Effective handling of process waste gives you a healthier bottom line ...

Clean factory environments and the efficient handling of process waste are factors of paramount importance in today’s manufacturing industries.

Companies invest heavily in, state of the art, processing equipment, in order to maintain a competitive edge, but often overlook the need to efficiently handle the process waste generated by such equipment.

Standard designs from Kongskilde - ready-to-use solutions

Kongskilde has unrivalled expertise in the handling of process waste produced in the plastic, packaging and printing industries. Our “modular” solutions allow for both the conveying and the homogenizing of process waste.

Our thorough knowledge, acquired from many hundreds of worldwide installations allowed us to simplify our solutions by reducing them to a few basic concepts. Correctly assembled and installed, they meet the majority of requirements.
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 waste handling.

Recycling of Granular Plastic Rejects - Separation of Dust and Label Fragments
Re-granulated plastic bottles and waste plastics often contain fines, paper labels and other impurities that reduce processing efficiency.

The unique Kongskilde air separations equipment increases production efficiency by separating and removing the above materials which have different densities.

Process Waste from Blow Moulding and Injection Moulding Machines
Plastic waste like tops and tails from the blow moulding process and sprues from injection moulding machines is generated during the production process.

Using Kongskilde modular pneumatic technology, these waste products are conveyed directly to a granulator and from there, either into a pelletizer or directly back into the production.

Continuous trims from film/foil production machines, slitters/rewinders and paper manufacturing machines
A patented in-line Venturi and our standard range of modular pneumatic components enable continuous trim to be conveyed to a waste collection/processing area.

Using the Kongskilde Multicutter unit, which has the capacity to handle the trims from up to four machines working simultaneously, the volume of the conveyed trim can be drastically reduced, thus removing the need for a compactor/baling machine.
Kongskilde has a thoroughly tested and efficient conveying system that returns the off-cuts - as generated in the production or converting of paper, printing and packaging material - for either reclamation or disposal.

Productivity
Handling process waste need no longer cause a bottleneck in the production process. A Kongskilde system frees manpower resources and space for other purposes.

Clean working environment
The paper industry in particular generates a large quantity of dust with each process. Using the Kongskilde vacuum conveying systems alleviates this problem by carrying away dust with the paper edge trim.

Profitability
Process waste is a valuable material. With a Kongskilde solution, optimum utilization of all raw materials can be achieved by the immediate recycling or re-introduction into the production cycle.
### Process Material and Waste Handling

#### PLASTIC INDUSTRY

<table>
<thead>
<tr>
<th>Granulate</th>
<th>Flakes</th>
<th>Rejects, Tops &amp; Tails</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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</tbody>
</table>

#### KONGSKILDE SOLUTIONS

- **Venturi System**
- **Multicutter System**
- **Multi-evacuator**
- **Pneumatic Conveying**
- **Aspirator Cleaning**
## PAPER INDUSTRY

<table>
<thead>
<tr>
<th>Sprues</th>
<th>Continuous Trim</th>
<th>Trim cut</th>
<th>Roll Off-Cuts</th>
<th>Plain Off-cuts</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
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</tbody>
</table>

The Inline Venturi System gently handles finished items and waste materials. Please ask for further details.

The Multicutter conveys and homogenizes the material. Please ask for further details.

The Multievacuator is a simple, gentle solution for the conveying of regrind and low volume items. Please ask for further details.

The Pneumatic Conveying System offers high conveying capacity over long distances. Standard modules allow for future expansion.

An Aspirator System separates lightweight particles from heavier material. Ideal for reclaim and recycling applications.