



## Wood

### Application

<b>Market segment:</b>	Environment
<b>Material:</b>	Splint, matured forest
<b>Feed size:</b>	10-50 mm
<b>Feed quantity:</b>	500 ml
<b>Material specification(s):</b>	Medium-hard, dry
<b>Customer requirement(s):</b>	< 1 mm according to regulation of waste wood X-ray analysis
<b>Subsequent analysis:</b>	ICP-MS Mass Spectroscopy

### Solution

<b>Selected instrument(s):</b>	CM100 Cutting Mill
<b>Configuration(s):</b>	Cutting Mill CM100 for 230 V, 50 Hz; Standard hopper; Bottom sieves of stainless steel, trapezoid holes 1 mm; Bottom sieves of stainless steel, square holes 4 mm
<b>Working settings:</b>	CM100 = 3000 rpm (for rapid process time)
<b>Time:</b>	3 min.
<b>Achieved result(s):</b>	Predominantly < 1 mm
<b>Remark(s):</b>	The sample preparation should be done in two steps: 1. using bottom sieve of 4 mm; 2. using bottom sieve of 1 mm.
<b>Recommendation(s):</b>	For sample preparation of matured forest the CM100 Cutting Mill is suitable under the above mentioned conditions



Wood splint

Application notes can only be used as a guideline. Each type material of has its own characteristics and therefore the outcome for each test may vary per material. We cannot accept any legal claims derived from this application note. This document is subjected to technical modification and errors.