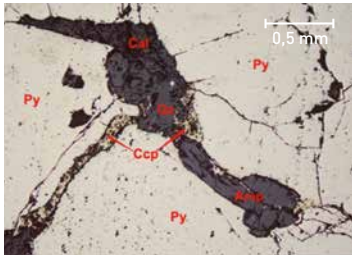
Massive sulfide Cu-Zn ore from Pyhäsalmi Mine, Oulu Province, Finland

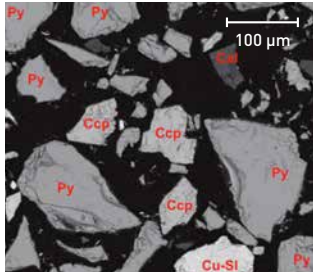
Ve 1 Velocity | Ro 2 Rotation
Liberator

Input

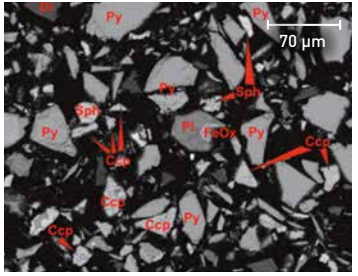
Input (optical microscopy)



Output after one pass comminution (SEM image)



Output after one pass comminution (SEM image)



Summary (after <u>one</u> pass comminution):

- Sulfide ore minerals are almost completely liberated.
- The ore particles, in particular chalcopyrite and sphalerite, are completely liberated (< 125 µm).
- Over 50% of the sample corresponds to the < 125 µm fraction containing almost exclusively liberated ore particles.
- Gangue minerals have been separated equally and intergrowths of Sulfides and gangue occur mainly in the fractions > 250 µm.

Extracted from original factsheet dated Dec. 23, 2013. Contact us for more details.

In cooperation with

MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG

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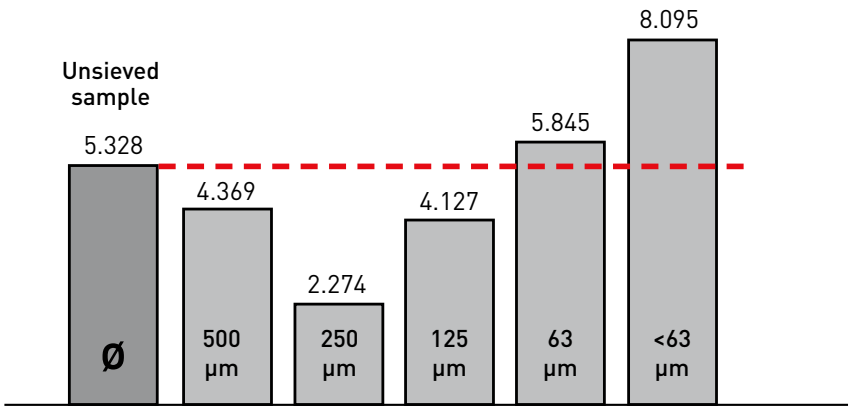
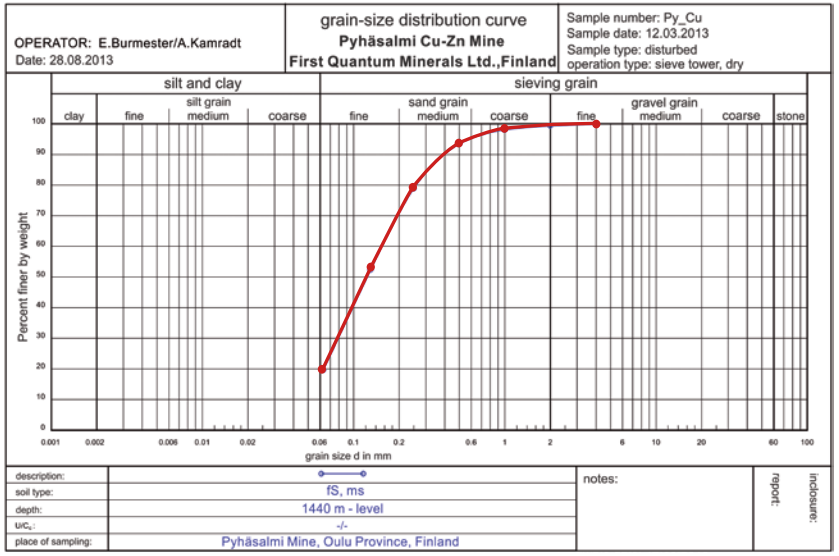
Cu content (%)*



Other metals (unsieved sample)

Fe	25.470%	Ni	0.353%
Zn	1.521%	As	0.074%
Co	0.135%	Pb	0.195%

Sieve analysis



* Point measurements of inhomogeneous ore by mobile XRF Scanner