



The MultiAir®

**The Kongskilde Series of
High-Pressure Blowers**

A Proven Concept



The MultiAir® series of blowers is the heart and power source of the high performing pneumatic conveying systems installed by Kongskilde Industries worldwide.

These unique blowers are especially designed for the paper, packaging, and plastic industries. They are engineered with fantastic performance characteristics - while being energy efficient and making little noise for an improved working environment.

With an installed base of 5,000 units worldwide, the

MultiAir® is the preferred choice all over the world due to its many clever features, such as noise reduction, weatherproofness, and adjustable blower performance.

The blowers come in four series worldwide, with and without Frequency Converter, to cover the full range of pneumatic systems offered to the plastic, packaging, and paper industries:

- MultiAir® 1000
- MultiAir® FC 2000
- MultiAir® FCE 3000
- MultiAir® FC 4000



Kongskilde has made blowers since 1949. More than 70 years down the line, we continue to exploit the power of air.

When we develop new products, we collaborate closely with our customers to anticipate their future challenges.

In the case of the MultiAir® 4000, we added the power needed to convey materials at even higher capacities - as the speed of the production equipment in the paper and plastic industries continues to increase.

Steen Hansen

R&D Manager, Kongskilde Industries A/S



Benefits



The MultiAir® 4000 can move air with and without material through the blower

The MultiAir® 4000

The largest and latest addition to the blower family is the high-capacity MultiAir® 4000. This high-performance blower moves clean air with or without material through the blower. It is the perfect fit when trim has to be removed in large volumes at high speeds.

Maintenance

The stable MultiAir® blowers require a minimum of maintenance due to few moving parts.



The MultiAir® blowers are weatherproof and have low noise level

Advantages

A great advantage of the MultiAir® is the low noise level and the fact that the MultiAir® is weatherproof. This allows for a flexible positioning of the blower – either inside the production area or outside the facility depending on space availability.

Moreover, all electrical components are provided as standard by world-renowned global suppliers. This makes it fast and easy to replace parts if required.

Frequency Converter

Whenever energy consumption and precise performance is key, the MultiAir® FC and FCE series with built-in frequency converter are the right choice.

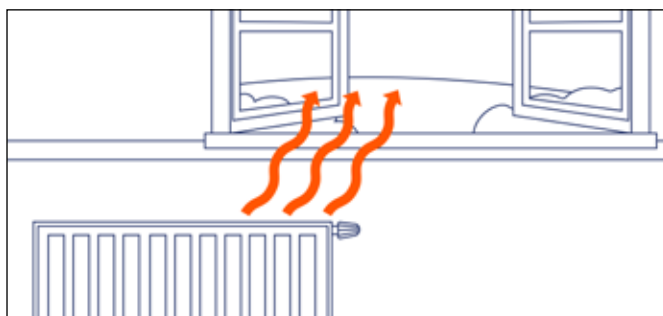
These blowers run at the precise performance required according to the production process on any given day and adapt to more lines in the central system – whereas a standard blower is configured to run at maximum capacity – including a top capacity buffer.

The acquisition price of a MultiAir® FC is higher – but the additional cost will quickly earn itself in cost savings due to the considerably lower energy consumption. This allows you to save money in the long run.

You might compare the MultiAir® to driving a car... A standard blower will push and keep the throttle at max while regulating speed by stepping on the brake. In contrast, the MultiAir® speed is regulated by stepping and releasing the gas pedal. The FC will preserve energy by reducing the speed of the blower, while the uncontrolled version will adjust the capacity by physically blocking the air flow.

Moreover, a frequency converter extends motor life. A motor without variable frequency can take up to as much as 7-8 times the current to start whereby heat is

generated. Over time, this will reduce its longevity and add pressure to the electrical installation. With a MultiAir® FC blower, acceleration and stopping is controlled, which will reduce mechanical wear and tear. Read more about the advantages of variable speed drives on www.kongsild-industries.com.



A blower without frequency converter is like letting the heat run with windows open.

Standard
Blower

100%
kW

MultiAir® FC

50%
kW

With the MultiAir® FC in a typical conveying application with more suction lines, the average consumption of energy will be half.

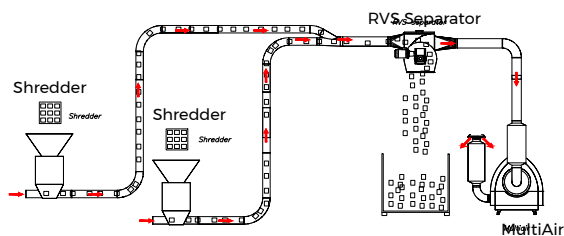
Applications



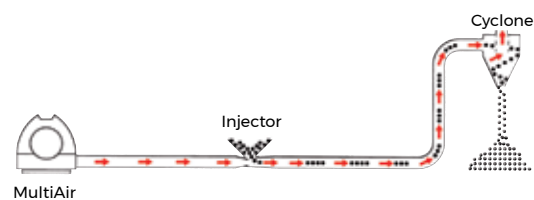
Whether your business deals in plastics, flexible packaging, paper, carton, or film production, we have an air conveying solution designed to optimise your production flow.

The Kongskilde MultiAir® is an excellent choice for conveying raw material, process waste, and finished goods - and with this range of blowers, we can deliver any size of project.

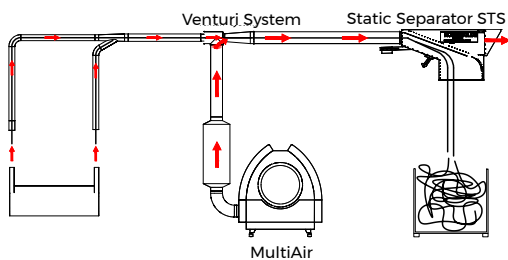
Conveying of Shredded Material



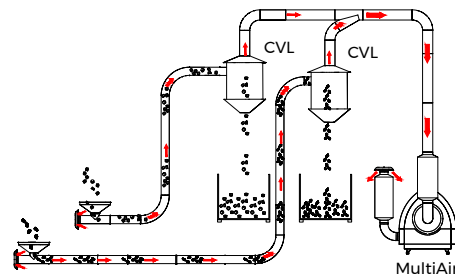
Conveying of Granulates



Conveying of Endless Film, Foil, or Paper Trim



Conveying of Injection-Moulded Parts



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