### Task:

**Application field:** Agriculture  

**Material:** Wood, spruce chips  

**Feed size:** 0-30 mm  

**Feed quantity:** 20 g (per batch)  

**Material specification(s):** medium-hard, fibrous  

**Customer requirement(s):** < 1 mm  

**Subsequent analysis:** Heavy Metal Analysis, Aqua Regia Method

### Solution:

**Selected instrument(s):** Cutting Mill SM 100  

**Configuration(s):** Standard hopper SM; Bottom sieve SM square holes 2 mm, stainless steel; Ring-type filter with trapezoid hole body for collecting receptacle 5 litres  

**Parameter(s):** speed approx. 1500 rpm  

**Time:** 60 s (per batch)  

**Achieved result(s):** predominantly < 1 mm with bottom sieve 2 mm  

**Remark(s):** If bottom sives with hole sizes < 2 mm will be used, the frictional heat will increase.  

**Recommendation:** For pre cutting of different wood pieces the Cutting Mill SM 100 is suitable under the above mentioned conditions.

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