**Task:**

**Application field:** Chemistry / Plastics

**Material:** Wood-plastic composite material (1. tensile samples; 2. loose pieces)

**Feed size:** 20-170 mm (width x length maximum)

**Feed quantity:** 100 g per batch

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

**Customer requirement(s):** 2 - 5 mm, no dust; throughput 1 - 5 kg per hour

**Subsequent analysis:** Recycling

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**Solution:**

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

**Configuration(s):** Standard hopper, bottom sieve with 8 mm square holes
Ring-type filter with trapezoid hole body;
collecting receptacle 5 l of stainless steel

**Parameter(s):** Revolution speed approx. 1400 min⁻¹

**Time:** 2 min. (per each sample)

**Achieved result(s):** 70 – 80 % between 2 – 5 mm
< 1 mm 10 – 15 %

**Remark(s):** For the grinding of medium-hard and dry wood-plastic composite material the Cutting Mill SM 100 is suitable unter the above mentioned conditions.