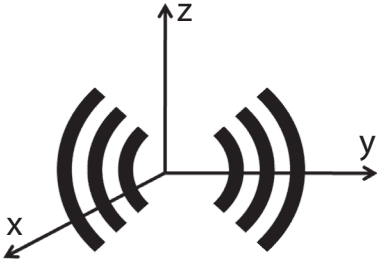
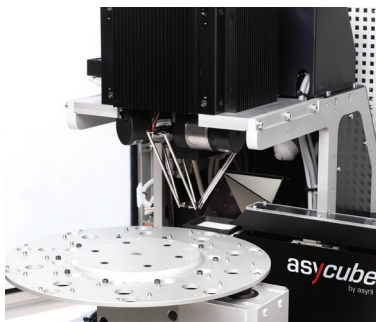
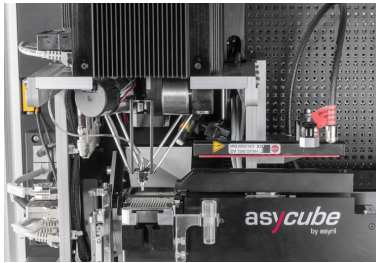


# Asyfeed Pocket Cell

## Integrated Flexible Feeding Workstation



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



### Cell Advantages

- ▶ **Compact palletizing tabletop-system** for the fast and precise sorting, palletizing and assembly of small parts from <math><0.1\text{ mm}</math> up to 5 mm
- ▶ **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 Asyril'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
- ▶ **Parameters configurable for every component**



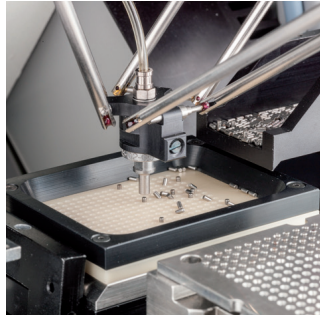
# Asyfeed Pocket Cell

## Integrated Flexible Feeding Workstation

### Product Description

- ▶ The Asyfeed Pocket Cell is a tabletop flexible feeding and palletizing workstation which can handle tedious and low value-added tasks such as palletizing, sorting and assembly of small components.

- ▶ The workstation incorporates a complete Asyfeed Pocket Module as well as fully configurable process working space that can be equipped with various client-specific elements. Typical cell configurations contain for example different part trays, pallets or tubes, a rotary indexing table or a second camera for quality control/inspection of the parts.

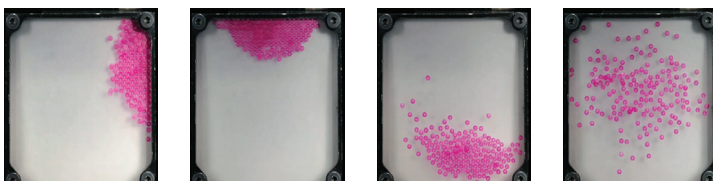


Asyril's intuitive feeder control software allows for fast setup and changeover times, multi-user capability, as well as GUI-based programming and configuration of the system for new parts.

- ▶ The Asyfeed Pocket workstation responds to highest flexibility requirements and is the perfect example of a modern micro-factory.

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

- ▶ Asyril'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 Asyril

- ▶ Asyril 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.
- ▶ Asyril'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

#### TECHNICAL DATA

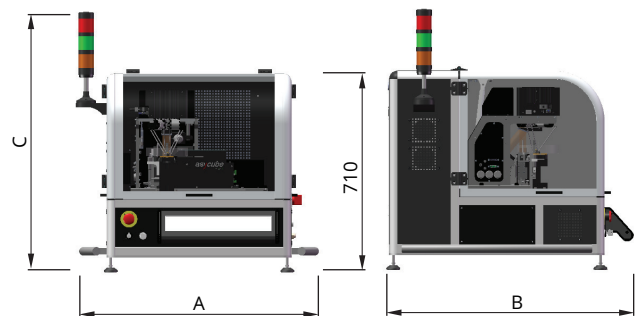
Cycle time	Between 0.5 and 2 seconds
Robot repeatability	$\pm 3.0 \mu\text{m}$ (3 $\sigma$ )

#### FEATURES

Component position and orientation recognition (x, y, pitch/toss)
Fast loading of work orders
Parameters configurable for every component
Access via secured doors
Tinted windows to protect from parasite light
Robot with 3 degrees of freedom

#### DIMENSIONS

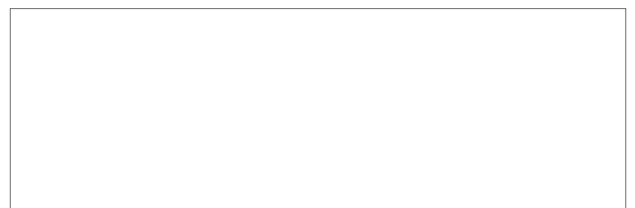
Description	Reference	Dimensions	
		[mm]	[-inches]
Typical part size		0.1 - 5	~0.02 - 0.2
Footprint	A	860	~34
	B	890	~35
Height	C	930	~37



#### INTERFACE

User-friendly interface on touch screen	
Emergency button and machine status column	
USB, DVI and Ethernet (TCP/IP) connector	
Power-supply	24 V, 10 A
Air pressure	6 bar

### Contact



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