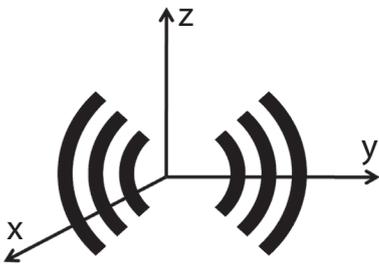
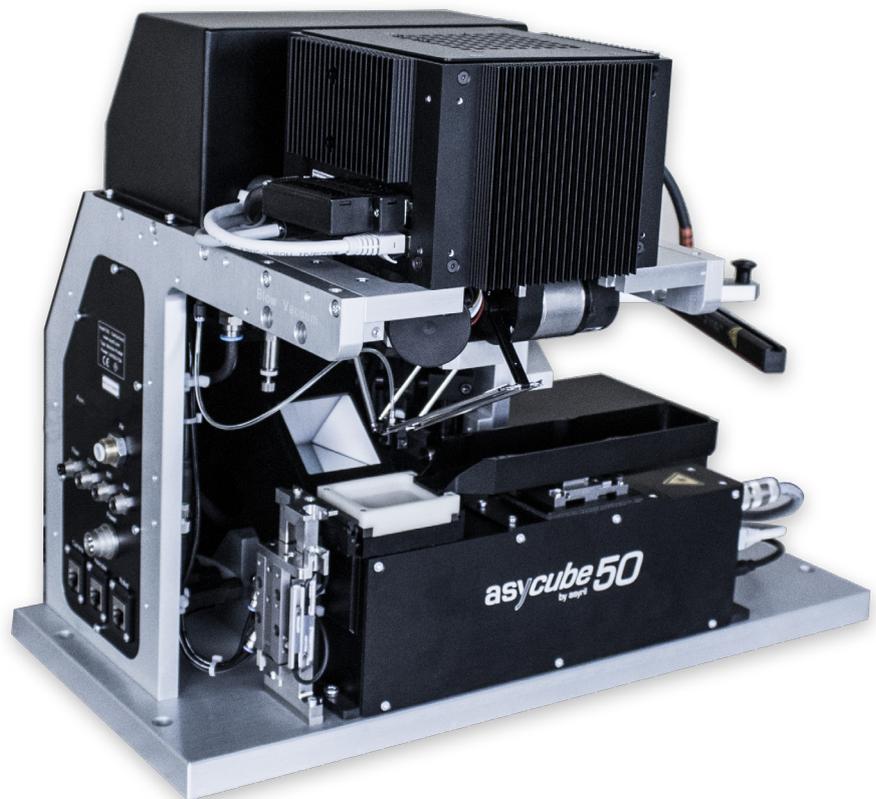
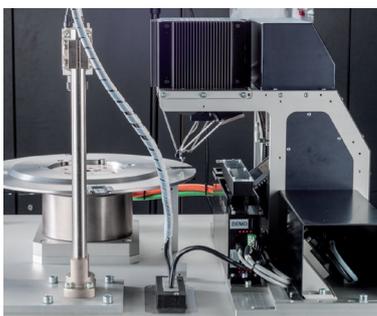


# Asyfeed Pocket Module

Integrated Flexible Feeding Module for Parts up to 5 mm



**3-Axis Vibration Technology**  
Innovation by **asyril**



## Module Advantages

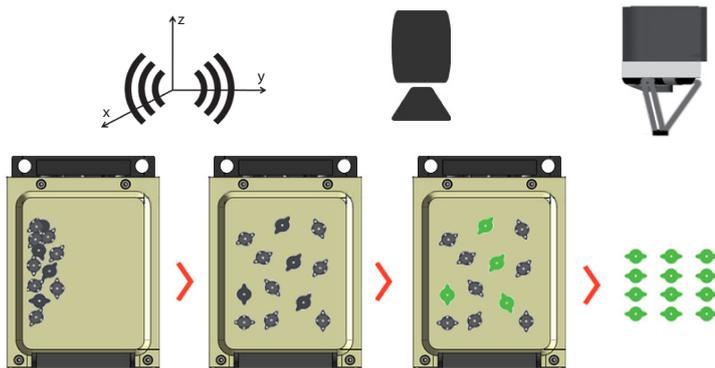
- ▶ System includes "Asycube 50" feeding system, visual part detection system and precision robot manipulator
- ▶ Turnkey solution for system integrators and OEM's
- ▶ **Compatible with all part geometries** : 99% of parts can be fed on our feeders - including complex geometries and delicate materials
- ▶ **Extremely gentle part handling due to Asyri's innovative 3-axis vibration technology** : parts can be moved in all directions, including the optimal choice of flipping amplitude for each part. Minimal abrasion as parts do not need to be recirculated. Platform purge possible
- ▶ **Fast and easy part changeover** : as easy as loading another program

# Asyfeed Pocket Module

## Integrated Flexible Feeding Module for Parts up to 5 mm

### How it works

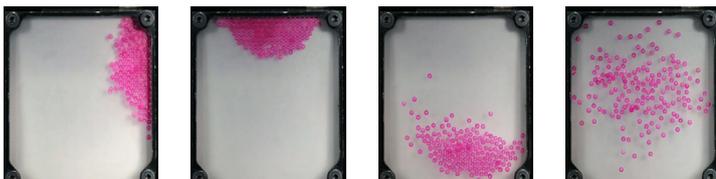
1. Homogeneous parts separation and orientation using Asyri's innovative 3-Axis Vibration Technology
2. Detection of correctly oriented parts by Asyri's vision system (SmartSight)
3. Part pick from platform and assembly by Asyri Delta robot (PocketDelta)



- ▶ The flexible feeding module includes an industrial control PC and is delivered fully assembled. Asyri's integrated flexible feeding module represents a turn-key solution for the reliable, fast and precise feeding of bulk parts. The Feeding system can handle parts smaller than 0.1 mm and up to 5 mm in size and has proven its reliability and efficiency in various applications such as watchmaking, medical products and electronics.

### Asyri's innovative 3-Axis Vibration Technology

- ▶ Asyri's unique and patented 3-axis vibration technology allows moving parts freely on a platform in different directions.



- ▶ By selecting the right parameters such as amplitude, frequency of vibration, phase shift and signal form, the feeder can be tuned very precisely for an optimal motion of each part.
- ▶ **ADVANTAGES**
  - ▶ Extremely gentle part handling
  - ▶ Perfect control motion of parts
  - ▶ Minimal abrasion of parts
  - ▶ Reduced cycle time

### About Asyri

- ▶ Asyri develops, produces and markets high performance flexible feeding systems for parts and components from <0.1 up to 150 mm in size. Our innovative 3-axis vibration technology can handle bulk parts of any geometry and allows for extremely gentle part feeding.
- ▶ Asyri's key competences and extensive know-how encompass all three sub-domains of modern part feeding systems: vibration technology, industrial vision and precision robotics. This unique focus combined with our many years of experience enable us to deliver superior, innovative flexible feeding systems for today's and tomorrow automation challenges.

### Specifications

#### FEATURES

Component position and orientation recognition (x, y, pitch/toss)
Fast loading of work orders
Semi-automatic tool changer
Parameters configurable for every component

#### TECHNICAL DATA

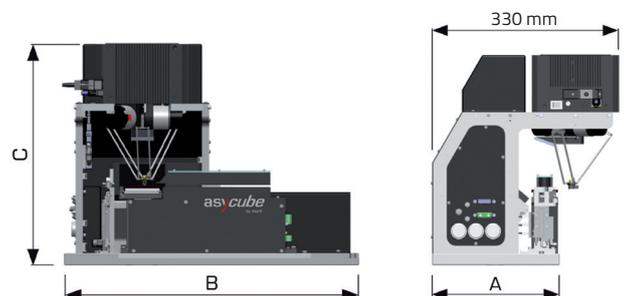
Cycle time	Between 0.5 and 2 seconds
Robot repeatability	± 3.0 µm (3 σ)

#### INTERFACE

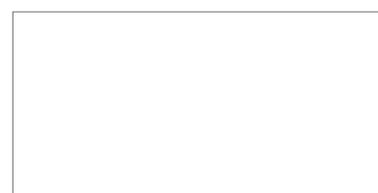
Ethernet (TCP/IP)	
Contact PC with DVI connection for your screen / display	
2 IN/1 OUT available	Up to 8 I/O
Power-supply	24 VDC, 12 A
Air pressure	6 bar
Options	Touch screen 24", deionizer for small parts, different lighting colors, calibration plates for vision and robot, custom vibrating plates and robot grippers according to customer parts

#### DIMENSIONS

Description	Reference	Dimensions	
		[mm]	[-inches]
Workspace		150 x 30	~5.9 x 1.18
Typical part size		0.1 - 5	~0.02 - 0.2
Footprint	A	223	~8.8
	B	490	~19.3
Height	C	385	~15.2



### Contact



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