HOW TO SEND US YOUR SAMPLE MATERIAL:

The sample material should be a representative sample suitable packed and clearly marked (sender/consignee).

BATCH MILLS:

 Determination of Work Index according to Bond for ball and rod mills

50 kg but at least 30 kg

CONTINOUS GRINDING MILLS:

Wet grinding with continous grinding mill with cyclone or sieve

Minimum: 2 tons

Dry grinding with continous grinding mill with air separator

Minimum: 5 tons

Testing process only with air seperators

Minimum: 500 kg





Unsere Kunden sind unser Erfolg. Our cetents was our au coasts. Neather Kunden sind unser Erfolg view das Unsere Kunden sind unser Erfolg view das Viewer eine Kunden sied on Erfolg viewer eine Kunden sied von Erfolg viewer eine Kunden sied von Erfolg viewer eine Stellen sied von Erfolg von Erfol

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TECHNIKUM

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EQUIPMENT AND MACHINERY

- _ Determination of grain size
- Manual sieve 300 x 300 according to DIN 4188
- Sieve Ø 200 x 50 according to DIN 4188
- Air jet sieve Alpine 200 LS-N
- Mastersizer 2000 Malvern
- Blaine measuring device

1.2 Determination of mass

- AND Laboratory balance GX 6100
- AND Analytical balance GR 200
- AND HV 200 KGL
- Sartorius labaratory balance LP 620 P
- Crane balance Kern HUM 3000 L 1000

1.3 Determination of density

- Bulk density test vessel 1 litre and 10 litres
- Micrometeritics Pycnometer small, middle, large

1.4 Determination of humidity

- Moisture analyzer MX 50
- Drying cabinet TK/L 4105

1.5 Grinding/Crushing

- BOND mill (for balls) LM 0303
- BOND mill (for rods) LM 0306
- Batch mill LM 0504 12
- Batch mill LM 0809 70-100

Batch mill LM 0504 12 iron free (Al₂O₃)

- Continuous wet grinding mill PA 0607 with hydro cyclone Vertical roller mill VM 20
- Continuous dry grinding mill PA 1,2 x 3,0 m with 2 air seperators
- Zeisel mill (under construction)
- Laboratory jaw crusher BB 200





2. OUR TEST FACILITY CAPABILITIES INCLUDE:

EXAMINATIONS, DETERMINATIONS AND DESCRIPTION OF SEAL AND POROUS ROCK GRANULATIONS:

- specific grain fractions by crushing (N) Examination of rock granulations by fragmentation into
- Determination of Work Index according bond (Bond test)
- Description of sampling
- Examination of surface humidity (Thaulow-procedure)
- **Examination of humidity**
- **Examination of grading**
- Examination of particle shape
- Examination of bulk density
- Examination of grain gross density (drainage procedure)
- Examination of drainable components (wash procedure)
- Examination of resistance against frost
- Examination of water absorption of porous rock granulations
- Examination of Sulfate content (N)
- **Examination of Chloride content (N)**

LIMESTONE AND OTHERS): **EXAMINATIONS, DETERMINATIONS AND DESCRIPTION OF FINE** AND SUPER FINE ROCK GRANULATIONS (CEMENT, CLINKER,

- Examination of grain size distribution by sieve analysis
- specific surface according to Blaine Examination of grinding refinement with determination of
- Examination of bulk density (according to Boehme)
- Examination of density (pure density)
- Examination of humidity by humidity tester
- Examination of annealing loss (up to 1.300°C)
- Determination of space stability

SPECIAL EXAMINATION IN THE RANGE OF REPROCESSING TREATMENT AND RECYCLING:

- Recycling glass
- Waste material
- Waste from dust
- Waste products from foundries

ÿ. **GRINDING AND SEPARATION TEST PLANT**

- sulting sieve characteristic and necessary energy grindability related to the throughput, to the re-Examinations and investigations of minerals on consumption in the open dry circuit.
- grindability related to the throughput, to the re-Examinations and investigations of minerals on consumption in the closed dry circuit. sulting sieve characteristic and necessary energy

Examinations and investigations of minerals on

grindability related to the throughput, to the re-

- grindability related to the throughput, to the re-Examinations and investigations of minerals on sulting sieve characteristic and necessary energy consumption in the open wet circuit.
- Examination of seperation ability / grinding fines sulting sieve characteristic and necessary energy cyclone). with separation (air separator / cyclone / Hydroconsumption in the closed wet circuit.

