

PYK+ smart bin-picking system

PYK+ is an intelligent bin-picking system designed for any production environment. It combines AI-based vision, an integrated vibration repositioning system, an intuitive web interface, and user-friendly commands to deliver reliable part picking. Built on Asyril's flexible feeding expertise and the simplicity of the EYE+ smart control system, PYK+ is available in two configurations, PYK+ Flow and PYK+ Lift.

Where feeding meets bin picking



Watch PYK+ in action

Built for production challenges

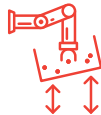
PYK+ is designed to address the challenges that most directly affect continuity, reliability, detection stability, and picking performance.



Stable detection across changing conditions

Full bin coverage. No dead zones. Reliable detection despite light and part appearance variations.

- 8 surrounding cameras
- Integrated lighting
- CAD based AI training



Improve part availability and simplify robot integration

Parts repositioned. More pickable parts. Simple robot trajectories.

- Integrated vibration repositioning system
- Embedded lifting floor for PYK+ Lift
- Improved part availability
- Unified get_part command



Keep production moving while freeing operators for higher-value tasks

Less manual handling. Better workforce allocation. Stable production.

- Automated part picking
- Automatic bin changeover with PYK+ flow
- Reduced manual handling

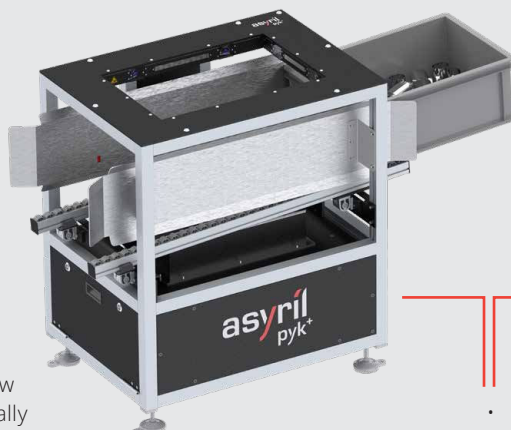
No parts left behind.
Two PYK+ variants for different bin-picking needs.

PYK+ LIFT

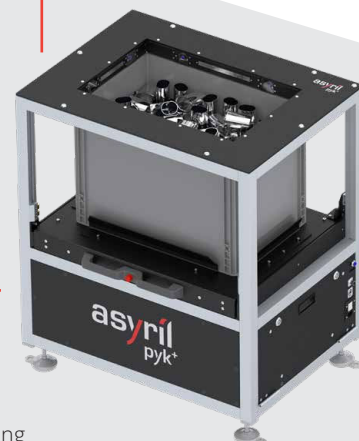
- Designed for deeper bins with manual drawer loading
- Extended autonomy for longer, uninterrupted operation
- Lifting floor ensures consistent robot access throughout the picking process

PYK+ FLOW

- Designed for shallow KLT bins automatically supplied via conveyor
- Enables continuous operation with a smooth bin flow

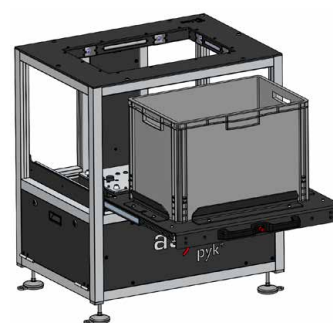
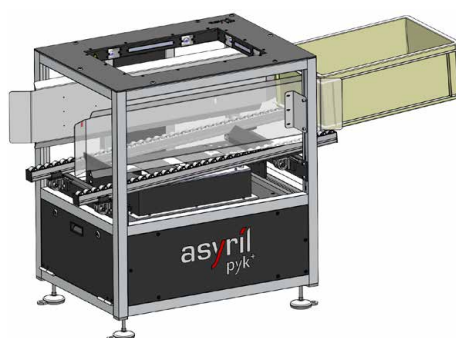


- 8 cameras
- Integrated lighting
- AI controller
- Vibration repositioning system
- TCP/IP communication with any robot



Choose
the right
setup for your
application.

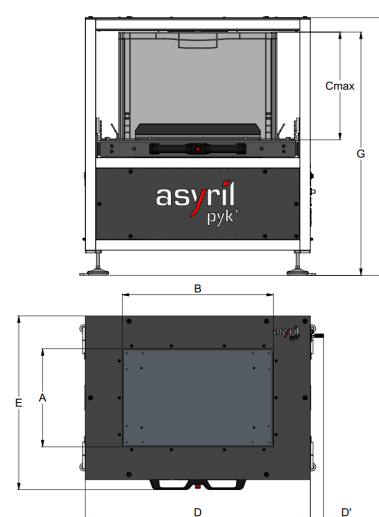
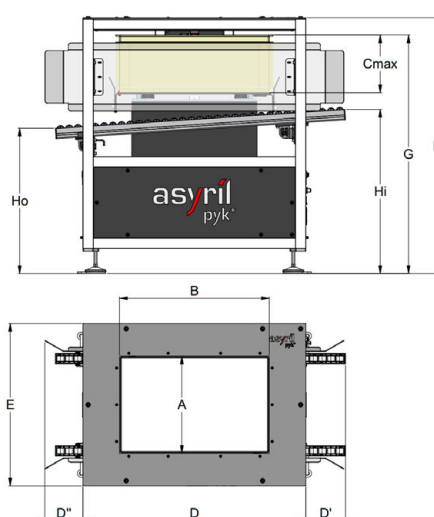
Two configurations. One experience.



PYK+ FLOW

PYK+ LIFT

General information		
Part sizes	50 - 300mm (~ 2 – 12")	
Power supply	100 - 240 V ± 10% (50 - 60 Hz) / 6.5 A @ 120 V / 3.5 A @ 230 V	
Air pressure	6 bar Ø 8 mm push-in (for vibration repositioning system)	
Software	PYK+ Studio (running in a web browser)	
Communication	Ethernet (TCP/IP socket messaging)	
Built-in features	8 cameras and lighting integrated in the frame ; AI-based vision controller ; vibration repositioning system	
Bin compatibility		
Bin type	Standard KLT bins	Asyrl custom bins with integrated rising floor
Outer dimensions L x W	600 x 400 mm	
Depth	From 120 mm to max. 220 mm	413 mm
Bin loading	Automatically via conveyor	Manually through drawer
Maximal admissible load	25 kg	
Dimensions		
Picking area (A x B)	371 x 571 mm / 14,6 x 22.5"	
Max. bin depth (Cmax)	220 mm / 8.7"	413 mm / 16.3"
Footprint (D x E)	850 x 620 mm / 33.5 x 24.4"	
Lateral footprint (D' - D'')	152 - 145 mm / 6 x 5.7"	50 - 0 mm / 2 – 0"
Max. height (F)	976 mm / 38.4"	
Max. pick height G	910 mm / 35.8"	921 mm / 36.2"
Conveyor height Input/Output (Hi - Ho)	625 - 555 mm / 24.6 x 21.8"	n.a.
Weight (bin and parts excl.)	115 kg	105 kg



Talk to our experts!

Any source. Any part. Delivered to any robot.