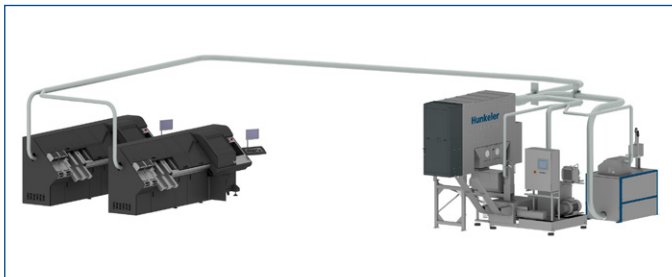


CASE STORY

Croatian National Bank, Zagreb (Croatia)

Banknote destruction and disposal in the smallest space

For the destruction and disposal of banknotes, the Croatian National Bank has invested in sorting and disposal systems. The compact technology from Hunkeler Systeme AG has proven convincing.



The Croatian National Bank has opted for security and efficiency and invested in technology from Hunkeler Systeme AG. The sorting and destruction process takes place in a closed, absolutely secure system, right up to the briquetted particles.

Ten years after Croatia joined the European Union, the Croatian National Bank (HNB) adopted the euro as the official national currency on January 1, 2023.

Banknotes irreversibly destroyed

For sorting and inline destruction of banknotes, the HNB uses two high-speed sorting machines. Both sorting machines, each with a capacity of 12,000 banknotes per hour, are connected to an HKU 4510-B-RB from Hunkeler Systeme AG. The compact extraction system takes over the shredded and irreversibly destroyed banknotes and compresses them into compact briquettes using an integrated press. Thanks to its compact design, the system fit perfectly into the confined spaces of the National Bank building.

Clean, healthy working environment

The HKU 4510 operates according to the proven vacuum principle. By preventing paper dust from escaping the

pipeline, the working environment remains clean. Only after the air has been cleaned of dust in a filter is it returned to the premises. Air-conditioned air is recirculated, and the room climate can be kept constant.

ESS saves energy costs

The energy management of the HKU 4510 at the HNB is optimized via the energy-saving system ESS. A frequency converter regulates the drive power and adjusts it to the operating state of the extraction system. Unnecessary consumption of electrical energy is avoided, leading to significant savings in overall operating costs.

HDDS-30 for security level P5

In addition to the HKU 4510, the Croatian National Bank has invested in an offline shredding system HDDS-30 from Hunkeler Systeme AG. The single-stage shredder requires only 1.8 square meters of floor space. It shreds up to one hundred kilograms of banknotes per hour with a particle size of 31 square millimeters (security level P5). The blade life reaches 4,000 operating hours.

Hunkeler Control Manager monitors workflow

The banknote shredding system is monitored by the Hunkeler Control Manager (HCM), a software developed by Hunkeler Systeme AG. The HCM guarantees a 100 percent transparent, secure shredding process that can be traced at any time. Only authorized persons can access the system.

Customer accepts system in Wikon

Before delivery, the system was assembled in Wikon and accepted by responsible employees of the HNB. This created good conditions for successful commissioning at the customer site in Zagreb.

