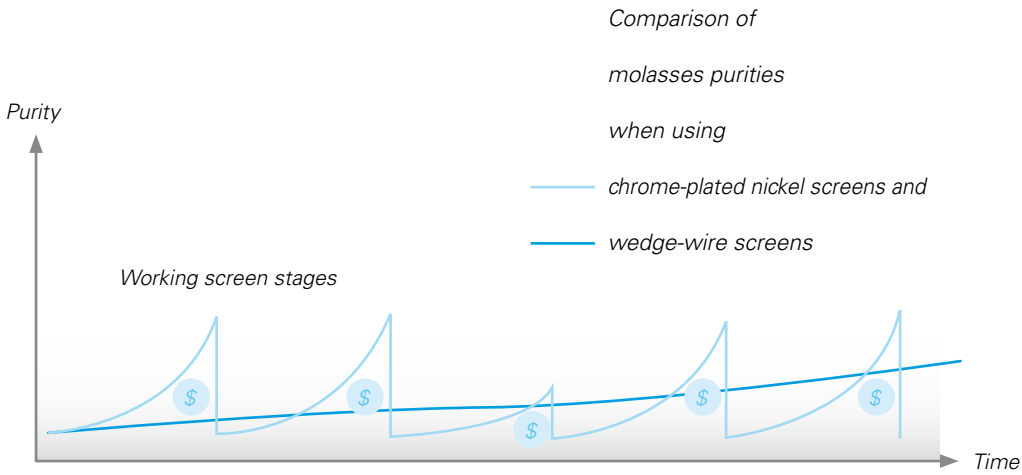
Wedge-wire screens in continuous centrifugals



The durability of centrifugal baskets equipped with wedge-wire screens leads to cost savings due to reduced sugar losses

In its newly developed K3300 continuous centrifugal, BMA uses wedge-wire screens as standard in the pre-separation stage, instead of the normally used chrome-plated nickel screens (see also BMA Information 48/2010). This has led to the idea that wedge-wire screens could also be offered as a retrofit kit. The screens are easy to install and, if adapted in their design, can be installed in many manufacturers' centrifugals.

Compared to conventional chrome-plated nickel screens, wedge-wire screens (Vee-Wire screens) offer clear advantages: they are made of stainless steel and thus have a considerably longer service life than conventional screens, and they comply with EU Regulation 1935/2004. Contact of the product with the inevitable abrasion of chromium-nickel parts is largely avoided. Thanks to their design, wedge-wire screens are more resistant to foreign bodies in the massecuite. Owing to wear by abrasion, which increases during the service life of chrome-plated nickel screens, the molasses purity increases. With wedge-wire screens, however, the mesh size stays more or less the same until the screens are worn, thus ensuring a low molasses purity over the entire service life. Compared to chrome-plated nickel screens, wedge-wire screens have a longer service life by far.

Hartmut Stolte

Wedge-wire screen

Benefits

- Considerably longer service life
- Consistently low molasses purity over a longer period
- Complies with Food and Feed Regulation
- Easy to install