Task:

Application field: Environment
Material: Computer scrap
Feed size: 0-40 mm
Feed quantity: 1500 g
Material specification(s): abrasive, hard brittle
Customer requirement(s): < 0.5 mm
Determination of precious metal
Subsequent analysis: X-ray Fluorescence Analysis

Solution:

Selected instrument(s): SM 2000 Heavy-Duty Cutting Mill
RT 37.5 Sample Splitter
Configuration(s): Bottom sieves of stainless steel, square holes 6 and 2 mm;
Ring-type filter with trapezoid hole body for collecting receptacle 5 l
Parameter(s): Revolution speed 750 rpm
Time: 5 min.
Achieved result(s): predominantly < 0.5 - 1 mm

Remark(s): Before starting grinding, steel and iron parts must be separated.
The grinding in the SM 2000 was done in following operation steps:
1. Pre cutting of the total quantity using a bottom sieve of 6 mm
2. Dividing by a Sample Splitter RT 37.5
3. Fine grinding of a single sample using a bottom sieve of 2 mm

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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Recommendation: For sample preparation of computer scrap the Heavy Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.