

**University of Mining and Geology “St. Ivan Rilski”**

**Central Laboratory of Raw Materials Processing and Waste Management**



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Provides advanced engineering, mineral processing, metallurgical testing and innovative flotation technology for the mineral processing industries.

**MODERN EQUIPPED MINERAL PROCESSING TECHNICAL LABORATORY**

* Test equipment and Trials
* Processes simulation, development and optimization

**Laboratories testing with:**

* **1.2 m leach column battery (for small leach column testing)**



* **6 m leach columns (for tall leach column testing)**



* **2-liter glass reactor (for acid consumption and agitation leach tests)**

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* **Solvent extraction test facility**
* **Ion exchange test column**

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* **Bottle roll apparatus ( for bottle roll testing)**



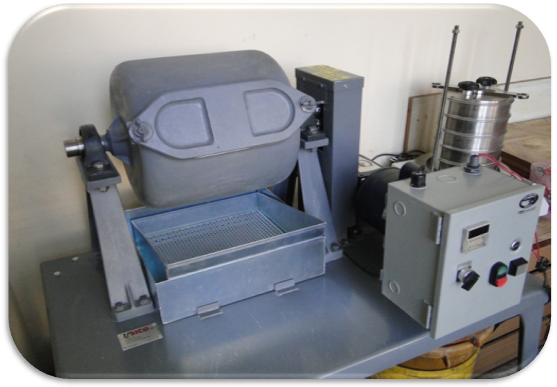
* **2-liter glass reactor (for acid consumption and agitation leach tests)**



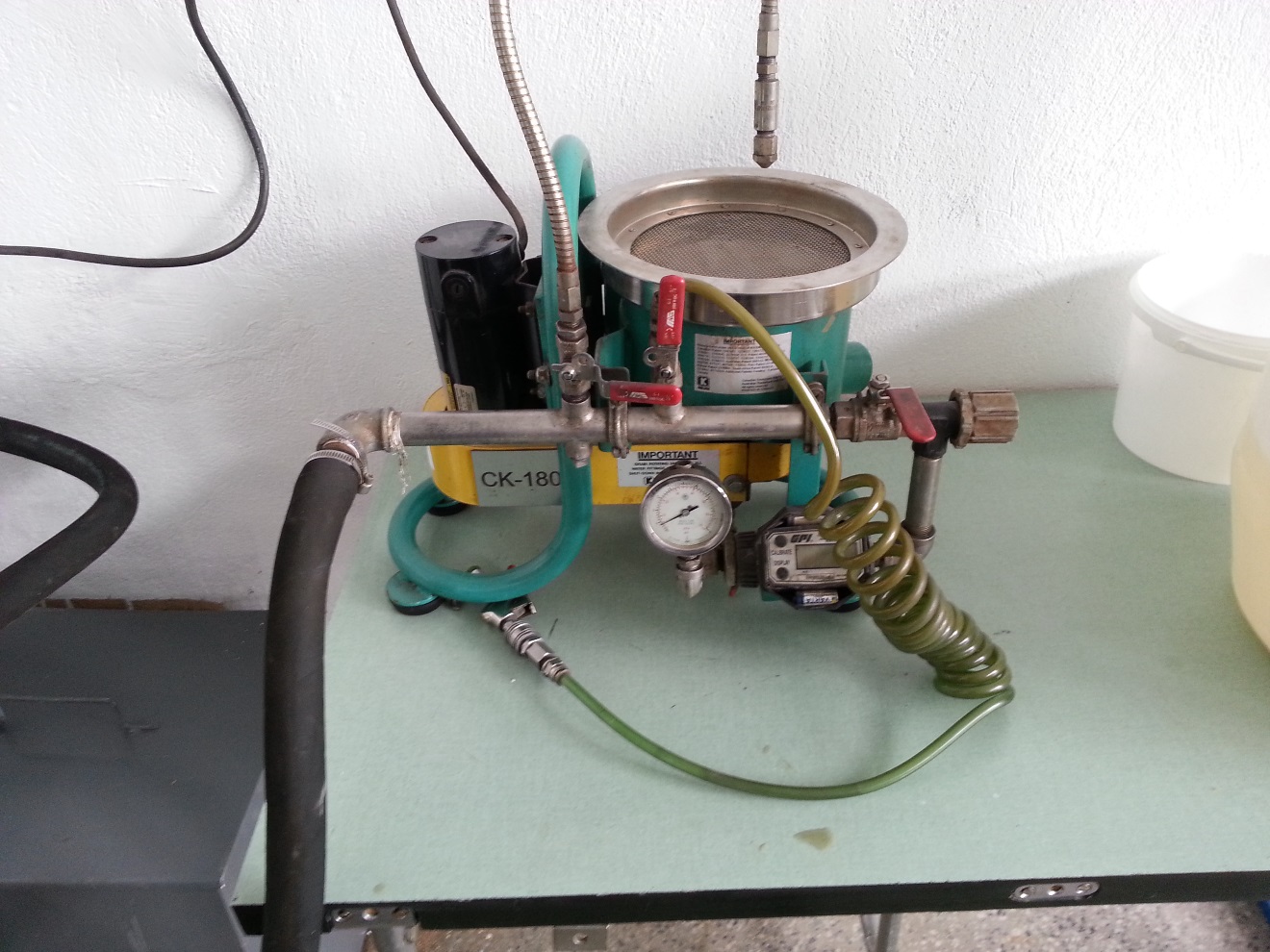
* **Semi-continuous SFR (Staged flotation reactor) pilot plant**



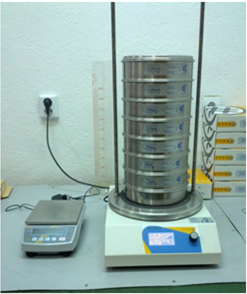
* **Ball mill**

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* **Laboratory KNELSON (KC-MD3) concentrator for bench-scale test work**



* **Zetasizer Nano ZS90**
* **Vibratory sieve shaker Analysete 3, FRITSCH**



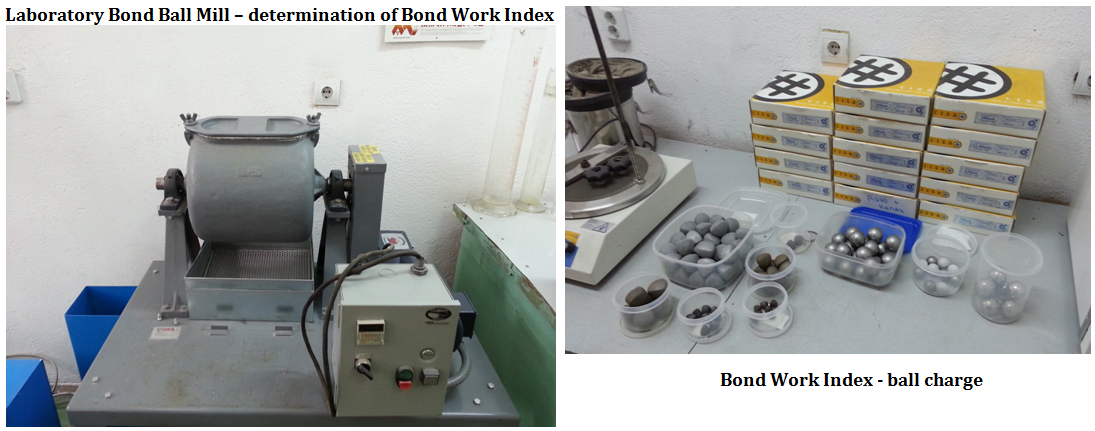
* **Laboratory flotation machines DENVER**







**Jaw crushers, roll mills, magnetic separators, etc.**



* **Rotor Beater Mill**

