

Boosts screening efficiency to a new level – without any compromises! C-bar Vertecs



Proven benefits of the novel screening technology

- + Improved operational reliability, extended plugging limit with lower differential pressure
- + Increased screening throughput by at least 20%, whilst retaining or even improving screening efficiency or
- + Over 20% energy savings per ton produced with 25% higher throughput or
- + At least 50% less sticky content in the accept at same throughput
... compared to Voith's leading C-bar technology, well-known for over 35 years

Today's demands on screening

Screening requirements have changed tremendously over the last years. Inferior raw material properties for recycled waste paper as well as increasing papermaking manufacturing costs, like energy and raw materials, have led to higher demands for efficient products and to further process optimizations. Therefore, all manufacturers have to increase their effectiveness in order to compete and be sustainable in the globalized pulp and paper industry environment.

We call it C-bar Vertecs

The C-bar is known in the paper industry as leading technology in slotted screening for over 35 years. Compared to the well-known and established Voith C-bar, our latest innovation, the new C-bar Vertecs, allows a significantly higher screening velocity, offering a greatly enhanced reliable operation at outstanding superior technology results (Fig. 4).

The strengths of the newly developed slotted basket

Several field tests reveal that the new screen basket invention boosts throughput by at least 20% while maintaining or even enhancing the efficiency of sticky separation (Fig. 1). This allows existing screening sections to handle production constraints such as capacity and separation effectiveness. As a result, production rates are increased without compromising, and potentially even improving, the quality standard which raises the extended plugging limit by at least 20% compared to our previous C-bar baskets (Fig. 3). In summary, we have established a new benchmark in screening reliability. This C-bar Vertecs screen basket is compatible with Voith screens as well as those from other manufacturers.

Saving screening energy by more than 20%

The installation of a C-bar Vertecs screen basket allows a reduction in specific energy demand. With an increase of production of 25%, the rotor speed can maintain its current speed. As a result, the specific energy demand used per ton in the screening process is effectively reduced (Fig. 2).

All results at a glance

Fig. 1: Reduction of stickies with the same throughput

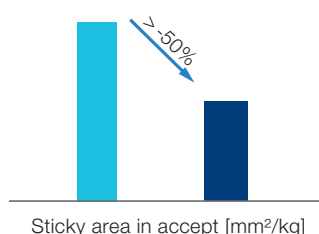


Fig. 2: Reduction in specific energy consumption at 25% higher throughput rates

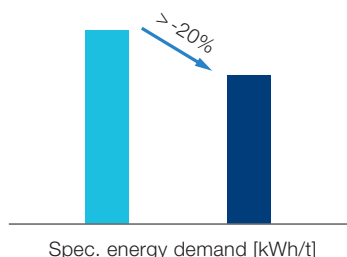


Fig. 3: Extended plugging limit

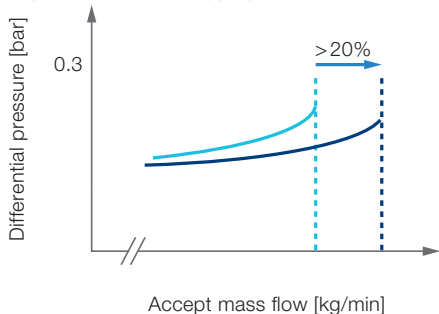
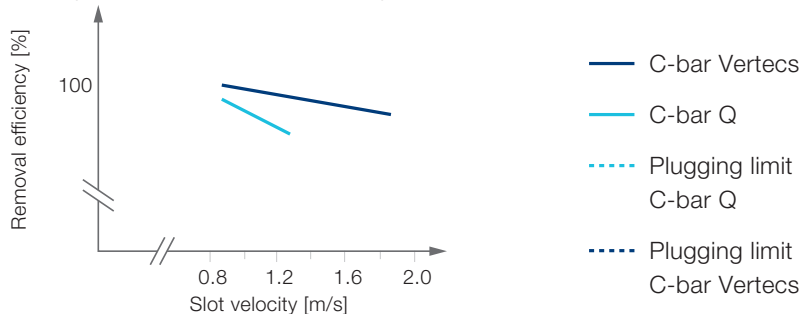


Fig. 4: Improved removal efficiency



Boost your screening, call us today!

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