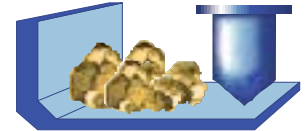


PMP compact

Software for the cement industry



INVESTIGATION OF SIFTER

How is the performance of the sifter inside the grinding circuit? The separation quality of the sifter influences the circulating quantity as well as the grading of the end product. The characteristic behaviour of the sifter has a direct effect on

- ♦ the operating behaviour of the grinding plant
- ♦ the product properties.

How does the sifter react on changes of the

- ♦ sifter rotational speed
- ♦ charging (classification material and –air flow)
- ♦ fineness of the classifier feed
- ♦ grinding aids – type and quantity ?

Contexts applying for it are known qualitatively. It depends on the knowledge of the individual characteristic function of the sifter, for handling the effects on the operating behaviour of the whole grinding plant. Therefore, there are sifter investigations.

How can *sifter investigations be economised* ?

How is *the sifter characteristic field built up* ?

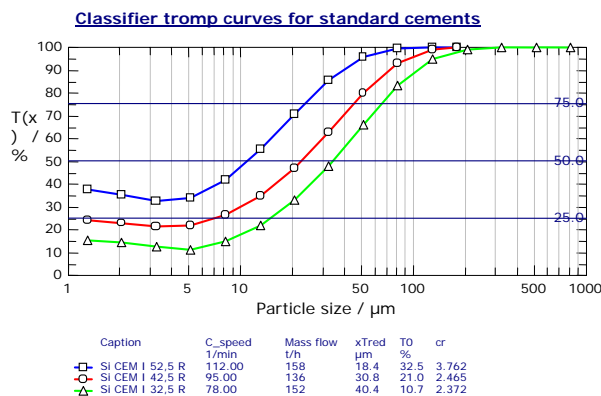
Which *sifter setting* is - sort related - ideal?

Practicable and reliable solutions for these questions provides the **PMP mill assistant**.

SIFTER BALANCE SHEETS

The balancing and evaluation of the sifter for each concrete condition occurs by the PMP mill assistant software from available primary data of the mass flows and grading of the samples.

In the result, the characteristic curve and common characteristic values are indicated according to DIN 66142. Furthermore, a balance quality will be shown and essential influencing values will be assigned. The result representation can be effected clearly in an individual designed report template.

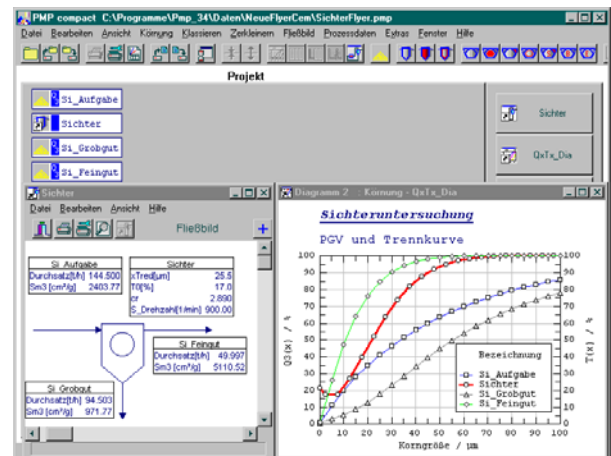


SIFTER CHARACTERISTIC FIELD

When there are more than 2 conditions which are known for the sifter balance sheets, the software allows to determine the current sifter characteristic field. Relevant contexts between the influencing values and separation characteristic values are presented by an empiric approach with only few parameters. If there is new information regarding the separation behaviour, this model can be updated.

PMP TEMPLATES

There are different PMP templates for investigating the sifter which serve for perfectly organising all operating steps, beginning from data recording, evaluation routines with fixed result output to setting up and updating the sifter characteristic field.



APPLICATION BENEFITS

- ♦ less time effort for evaluating the sifter
- ♦ direct information about the operating of the sifter via the separation characteristics
- ♦ effects of modifications can be estimated safely via variant calculations
- ♦ for changed product demands it can be determined which sifter setting is ideal for obtaining the requested product quality
- ♦ via simulating the operating behaviour of the examined circulating grinding plant, an appropriate controlling strategy which considers the correct sifter characteristic field, can be developed