

Disposal Solutions for the Printing Industry



Paper off-cuts, edge strips, stamping waste and milling dust are removed via a pneumatic suction system, to optimise the production process for newspapers, printed advertisements, books, envelopes. Hunkeler Systeme customized system solutions, tailored to individual customer requirements.

Paper off-cuts

Edge strips

Stamping waste

Milling dust

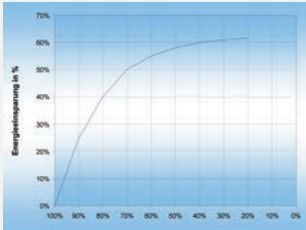
Perforation waste

Paper cut-outs



Pneumatic conveyance in negative pressure

Increasing requirements in product quality and environmentally friendly production require efficient dust collection and extraction systems. Whenever possible, Hunkeler works with negative pressure systems, to ensure that no residual dust is left in the production system.



Energy saving systems ESS and ASA

Every company can do their part to save energy and at the same time do a lot for their own costs. The automatic switch off and the energy saving system from Hunkeler Systeme are solutions which can reduce your operating costs by as much as 50%.



Compaction

Where large amounts of waste occur, compaction is an important part of efficient disposal logistics. Compacted, homogenous waste is regarded as quality secondary raw material, it simplifies processing and reduces warehouse and transportation costs.



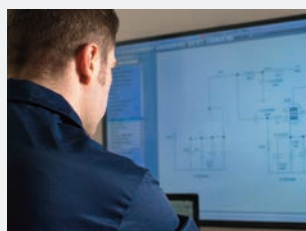
Filtering

The filter cleans the dust-laden transport air, which can be returned to the production room with a purity grade of less than 1mg/m³. The dust is transported by a spiral conveyor to the briquetting press, which turns the dust, along with the cuttings, into briquets.



Separation | Off-cuts

The separator divides the material from the dust-laden air. While the paper is send for compaction, the transport air is cleaned in the filters.



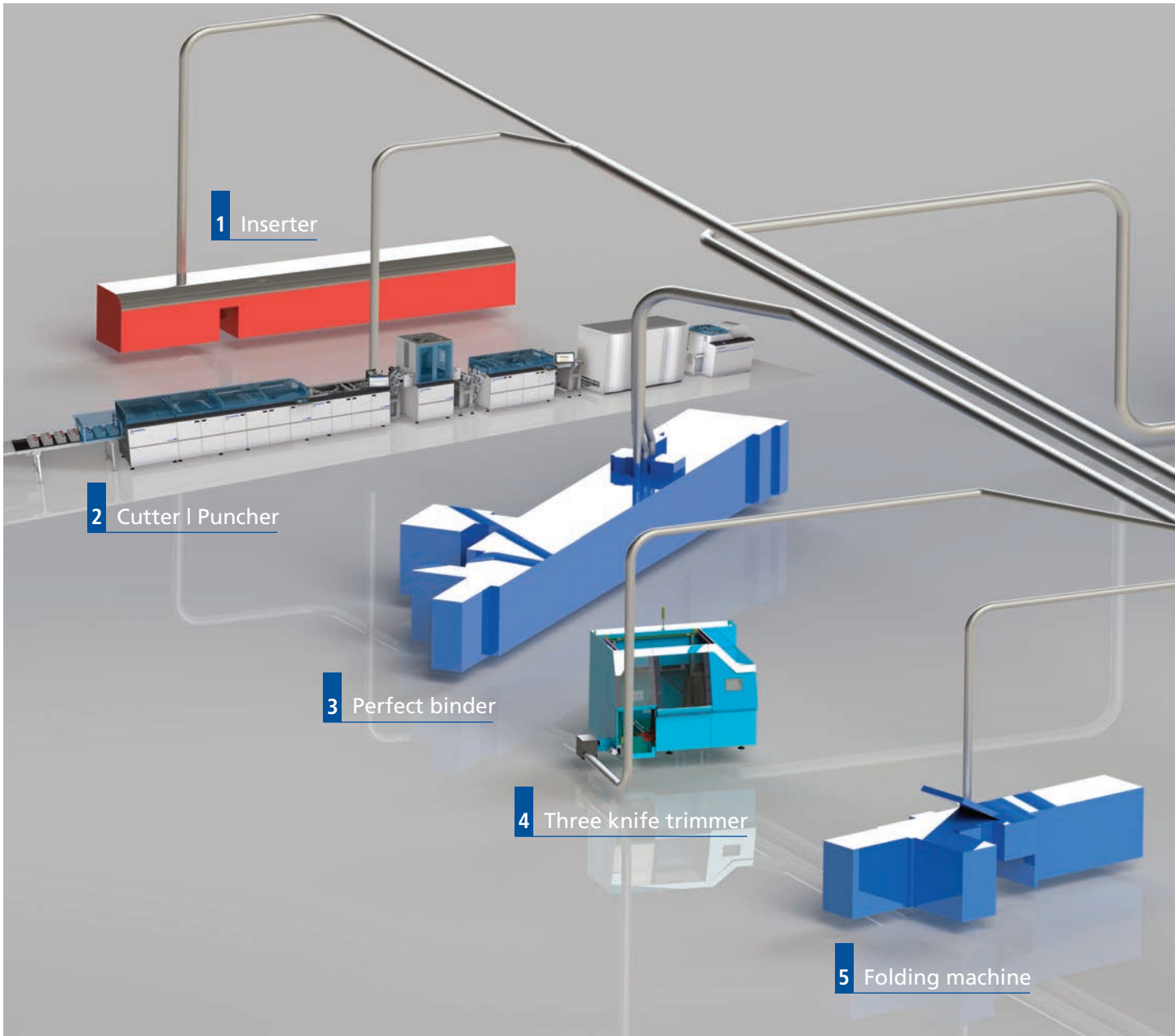
Control software

Optimal function and availability can only be guaranteed if the software is adapted to all the plant processes. Hunkeler programs all systems in their own software and control department and can thus offer fully integrated support, even with a remote system.

Production Security and Automatisation

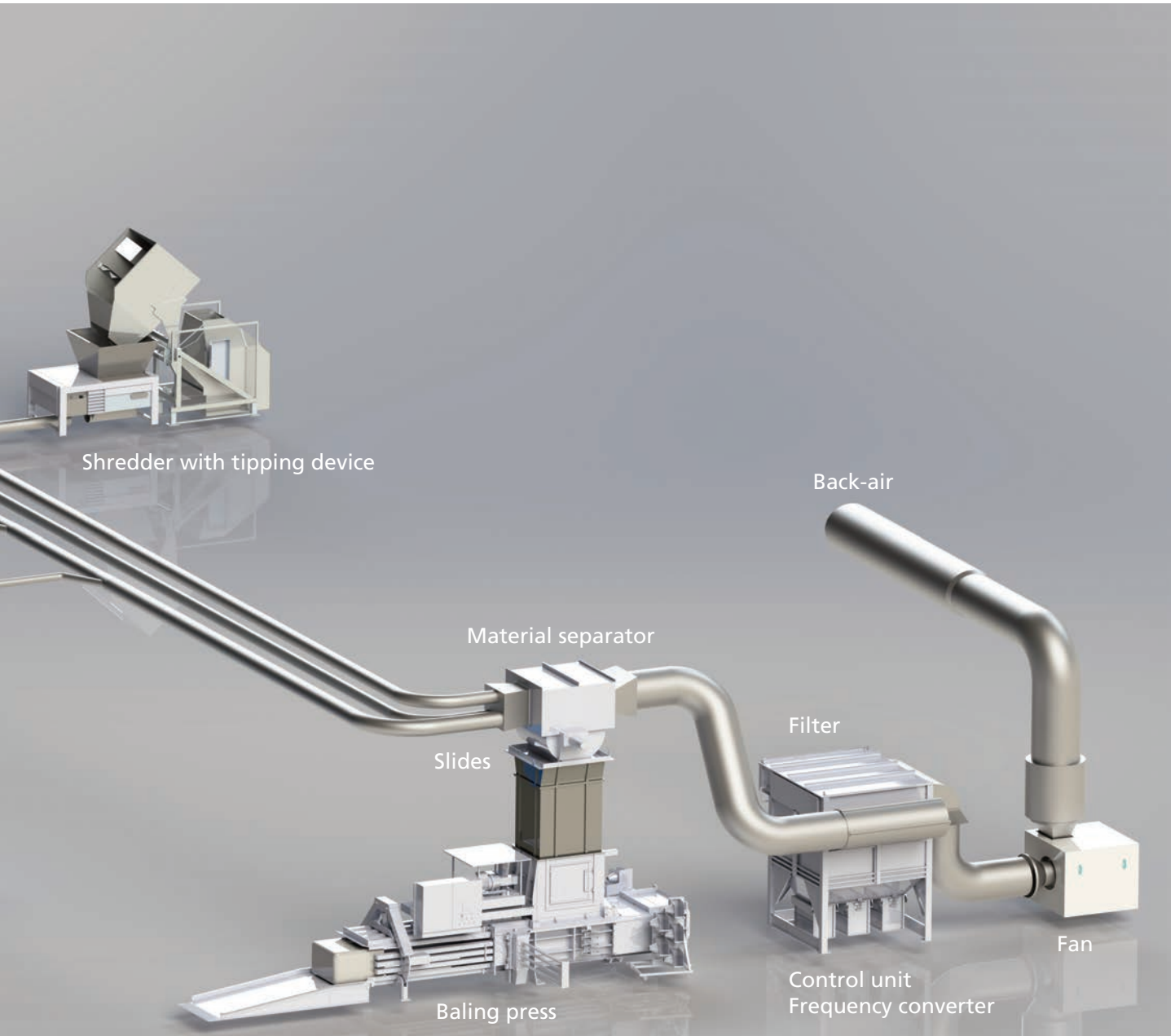
Excellent Qualities

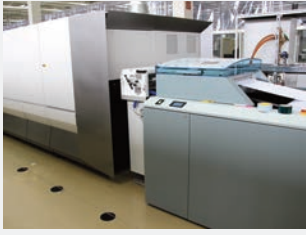
Paper off-cuts, edge strips, stamping waste and milling dust all interfere with production; they reduce the efficient manufacture of newspapers, printed advertising material, books, envelopes etc, which is an unnecessary cost-intensive factor. To achieve greater level of economic efficiency, it is essential to guarantee the appropriate removal of unavoidable production waste, caused by cutting, milling, punching and trimming.



Production waste

Production waste is input for our systems. The suction system collects the waste, including the dust, online at the collection points, transports it via a closed pipeline system to the disposal centre and delivers as output for example, stackable compact bales. The dust-laden transport air is cleaned in the jet-filter and is either returned to the production rooms or exhausted outside the building.





Contactless dust removal I-PEM

The dust on the paper web is removed without contact. The PEM-design thus permits very low maintenance operation for the customer. This special design, with large transport rollers, transports the paper web without deforming it to the printer.



Laser suction HKU

The flue gas caused by the laser process and the dust particles are effectively removed by the HKU and cleaned in three filter stages.



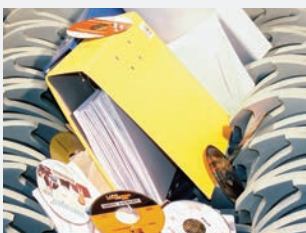
Compact suction for die-cuts | milling dust

The suction equipment is very compactly built, movable and designed for the extraction of paper dust and confetti. The machines work on the negative pressure principle and are available in various performance classes.



Compact suction of endless strips | off-cuts

The HKU 2000-series is equipped with a shredder and is intended for the suction of paper off-cuts and endless strips. In non-stop performance, the full container can be emptied during production.



Off-line shredder for secure shredding

Shredder systems are the most secure solution for the reliable destruction of confidential and personal data. The often large surfaced and heavy production wastes are shredded to easy-to-transport particles.



Dust-briquetting | Matrix cutter

The hydraulic Hunkeler briquette press is ideal for the compacting of granulated and dry material, e.g. paper dust, carton, confetti, etc. The matrix cutter shreds the waste from die-cutting machines and makes possible non-stop operation.

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