

Laboratory-scale test reports

- ◇ Date : 2014. 05. 29
- ◇ Samples : DSME-SMC Sunsin Gold Mine's Concentrate, Haenam, South Korea
- ◇ Test Process : Press - Blowing vertical filtration
- ◇ Sample volume : 500mℓ
- ◇ Testing Specifications
 - Filtration area : 30cm²
 - Filtration capacity : 54mℓ
 - Dehydration pressure : 0 ~ 0.3MPa
 - Cake thickness : 28mm
- ◇ The filter cloth : P.P, 200cc/min/cm²
- ◇ Test Purpose : Feasibility Study to the filter press dewatering efficiency
- ◇ Test Content
 - Number of Tests : 1
 - The amount of concentrate : 500mℓ
 - **Sludge concentration : D.S 10%(w 90%)**
 - Cake thickness : 28mm
 - Filtrate volume : 392mℓ
 - Cakes amount : 108mℓ
 - **Cake moisture content : 5.6%**
 - **Crimp dehydration time : 5min**
 - The filtrate state : Clean
- ◇ Equipment Design

Processing capacity : 10tons/day, Batch type

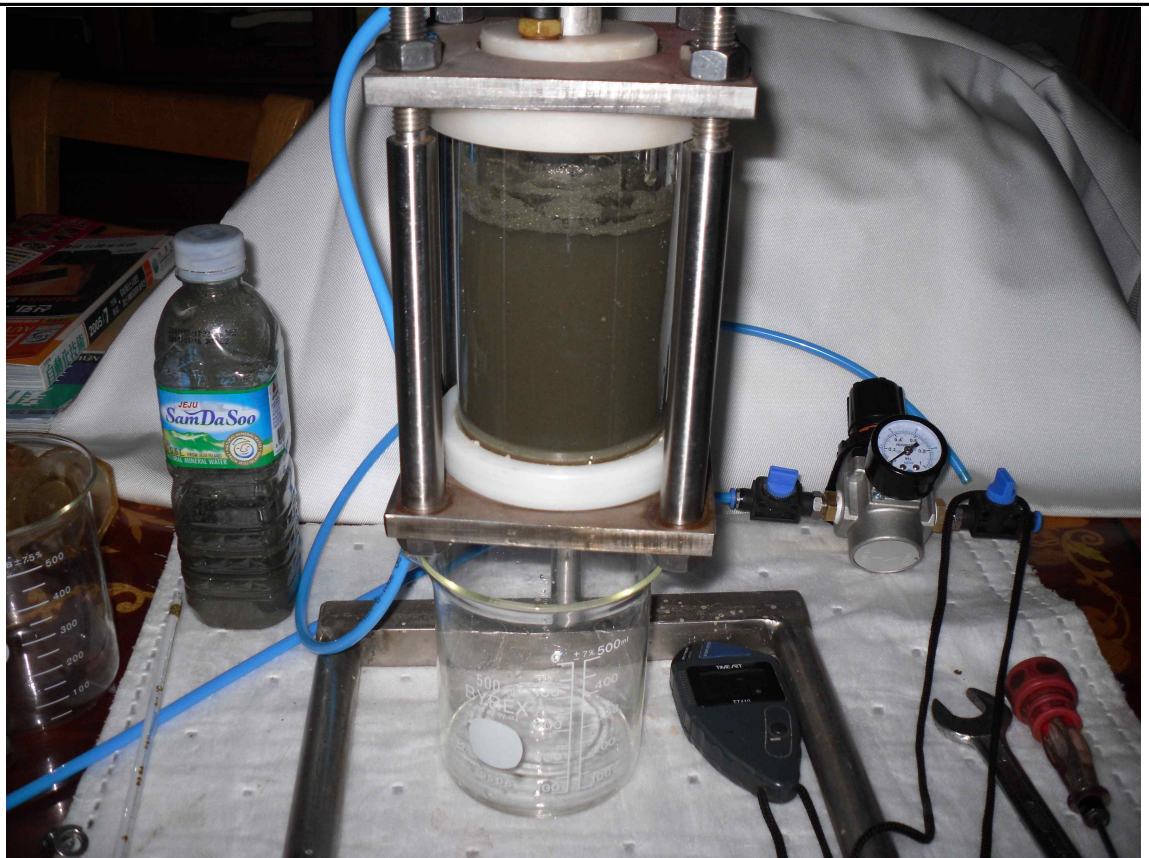
 - Cycle Time : 1hour
 - Dehydrating chamber : 600X600, 16Room
 - Material : Corrosion-resistant rubber coating
 - Piping : PP or rubber coating
 - Panel : STS 304

Pneumatic volume : Pressure tank, 0.7N, 5m³

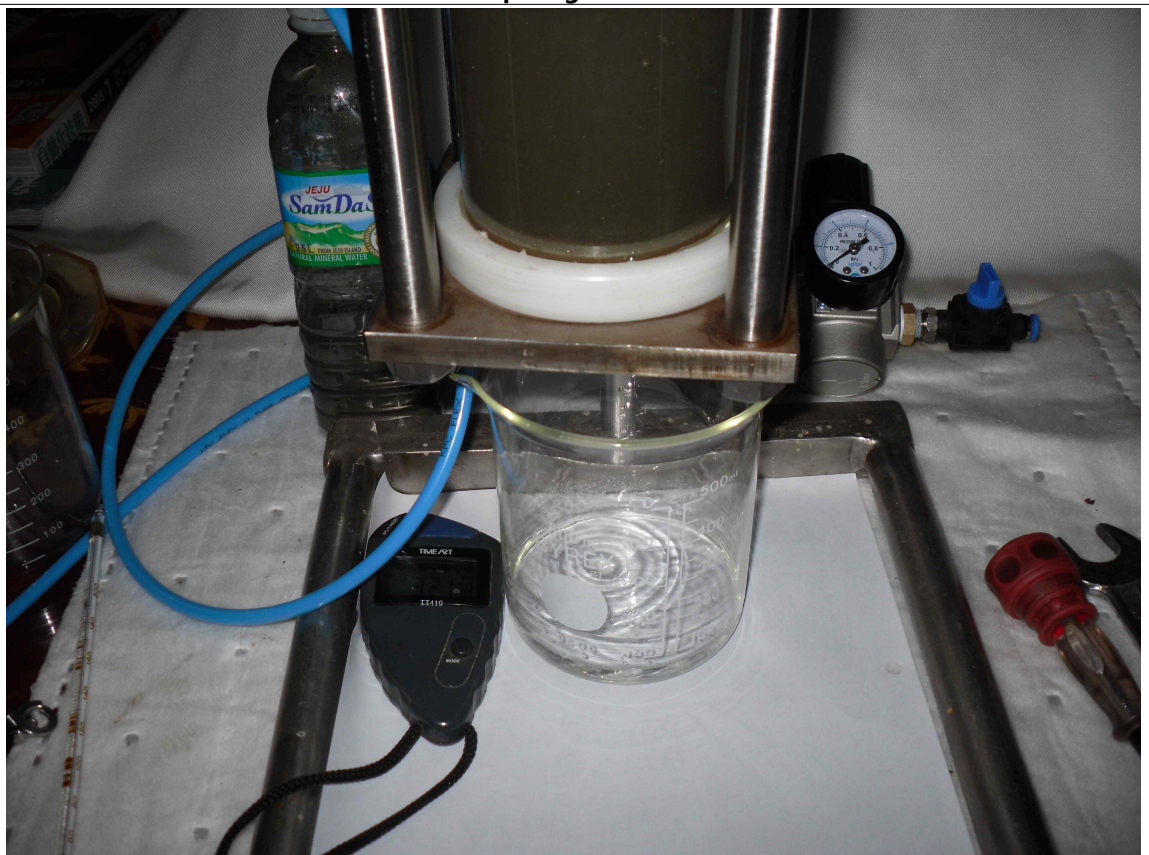
Air Supply Equipment : Air Compressors, 15Horsepower



WOORYOUNG
ENGINEERING Co., Ltd



Preparing for test



Press filtration(3min 21sec)



We are Young

WOORYOUNG
ENGINEERING Co., Ltd



Complete dehydration



Moisture Measurement



WOORYOUNG
ENGINEERING Co., Ltd