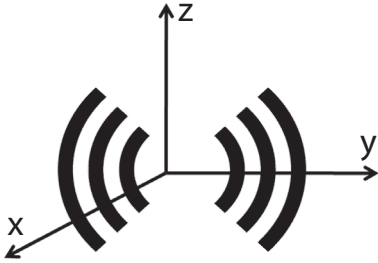
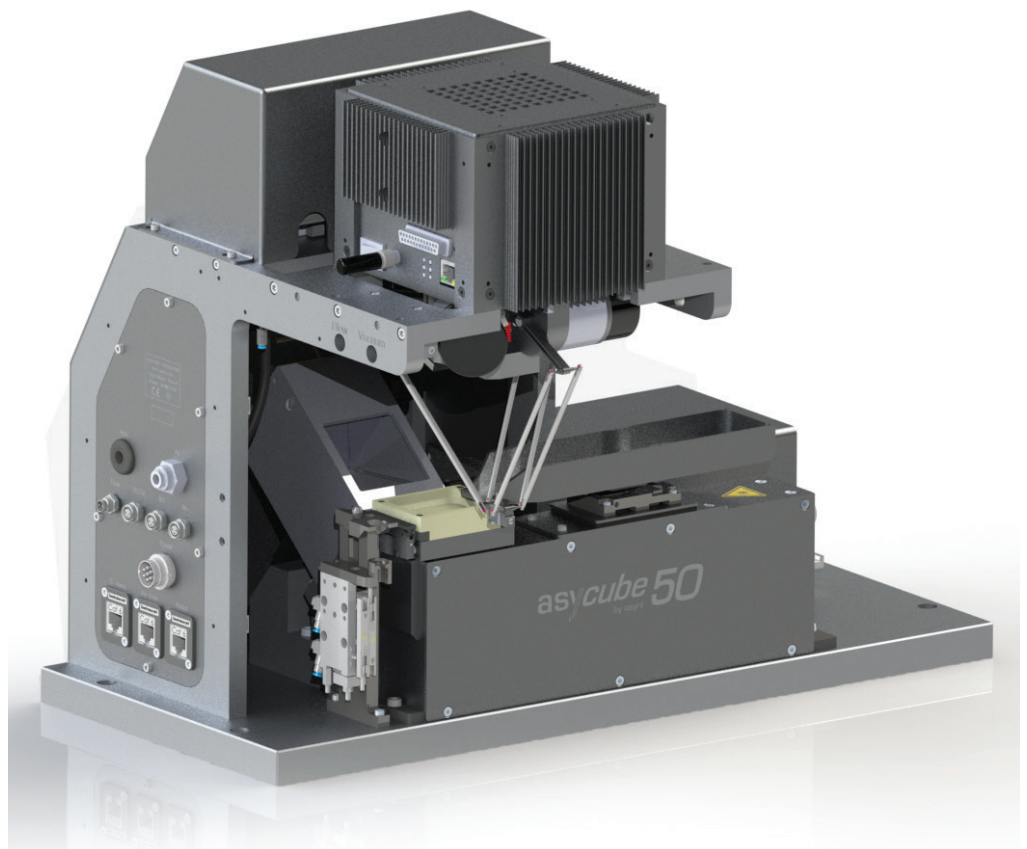
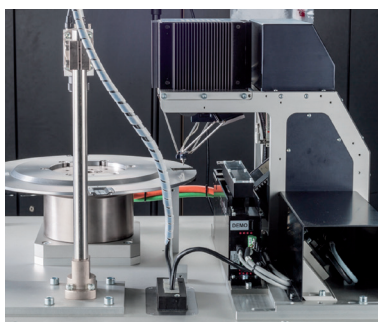
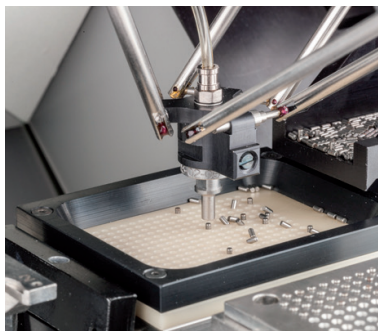


Asyfeed Pocket Module

Integrated Flexible Feeding Module for parts up to 5 mm



3-Axis Vibration Technology
Innovation by asy^{ri}l



Module Advantages

- ▶ **System includes feeder, vision system and 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 parts changeovers** : as easy as loading another program

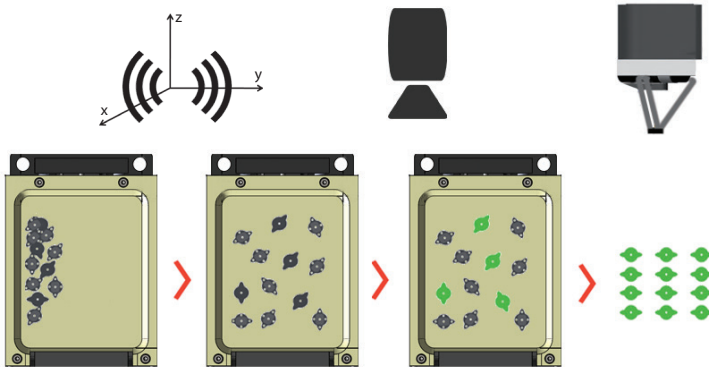


Asyfeed Pocket Module

Integrated Flexible Feeding Module for parts up to 5 mm

How it works

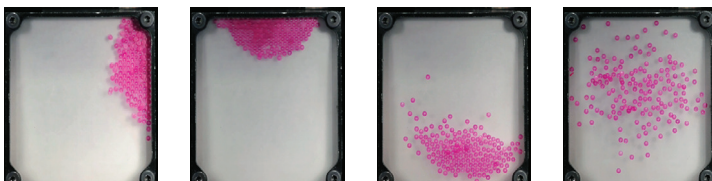
1. Homogeneous parts separation and orientation using Asyri's innovative 3-Axis Vibration Technology
2. Detection of correctly oriented parts by Asyri vision system (SmartSight)
3. Part pick from platform and assembly by Asyri Delta robot (PocketDelta)



- 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

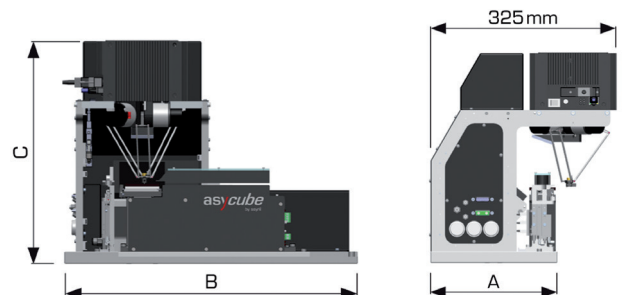
Component position and orientation recognition (x, y, pitch/toss)
Fast loading of work orders
Automatic tool extractor
Parameters configurable for every component

TECHNICAL DATA

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

DIMENSIONS

Description	Reference	Dimensions	
		[mm]	[~inches]
Workspace		150 x 27	~5.9 x 1.2
Typical part size		0.1 - 5	~0.02 - 0.2
Footprint	A	225	~8.9
	B	490	~19.3
Height	C	375	~14.8



INTERFACE

Ethernet (TCP/IP)	
USB	
DVI	
2 IN/1 OUT available	Up to 8 I/O
Power-supply	24 V, 10 A
Air pressure	6 bar

Contact

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