence

Easily define the optimal sequence to spread parts.



Advantages of EYE+

- **Easy to use:** Quick installation and low installation costs.
- **Intuitive recipe creation and configuration:** User friendly interface, with step-by-step instructions and explanations, makes the software easy to follow. Have a complete new system with calibrated robot and vision setup within minutes. New recipes can be learnt in a fraction of the time compared to conventional models.
- **Plug and play:** Designed to easily integrate with any size of Asycube and any industrial robot for hassle free set-up. Simple direct connection and pre defined vision parameters with help tips and graphics mean installation, mounting and setup can be quickly performed without any prior experience.
- **All included:** Simply accessible via a web browser, no software download or additional licensing required. No 3rd party software or hardware required for a complete system.
- **Attractive:** Highly competitive system costs compared to traditional solutions.
- **Compatible with any PLC & industrial robot brand:** Command prompts are sent through TCP/IP so EYE+ is compatible with any robot brand giving pick point location for any part.

Appendices

Download the appendices listed from the link below:

<https://fileexchange.asyril.com/d/4f32fb6ce4d64ee282b9/>

- Press release in English, French and German
- Video presentation of EYE+
- Images of EYE+
- EYE+ logo

About Asyрил

Asyрил SA, with its head office in Villaz-St-Pierre, Switzerland, is the technological leader in the field of flexible feeding of components. With its patented 3-axis vibration technology, Asyрил SA offers clients around the globe a powerful solution for the handling of bulk pieces from <0.1mm to 150mm. Asyрил's innovative systems enables its clients to realize highly flexible automation systems that allow for a rapid market launch of new product variants with minimal investment. The Asycube range is the ideal feeding system for machines that need to meet industry 4.0 standards.

For more information: www.asyril.com

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