

REPLACEMENT / RETROFITTING / MULTICUTTER MC 5000

Retrofitting of MultiCutter into an Existing Conveying Line

A Belgian manufacturer producing extrusion-coated, multilayer products needed to replace an ageing cutter without altering their existing pneumatic conveying setup. The new unit had to match or exceed the previous capacity while fitting the current blower performance and pipe diameters requiring a precise, low-risk retrofit solution.

THE CHALLENGE

The customer needed a reliable cutter replacement that could slot directly into an older pneumatic conveying line.

With unknown blower specifications and fixed pipe diameters, the new unit had to operate without increasing backpressure or reducing capacity. A scalable solution was required that would protect uptime and avoid costly system changes.

Key issues:

- Existing blower and pipe diameters fixed
- No specification data on airflow performance
- Must maintain or increase previous capacity
- Retrofit required without halting production

THE FACTS

Material Specifications:

- Extrusion-coated waste
- Trim/off-cuts from disposable overalls
- Light non-woven fabric



An outdated cutter needed to be replaced without altering the existing pneumatic conveying setup.

THE SOLUTION

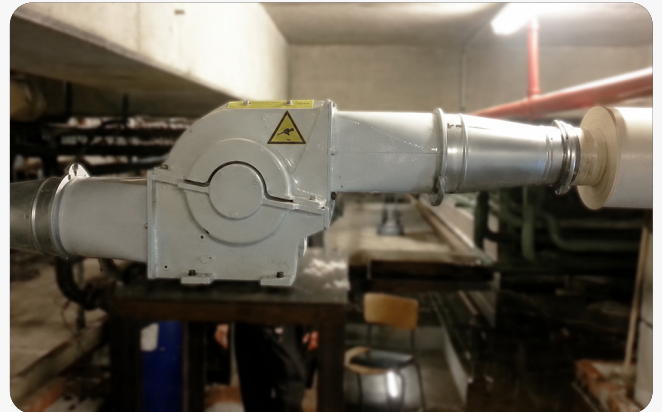
Because no data existed for the installed blower or pipework, Kongskilde performed controlled tests at the Technology Centre to identify the correct cutter size. Tests confirmed that while the MultiCutter MC 3000 could process the material, achieving the lowest possible backpressure required the MultiCutter MC 5000. The MC 5000 was retrofitted seamlessly into the existing line, paired with the current blower and piping.

Installation highlights:

- Retrofitted MultiCutter MC 5000
- Matched to existing blower capacity
- Integrated into existing piping
- Validated through Kongskilde Technology Centre testing

THE ADVANTAGES AND BENEFITS

- Improved system scalability with a cutter sized for optimal backpressure
- Reduced upgrade cost by retaining existing blower and piping
- Modular design enabled faster system integration
- Verified performance through testing at the Kongskilde Technology Centre to ensure system performance before final installation
- The flexibility of Kongskilde conveying solutions makes the system scalable and ready for future upgrades



The Kongskilde MultiCutter MC 5000 was retrofitted seamlessly into the existing conveying line.



Testing and validation at the Kongskilde Technology Centre in Sorø, Denmark ensured the optimal cutter solution for the existing conveying system.

Ready to improve your production?

Start the conversation today and discover how a pneumatic solution can improve your operations.

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