### Task:

**Application field:** Food

**Material:** Fish, dried (3 samples)

**Feed size:**
- Sample 1) approx. 80 x 40 mm
- Sample 2) approx. 80 x 70 mm (pre-cut with pliers)
- Sample 3) approx. 50 x 50 mm (pre-cut with a saw)

**Feed quantity:** approx. 500 g

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

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

**Subsequent analysis:** not defined

### Solution:

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

**Configuration(s):**
- Parallel section rotor;
- Bottom sieve 20 mm, square holes;
- Bottom sieve 1 mm, trapezoid holes

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

**Time:** 8 min. (each sample)

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

**Remark(s):** Because it is very tough material, sample 3 should be pre-cut down to approx. 50 x 50 mm. If further particle size reduction is required fine grinding can be done in the Ultra Centrifugal Mill ZM 200.

**Recommendation:** For the grinding of dried fish parts our Heavy-Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.
Pictures of the sample(s):

Fig. 1: sample 1 (original)

Fig. 2: sample 1 after grinding in SM 2000 with 1 mm sieve

Fig. 3: sample 2 (original)

Fig. 4: sample 2 after grinding in SM 2000 with 1 mm sieve

Fig. 5: sample 3 (original)

Fig. 6: sample 3 after grinding in SM 2000 with 1 mm sieve

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