### Task:

**Application field:** Environment  

**Material:** Refuse derived fuels, plastic waste  

**Feed size:** 0-40 mm (Foils and chips)  

**Feed quantity:** 5 l  

**Material specification(s):** elastic, temperaturesensitive  

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

**Determination of Chlorine and calorific values**  

**Subsequent analysis:** Gross Calorific Value

### Solution:

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

*As the SM 2000 was discontinued we recommend to use the SM 200 now*  

RT Sample Splitter  

**Configuration(s):** Bottom sieves of stainless steel, square holes 6 und 2 mm; Parallel section rotor, Ring-type filter with trapezoid hole body for collecting receptacle 5 l; Long stock hopper  

**Parameter(s):** 750 rpm  

**Time:** 10 min.  

**Achieved result(s):** predominantly < 1 mm  

**Remark(s):** The sample preparation was done according the following operating process:  

1. pre cutting of the total sample with SM 2000 bottom sieve 6 mm

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The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report. Subject to technical modification and errors.  

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2. sample dividing with a Sample Riffler RT 37.5 down to a quantity of 625 ml
3. Fine grinding of the single sample with SM 2000 bottom sieve 2 mm

**Recommendation:** The sample preparation of derived fuels, plastics can be done according the above mentioned operating process.