**Task:**

**Application field:** Chemistry / Plastics  
**Material:** Synthetic resin  
**Feed size:** 50 - 100 mm  
**Feed quantity:** Approx. 1 kg  
**Material specification(s):** hard brittle, temperature sensitive  
**Customer requirement(s):** 100 % < 5 mm, 1 kg/batch; avoidance of pollution  
**Subsequent analysis:** not defined

**Solution:**

**Selected instrument(s):** Cutting Mill SM 100  
**Configuration(s):** Standard hopper; bottom sieve of stainless steel 4 mm Square holes  
**Parameter(s):** Revolution speed 1500 rpm  
**Time:** < 3 min  
**Achieved result(s):** 100 % < 5 mm (as required)  
**Remark(s):**  
**Recommendation:** For grinding of synthetic resin the Cutting Mill SM 100 is suitable according to the above mentioned conditions.