

CASE STORY

Digital | Graphic

Schär Druckverarbeitung Wikon, Switzerland

Schär Druckverarbeitung AG moved from Rothrist to a newly constructed building in Wikon in summer 2017. The entire manufacturing system, with folding and punch machines, saddle stitcher and cutting lines is connected to a disposal system from Hunkeler Systeme AG. Manual disposal is a thing of the past.

Planning a new industrial complex from scratch can be very advantageous. For Paul Bucher, the owner of Schär Druckverarbeitung AG, the greatest advantage was that he could organise everything exactly to the requirements of his business operations. Especially important was: because folding machines, rotating punches, gang stitchers and cutting lines had to be moved in stages from the original site in Rothrist to Wikon, so had production to be moved in stages and connected to the disposal system. Only so could it be ensured that production during the move, in Rothrist as well as in Wikon, could continue with the minimum of disturbance. Suppliers who could offer this kind of flexibility were guaranteed a placing on Paul Bucher's list of favourites.

That Hunkeler Systeme AG received the contract was thanks not only to the flexibility they offered. Paul Bucher was also favourably impressed by the system concept. The main argument in favour of Hunkeler was the Green-Line-Concept: an intelligent control technology which would help Schär Druckverarbeitung AG achieve notable savings in electric energy consumption - compared to a conventional system, up to 50 per cent. An Energy Saving System (ESS) automatically adapts the throughput to the current air requirements in

production. The fan supplies only as much performance as operation actually needs. As well as lower energy consumption, the entire system is comparatively less under stress.

An economic use of energy is fostered with an automatic on/off switching system (ASA). Sensors measure the airflow in the ducts. The system is switched off during breaks in production, at shift end or over the weekend, when no throughput is required. Schär Druckverarbeitung AG has divided production into three sectors, where the machines of each sector are connected via a main control with the fan. This division allows the machines to be in production in one, two or in all three sectors, as required.



Paul Bucher with his wife Vreni, daughter Marina and son Yannick.

The Green-Line-Concept also means that Schär Druckverarbeitung AG saves on thermal energy. Dust is removed from the transport air with a filter and transported back to the production room. In summer the temperature indoors is cooled via ground water, during the colder season, the returned warm air supplies much of the heat energy required.

Paul Bucher received what he needed: top quality disposal technology which enabled a cost-efficient production operation. And he noted a further reason why he favoured Hunkeler Systeme AG as partner: it was the fact that he got everything he needed from one supplier. Hunkeler Systeme AG took on the entire responsibility for the planning and engineering, for the installation and the control software.

Paul Bucher bought the company Schär Druckverarbeitung AG in 2006 and has since then regularly invested in the firm. With the new building in Wikon, he and his wife, Vreni, have fulfilled a long-held dream, says Paul Bucher. In Rothrist, it was becoming increasingly difficult to maintain economic production due to the small and inconvenient rooms. Before the Buchers decided to invest in new premises, they wanted to be sure that the company would remain in family hands. Their daughter Marina and son Yannick decided to take an active role in the company and continue in the family business. One day, brother and sister will be shaping the future of this family company. The ground-breaking ceremony for the new building was June 2016. Less than a year later, Schär Druckverarbeitung AG were able to move into their new premises.



An intelligent control system favours more economical energy consumption in the disposal system.