### Task:

**Application field:** Food  
**Material:** Sea shells  
**Feed size:** 0-10 mm  
**Feed quantity:** 2000 g  
**Material specification(s):** hard, abrasive  
**Customer requirement(s):** < 250 µm, to be used for basic raw material in animal feed  
**Subsequent analysis:** not defined

### Solution:

**Selected instrument(s):** SR 300 Rotor Beater Mill  
**Configuration(s):** Grinding assembly 180° of stainless steel; bottom sieve stainless steel, 0.5 mm trapezoid holes  
**Parameter(s):** appx. 9000 rpm  
**Time:** 2 min.  
**Achieved result(s):** 75 % < 250 µm  
**Remark(s):** A throughput of appx. 25 - 30 kg/h be be reached but only in time intervalls, with colling down phases for the machine. With the Rotor Beater Mill SR 200 it is not possible to reach the required fineness and throughput, because of the lower rotation (appx. 3000 rpm).  
**Recommendation:** For sample preparation of sea shells the Roror Beater Mill SR 300 is suitable under the above mentioned conditions.

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