**Task:**

**Application field:** Food

**Material:** Hazelnuts with shell

**Feed size:** 15-25 mm

**Feed quantity:** 1000 g (per test)

**Material specification(s):** medium-hard, containing grease

<table>
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<tr>
<th>Customer requirement(s):</th>
<th>approx. 1 mm;</th>
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| Subsequent analysis:     | Moisture and oil content |

**Solution:**

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

**Configuration(s):** Cutting Mill SM 100 comfort for 3/N~ 400 V, 50 Hz ; Standard hopper SM; ; Ring-type filter with trapezoid hole body for collecting receptacle 5 litres; Bottom sieve SM square holes 4 mm, stainless steel

**Parameter(s):** Revolution speed approx. 1500 rpm

**Time:** 2 min.

**Achieved result(s):** predominantly 1 - 2 mm, as demanded

**Remark(s):** Even with higher moisture contents of the sample no blockage of the sieve could be observed. After all test the sample temperature was < 30° C.

**Recommendation:** For the preparation of hazelnuts with shells for moisture determination we recommend our Cutting Mill SM 100 according to the above mentioned conditions.
Pictures of the sample

**Fig. 1:** Hazelnuts with shells

**Fig. 2:** Ground hazelnuts in SM 100, bottom sieve 4 mm square holes