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## Task:

**Application field:** Glass / Ceramics

**Material:** Glass ampules

**Feed size:** 20 x 40 mm

**Feed quantity:** 200 g (100 ampules per batch)

**Material specification(s):** hard brittle

**Customer requirement(s):** Fraction 250 - 425 µm

**Subsequent analysis:** Determination of the hydrolytic resistance

## Solution:

**Selected instrument(s):** SK 100 Cross Beater Mill

**Configuration(s):** Bottom Sieve, trapezoid holes 1 and 2 mm;

**Parameter(s):** Revolution speed 2850 rpm

**Time:** 5 min. (per batch)

**Achieved result(s):**
- Bottom sieve 1 mm: 25 % of fraction 250 - 450 µm (10 % > 425 µm, 65 % < 250 µm)
- Bottom sieve 2 mm: 47 % of fraction 250 - 425 µm (30 % > 425 µm, 23 % < 250 µm)

**Remark(s):** The coarse fraction > 425 µm can be ground in a second operation step in the SK 100.

**Recommendation:** For disintegration of hard and brittle glasses the Cross Beater Mill SK 100 is suitable under the above mentioned conditions.