

CASE STORY

Digital | Graphic

NZZ Media Services AG St. Gallen, Switzerland

Since the spring of this year, NZZ Media Services AG produces a partial run of the «Coopzeitung». The online processing on a trimming drum is carried out with suction and compaction technology from Hunkeler Systeme AG.

NZZ Media Services AG operates their printing centre in St. Gallen Winkeln. In the spring of this year, the weekly workload there increased by 860,000 newspaper copies. The partial run of the «Coopzeitung» for the regions of Glarus, Graubünden, Winterthur and St. Gallen is produced, respectively, on Saturday and the following Monday is produced, 430,000 copies in total. Additionally, just as many copies are printed every Friday with a weekly promotions insert, as a supplement in the «Coopzeitung».

Online-Production of 40,000 an hour

The «Coopzeitung» is trimmed on all three sides, the promotion supplement is trimmed at the top and bottom. Depending on the number of pages, during one production run up to ten tons of paper waste must be removed during operations. This task is carried out by a suction and compaction plant which was designed by Hunkeler Systeme AG and installed in the autumn of 2018. The requirements for the disposal technology are high: for the three-sided trim, NZZ Media Services AG works on a trimming drum from the company Ferag AG. The system is directly connected to the newspaper printing machine and functions in online operation, respectively ten hours on two production days. Production speed reaches up to 40,000 copies an hour.

„A competent partner we can rely on.“

Daniel Küng joined the printing centre at St. Gallen Winkeln in 2015 and has been managing production since then. The new suction and compaction plant is not new ground for him. He knows Hunkeler Systeme AG well, having already worked with their disposal technology in previous positions.

In that Daniel Küng engaged Hunkeler Systeme AG for the new plant in St. Gallen, he has expressed his trust in the company. At the same time, it was also very important that the paper waste from the printing machines should be disposed of by a system from the same supplier. „That we have one competent and reliable contact for the entire disposal process suits us very well indeed,“ says Daniel Küng.



Daniel Küng, production manager of the printing centre at St. Gallen Winkeln

Double Container: In the Interest of Production security

With this background, the project team lead by production manager Daniel Küng, had to decide how the suction and compaction plant should be ordered. There were three possible solutions: compacting the cutting waste in a baling press, compacting in a single or double press container.

The double press container was selected – for a variety of reasons, as Daniel Küng relates. The most important point was production security; this was provided by the double container as a backup system. This variation was also interesting because of the minimal distance between the cutting drum

and the double container on the outside during further processing. The ducting is correspondingly short, the energy required for the transport of the waste material is comparably low. For Daniel Küng, there was a third important point; because the cutting waste is taken outside in closed containers, the production environment is free of paper dust. Clean working conditions are further encouraged in that the fan is placed at the end of the suction system, and the cutting waste is transported in negative pressure. This means that the dust-laden transport air, on its way through the ducting, cannot escape. It is completely cleaned in a jet-filter before it is exhausted into the ambient air.



For economical, technical and logistical reasons, NZZ Media Services AG chose a double container compaction system.