

Application n° 9

Screening of Masterbatch

INNOVATION. NOT IMITATION.



Masterbatch – Increase your Quality

Masterbatch is a solid product (normally of plastic, rubber, or elastomer) in which pigments or additives are optimally dispersed at high concentration in a carrier material. The carrier material is compatible with the main plastic in which it will be blended during molding, whereby the final plastic product obtains the color or properties from the **Masterbatch**.

Masterbatches are used in all typical processes of the plastics industry, such as extrusion, injection moulding and blow moulding. **Masterbatches** are distributed to diverse customers, e.g. the packaging, medical devices and automotive industries.

Colour pigments or chemicals are going to be mixed with raw polymers (this means untreated plastic granulates). This mixture is then going to be melted in an extruder and afterwards granulated.



The Masterbatch must be classified later on through a screening machine independent from the process method. The screening Machine is separating longs and fines from the good product.

The success of a perfect screening machine is to use the optimal adjusted screens for **Masterbatches**. GKM Siebtechnik is using

special shaped and designed perforated plates for the screening of **Masterbatches**.

Our circular vibrating tumbler screening machine type KTS-VS is mounted as a 2 deck unit. The top deck is designed with a perforated plate of around 5 mm and the lower deck with around 2 mm hole diameter.



Our machines are equipped with quick clamps to clean and change the screen inserts within only a few minutes.

Following capacities can be reached on our GKM vibrating tumbler screening machines:

KTS-VS 600	~ 200 kg/hr
KTS-VS 900	~ 400 kg/hr
KTS-VS 1200	~ 750 kg/hr

GKM Siebtechnik is your number 1 for a first class **Masterbatch** without any longs & fines in your valued products.

Call us for further information.....