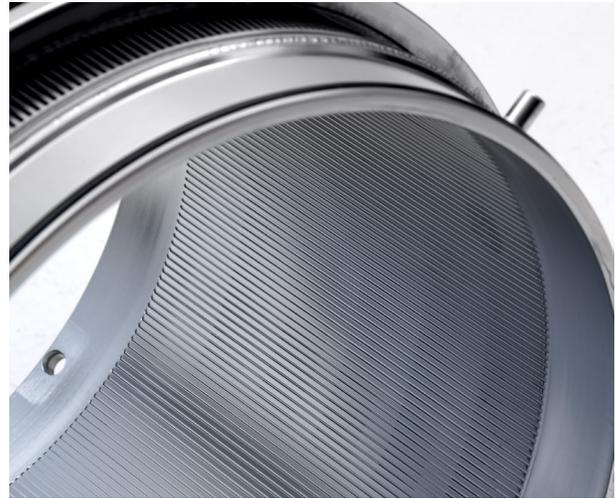


Proactive screen basket recoating service

Valmet Recoating Services

Valmet has developed a proactive recoating service to optimize screening performance. This innovative service ensures that the screen basket profile is maintained in top shape at all times by replacing the baskets before their profile starts to wear down and then recoating them. Knowing when to replace and recoat the baskets is the key to minimizing unplanned shutdowns, ensuring stable performance and saving costs.

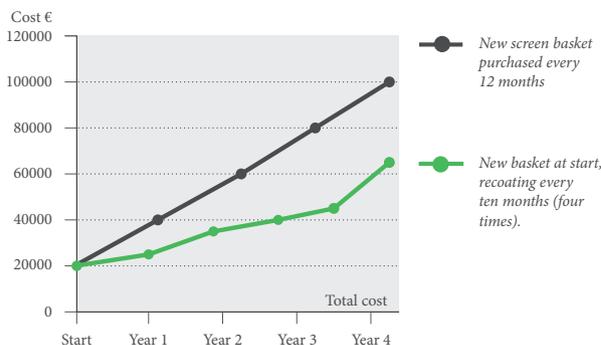


Considerable savings

Usually, the screen basket is operated until it wears down. It then gets plugged and the process must be stopped for a basket change, which naturally reduces capacity. With Valmet's recoating service, the screening process can be kept stable at all times. Changing baskets before any significant changes in pulp quality occur is essential in this stabilization.

Recoating services are a cost-effective solution to maintain capacity at a desired level. Recoating, instead of buying a completely new basket, brings considerable savings in screening costs. This is illustrated in the graph below showing a cost comparison in a typical case.

Cost comparison- New coats vs. recoating



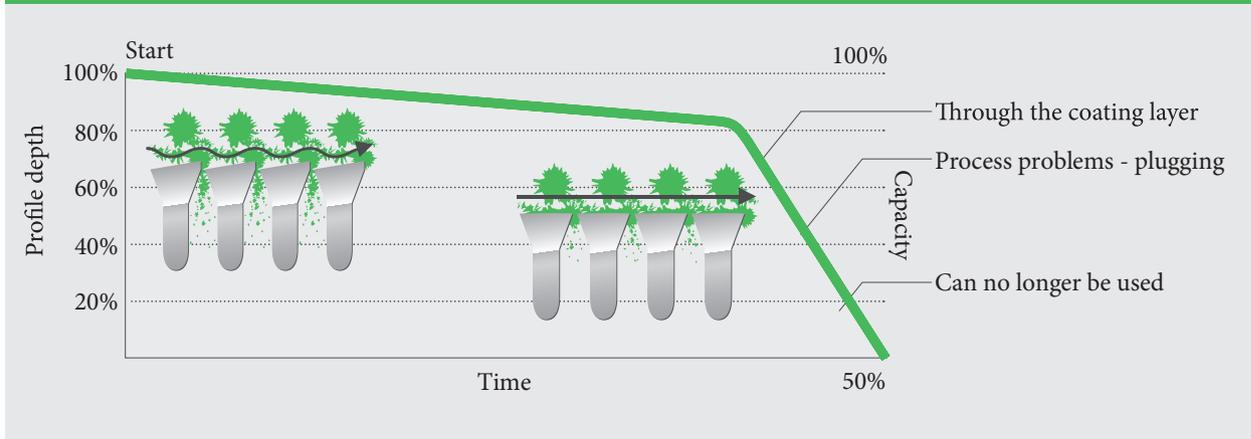
On-site inspections and recoating

During on-site inspections, Valmet's service engineers inspect the baskets with a special handheld profile scanner and measure the profile, slot width, wear and general condition of the basket. The screen baskets are also inspected at the Valmet workshop when they arrive for recoating.

Valmet's standard coating is a CoatC coating with a thickness of 150 microns. This can be increased up to 350 microns in accordance with the process requirements. CoatL is Valmet's premium coating for extending the lifetime of screen baskets in high-wear screening applications. CoatL features the most advanced materials to gain superior wear resistance for a screen basket. A 20% increase in the lifetime of the screen basket is guaranteed.

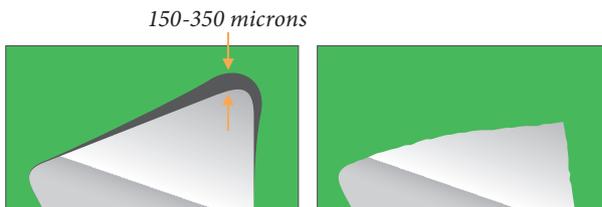
The quality of the recoating layer and, therefore, the lifetime of the recoated basket, is the same as the coating of a brand new basket. A screen basket can usually be recoated up to four times before a new basket is required. Correct timing in recoating is most important since worn slots (worn base material in the slots) cannot be closed through recoating.

Basket wear means profile wear



A lower profile lessens turbulence on the boundary layer, which reduces fluidization and increases thickening and fiber losses. The screen baskets begin to plug more easily and start to cause production bottlenecks.

Basket wear usually refers to the wear of the profile. The image below shows a crosssection of a new bar with no sign of wear in the coating layer, and the lower image illustrates a worn-out bar, where the coating layer is completely eroded. The wear rate of the coating on screen baskets is fairly slow, whereas the base material (beneath the coating) wears five to ten times faster. Therefore, once the coating layer is worn through to the base material, in practice, the basket's service lifetime is over.



Additional products and services

Wear rate information from reports

A report is prepared at every inspection specifying measurements of the current slot width and profile height. The estimated wear rate is calculated by Valmet's experts through combining this data with information about the installation date and parameters of the basket at the time of installation. The recoating program, tailored individually for each screen, is created once the screen-specific wear rate estimate is determined. Revisits and additional service inspections are used to validate and update the programs.

StockBoost™ offers even more

The recoating service is one of the products Valmet provides with customized StockBoost service programs to ensure the best possible screen performance with the lowest production costs. The agreements can contain various services for the screening process and may range from a single service package to a continuous support program. The cooperation agreement can be applied to all types of screens, regardless of make or brand.