### Task:

**Application field:** Chemistry / Plastics  

**Material:** Plastic, PTFE - Rest material from extrusion  

**Feed size:** 0-80 mm (tubes up to 120 mm)  

**Feed quantity:** 300 g  

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

**Customer requirement(s):** < 3 - 4 mm for recycling  

**Subsequent analysis:**  

### Solution:

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

As the SM 2000 was discontinued we recommend to use the SM 300 now  

**Configuration(s):** Bottom sieve, stainless steel, 6 mm square holes;  

Ring-type filter with trapezoid hole body for collecting receptacle 5 l;  

Standard hopper  

**Parameter(s):** 750 rpm  

**Time:** 3 min. (per batch)  

**Achieved result(s):** < 4 mm, as required  

**Remark(s):** Plastic pieces with thickness > 20 mm can block the rotor.  

**Recommendation:** For pre cutting of elastical plastic materials the Heavy Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.