

A photograph of an industrial pneumatic conveying system. A vertical stainless steel tube is mounted on a blue frame, with a hopper at the top and a black collection bin at the bottom. Blue plastic balls are being conveyed through the tube and falling into the bin. In the background, there is a large white industrial machine with a black motor and a ladder.

# Conveying of Finished Plastic Components

**AUTOMATED PNEUMATIC CONVEYING  
FOR FINISHED PLASTIC COMPONENTS**

# CPU Pick-Up From Bins or Boxes

Automate the movement of finished plastic components from your warehouse to assembly line or packaging area.

Say goodbye to space-consuming, maintenance-heavy, and operator-requiring mechanical systems. A Kongsilde pneumatic conveying solution is efficient, easy to install and fits almost anywhere. Pneumatic systems make longer conveying distances possible and free up production space. In addition, the pneumatic technology is energy-efficient and customized to reduce energy costs.



## Example Kongsilde System Components

- **CPU** - Component Pick-Up Unit for bin emptying
- **CVL** - Component Vacuum Loaders for delivery and separation of components and air
- **OK Pipe system** - Consists of pipes, bends, and hoses
- **MultiAir blower** - Generates air flow into the system



## How it works

### Component Pick-up Unit (CPU)

Kongsilde's CPU system is specially developed to pick up small plastic components by air to be conveyed through a pipe/hose system.

The system gently picks up components in bulk from the warehouse and conveys them to your production or packaging area. The solution integrates the CPU with a blower and the CVL which delivers your components in batches.

The system can be configured with specifically developed stainless steel or polyurethane pipes, depending on your specific production issues. We can deliver pipe extension up to 100 meters and handle a wide range of plastic components.

We thoroughly test your components in our Technology Centre to guarantee conveying without damage to your components or clogging issues.

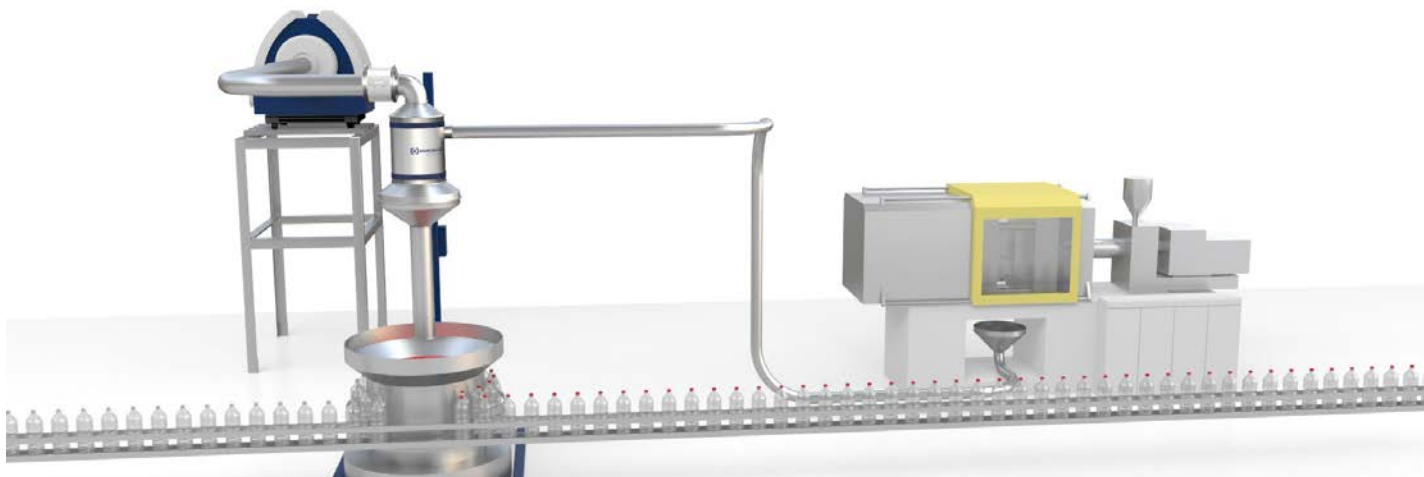
## Benefits

- Closed system improves safety for workers.
- Get full control of components fed into your production.
- Flexible and gentle conveying system suited for horizontal and vertical conveying.
- Replace manual labor tasks with an automated system.

## Example of Conveying Performance

Conveying distance:	30 m
Components:	Caps Ø25 x 20, 20 g each
Capacity:	20,000 pcs/hour

# CVL Batch Discharge



**The CVL makes conveying and batching of component parts fast and efficient.**

The Kongskilde Component Vacuum Loader (CVL) streamlines the transfer in batches of finished plastic components within plastic processing.

The Vacuum Loader is designed as an integral part of Kongskilde Industries' conveying systems for batch delivery at final assembly line of a wide variety of finished plastic components on a large scale, typically moulded parts such as caps, closures, and other high-precision moulded objects.

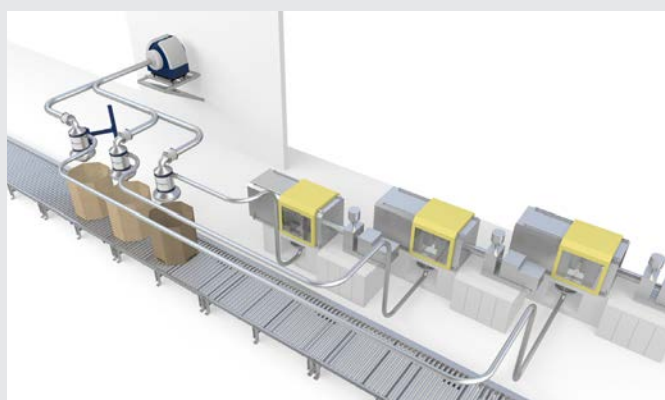
## How it works

### Component Vacuum Loader (CVL)

The CVL utilizes the frequency-controlled blower, the MultiAir® FC, coupled with a vacuum gate for material collection, separation, and discharge. Manufacturers can now move their finished products in specified batches to descramblers, gaylords, boxes, silos, etc. with a high degree of both speed and reliability.

### Benefits

- System is flexible and can be installed anywhere to save production floor space.
- Suited for longer conveying distances, for example from production machines to packaging area.
- The CPU is easily controlled from the HMI panel.



Your components are picked up from the moulding machine and delivered in containers



The Kongskilde systems can handle components from 10-50 mm in diameter. More than 250,000 units may be moved per hour.





Schedule a demo of your material at our testing facility located in Normal, Illinois

Test your production materials using the wide range of Kongskilde pneumatic conveying, dedusting, and separation systems available at our US location in Normal, Illinois.

See first-hand how the power of a Kongskilde solution can boost your productivity and transform your business. Contact us to learn more or schedule a product demo.

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