

**Task:****Application field:** Agriculture**Material:** Leaves, stems, roots and fruits**Feed size:** 0-6 mm (after pre grinding in Cutting Mill)**Feed quantity:** 100 g (per batch)**Material specification(s):** dry, fibrous**Customer requirement(s):** < 100 µm**Subsequent analysis:** not defined**Solution:****Selected instrument(s):** SM100 Cutting Mill  
ZM200 Ultra Centrifugal Mill**Configuration(s):** For Cutting Mill SM 100:  
Long stock hopper;  
Bottom sieves of stainless steel, square holes 4 mm;  
  
For Ultra Centrifugal Mill ZM 200  
Push-fit rotor of stainless steel with 12 teeth;  
Ring sieve of stainless steel, trapezoid holes 0,5 mm**Parameter(s):** Speed SM 100: 1430 rpm  
Speed ZM 200: 18000 rpm**Time:** 3-5 min. (for fine grinding of about 50 g)**Achieved result(s):** predominantly < 100 µm**Remark(s):****Recommendation:** For pre-cutting and fine grinding of dry biology materials, the Cutting Mill SM 100 and the Ultra Centrifugal Mill ZM 200 are suitable under the above mentioned conditions.