**Task:**

**Application field:** Environment

**Material:** Automobile waste, non metal

**Feed size:** < 80 mm

**Feed quantity:** 1 kg

**Material specification(s):** Rubber, foam, plastic, electrical wire

**Customer Requirement(s):** < 10 mm

**Subsequent analysis:** not defined

**Solution:**

**Selected instruments(s):** Heavy-Duty Cutting Mill SM 2000

**Configuration(s):** 6-disc rotor; Bottom sieve 10 mm, square holes

**Parameter(s):** Revolution speed 835 rpm

**Time:** 25 min.

**Achieved result(s):** Predominantly < 10 mm

**Remark(s):** The material must be sorted first by separating large metal pieces such as screws or bolts. Also any rubber with steel threading, such as tires and tubing, must be removed or pre-embrittled with liquid nitrogen grinding. The material was slowly fed into in the SM 2000. Pre-cutting with a 20 mm sieve is recommended for easier cutting and passage through the 10 mm sieve.

**Recommendation:** For this application the Heavy-Duty Cutting Mill SM 2000 is recommended under the above mentioned conditions.

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