Task:

Application field: Chemistry / Plastics

Material: Rust Oxidation, basic material

Feed size: 0-20 mm, chips

Feed quantity: 900 g

Material specification(s): hard brittle

Customer requirement(s): Fraction 50 - 140 ASTM mesh (300 - 100 µm)
Fraction < 140 ASTM mesh (< 100 µm)

Subsequent analysis: not defined

Solution:

Selected instrument(s): SK 100 Cross Beater Mill

Configuration(s): Bottom sieve trapezoid holes 0,5 mm;
Ring-type filter with trapezoid hole body for collecting receptacle 5 l

Parameter(s): Revolution speed appx. 3000 rpm

Time: 5 min.

Achieved result(s): 4 % = > 315 µm
32 % = 315 - 100 µm
64 % = < 100 µm

Remark(s): During the fine grinding process, the ring type filter must be used as a dust filter. He prevents blocking and sticking effects of the material in the grinding chamber.

Recommendation: For fine grinding of hard and brittle material the Cross Beater Mill SK 100 is suitable under the above mentioned conditions.