

A large industrial robotic arm, primarily white with blue accents, is mounted on a white metal platform with safety railings. The arm is positioned in a factory setting with overhead pipes and lighting. The background shows a complex industrial environment with various machinery and structural elements.

# Process material handling

**Our “modular” solutions allow  
for both the conveying and the  
separating of process material**

# Specialists in the paper, plastics and packaging industry

Kongskilde specializes in the conveying, compaction and cleaning of process waste within the paper, plastics and packaging industries, thus giving your company direct access to trade-oriented know-how on process material handling.



| Recycling of granular plastic rejects

| Plastic waste processed into flakes

| Finished plastic items. Both approved items and rejects for recycling

| Sprues, top and tails for recycling

## Pneumatic conveying

For over 60 years Kongskilde has been at the forefront of materials handling using high pressure blowers. These systems are now common place in many factories around the World to convey granules, pellets, flakes and other moulded items in an efficient manner.

The conveying of these materials can be done using either a positive or negative pressure systems depending on the client's requirements. Using Kongskilde's unique standard modular components these systems can be built quickly, are easily modified if necessary and the capacity can be increased at a later date by changing a few components making them an extremely versatile way to convey material.

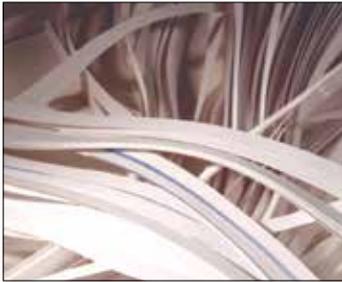
## De-dusting

With today's environmental challenges and the price of plastic raw material it is essential to recycle as much plastic as possible.

The Kongskilde Industrial Aspirator (KIA) has become a bench mark in PET bottle re-processing with many companies worldwide using it as their preferred method of removing label fragments after initial size reduction.

Kongskilde's patented AirWash is the only plastics de-dusting system in today's market place that can convey and clean simultaneously.





Continuous trim from the cutting of paper and film rolls.



Trim cut from paper and film production machines



Off-cuts from the production of tissue products



Off-cuts from clean-cutting in the graphic industry

### Trim handling

Kongskilde waste extraction systems can handle trims from film and foil production machines (cast lines) and converting machines (slitters/re-winders).

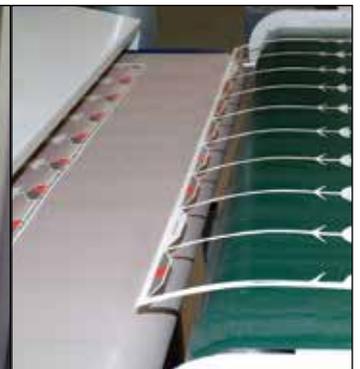
The Kongskilde MultiAir high pressure blower is the 'heart' of many of these systems which produces the air volume and pressure required to convey the material. The MultiAir is able to convey the material over long distances and at high capacity depending on the client's requirements.

### Off-cuts and skeleton handling

Kongskilde's off-cut handling systems offer efficient solutions to meet the demands of high speed production in today's print industry.

Kongskilde can offer single waste extraction systems to fully automated centralised systems. All our systems are designed specifically for each client's needs and with our broad range of modular components we are able to offer each client the most cost effective solution for their process.

Kongskilde's MultiDicer has been designed specifically for dealing with die cut waste. The MultiDicer downsizes the cardboard (carton board) skeleton waste released from a die cutter, which would normally be difficult to handle in a conveying system.





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