

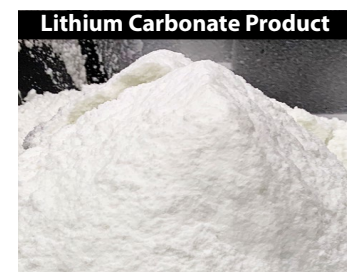
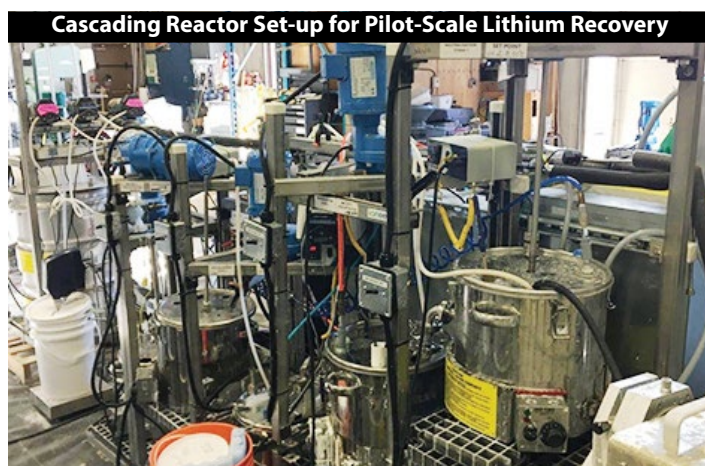
Lithium Processing Expertise

Mineral Processing & Hydrometallurgical Services:

- ◆ Roasting
- ◆ Flotation schemes
- ◆ Li content analysis
- ◆ Brine concentration & upgrading
- ◆ Pressure oxidation
- ◆ Solvent extraction
- ◆ Electrodialysis
- ◆ Whole ore & concentrate leaching
- ◆ Purification & selective Li recovery
- ◆ Unit operation optimization
- ◆ Flowsheet development
- ◆ Pilot plant demonstration

Past Projects:

- ◆ Flowsheet optimization & pilot-scale demonstration of Li_2CO_3 production from ore
- ◆ Production of battery-grade Li_2CO_3 & LiOH from brine
- ◆ Li_2CO_3 conversion to LiOH
- ◆ Flotation & roasting of spodumene followed by H_2SO_4 leaching
- ◆ Recycling cathode materials from rechargeable Li-ion batteries



Kemetco developed a proprietary hydrometallurgical recycling process for the recovery & purification of battery-grade lithium from waste batteries.

This environmentally sound and energy efficient technology was fully patented by the USPTO in 2018, and advanced to pilot-scale demonstrations in 2019.

