### Task:

**Application field:** Building Materials  
**Material:** Quartz (4 samples)  
**Feed size:** 0-5 mm  
**Feed quantity:** 150 g  
**Material specification(s):** dry  
**Customer requirement(s):** < 160 µm, preferable in RM 200 with grinding set of zirconium oxide  
**Subsequent analysis:** Not defined

### Solution:

**Selected instrument(s):** Mortar Grinder RM 200  
**Configuration(s):** Mortar RM 200 zirconium oxide; Pestle RM 200 zirconium oxide  
**Parameter(s):** Revolution speed approx. 100 rpm  
**Time:** 30 min.  
**Achieved result(s):** 97 % < 160 µm  
**Remark(s):** The feed material is a representative single sample, divided by the sample divider PT 100.  
**Recommendation:** For fine grinding of different quartz samples the mortar grinder RM 200 is suitable under the above mentioned conditions.