### Task:

**Application field:** Chemistry  
**Material:** Oyster shells, washed and autoclaved  
**Feed size:** 0-150 mm  
**Feed quantity:** 50 000 g  
**Material specification(s):** dry, hard brittle  
**Customer requirement(s):** < 8 - 10 mm, afterwards fine grinding in a tumbler mill for small production of cosmetic materials  
**Subsequent analysis:** not defined

### Solution:

**Selected instrument(s):** SM 2000 Heavy-Duty Cutting Mill  
*As the SM 2000 was discontinued we recommend to use the SM 200 now*  
**Configuration(s):** Bottom sieves of stainless steel, square holes 10 mm; Ring-type filter with trapezoid hole body for collecting receptacle 5 l; Standard hopper  
**Parameter(s):** Revolution speed 750 rpm  
**Time:** 15 min.  
**Achieved result(s):** Predominantly < 8 mm  
**Remark(s):**  
**Recommendation:** For pre grinding of oyster shells the Heavy Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.