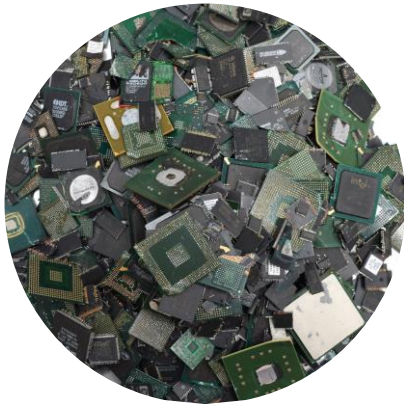


12 – RECOVERY OF PRECIOUS METALS

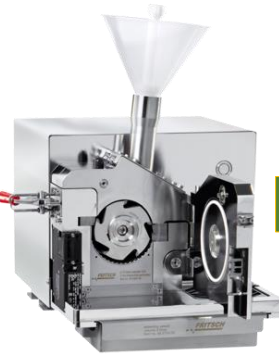


MATERIAL PREPARATION



Au + Ag + PGMs fraction

PGM platin group metals



cutting mill



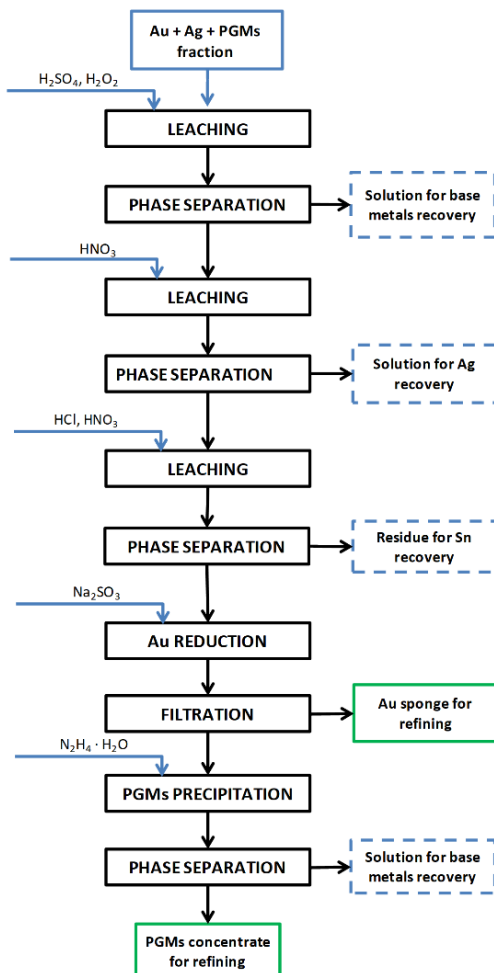
ground material

TECHNOLOGY

method for selective recovery of Au, Ag and PGMs

leaching reactor

method focused on Au recovery



Au sponge

- 99 % of Au was recovered in the form of a concentrate after leaching in a mixture of HCl and HNO₃, and reduction by Na₂SO₃
- ca. 96 % of Ag was separated in the form of chloride concentrate
- PGMs were recovered using ion-exchange process; recovery of precious metals to the final concentration < 1mg/dm³ possible

