

ReSiTec Pilot: Crushing and Milling

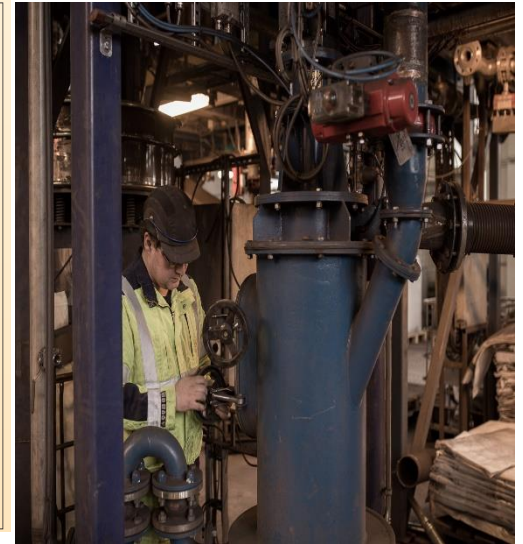
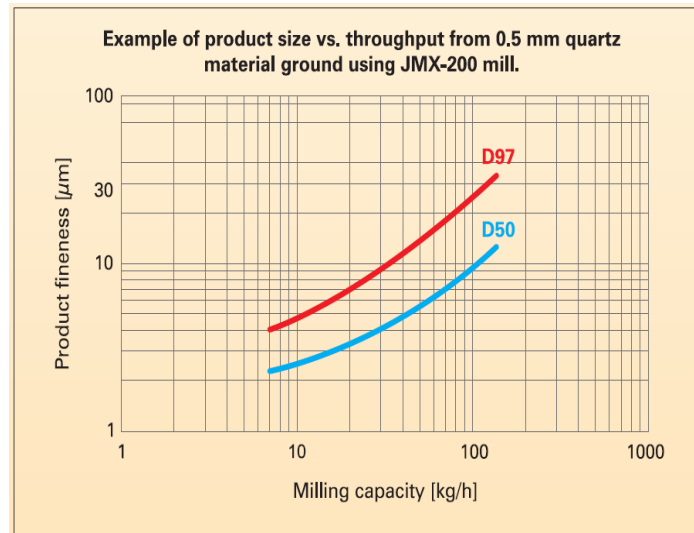
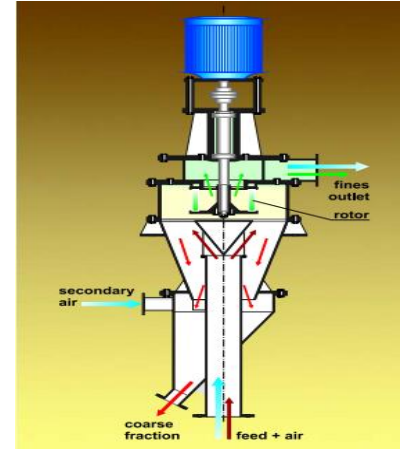


Crushing :

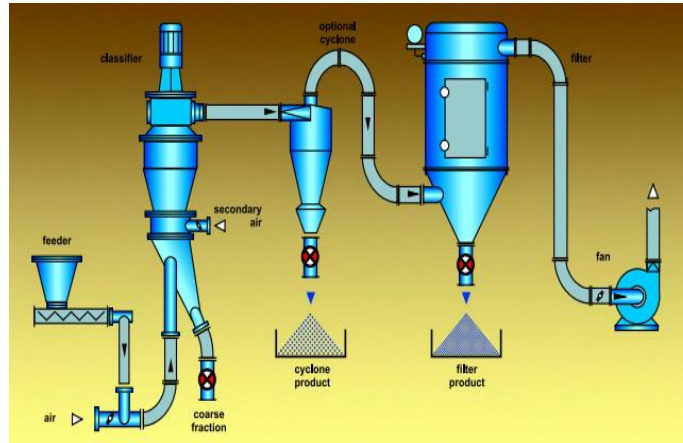
- Jaw crusher
- Cone crusher
- Rotopactor

Milling:

- Rod milling (wet) down to 75 μ m
- Ball milling (dry)
- Jet milling (also in inert atmosphere) down to 2 μ m



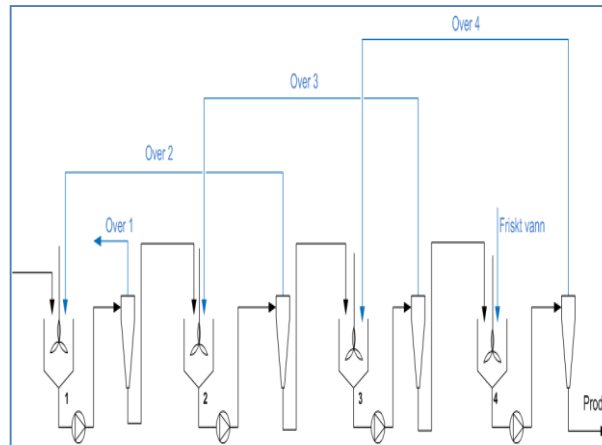
ReSiTec Pilot: Classification of powder



Dry classification



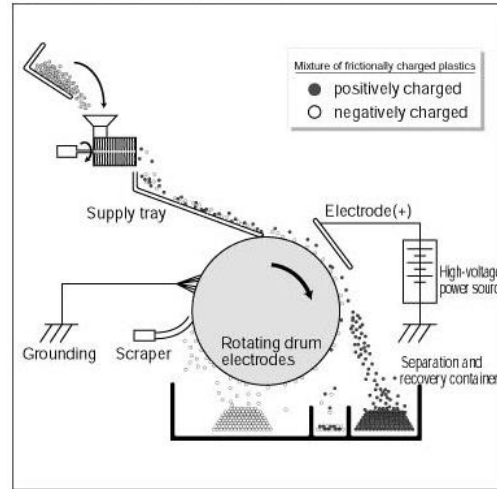
Sieving systems



Wet classification and hydro cyclons/HC-batteries



ReSiTec Pilot: Magnetic and Electrostatic separation



Electrostatic separation:
-Separation between conductive and non-conductive particles



Magnetic separation (dry):
-Separation between magnetic and non-magnetic particles

ReSiTec Pilot: Chemical Treatment and Flotation



Flotation:

- Removal of hydrophobic impurities
- 20 μ m-300 μ m in minerals or metals



Chemical Treatment:

- Treatment of particles in acid/base to remove impurities, including neutralization, dewatering

ReSiTec Pilot: Crushing and Milling



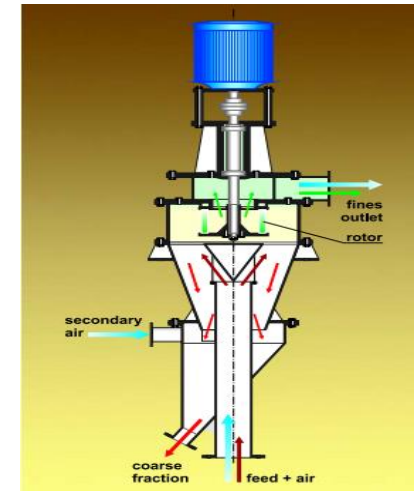
Crushing :

- Jaw crusher
- Cone crusher
- Rotopactor

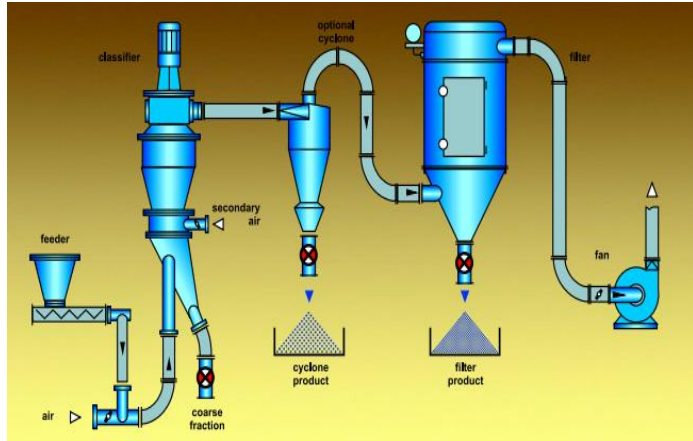


Milling:

- Rod milling (wet) down to $75\mu\text{m}$
- Jet milling (also in inert atmosphere) down to $2\mu\text{m}$



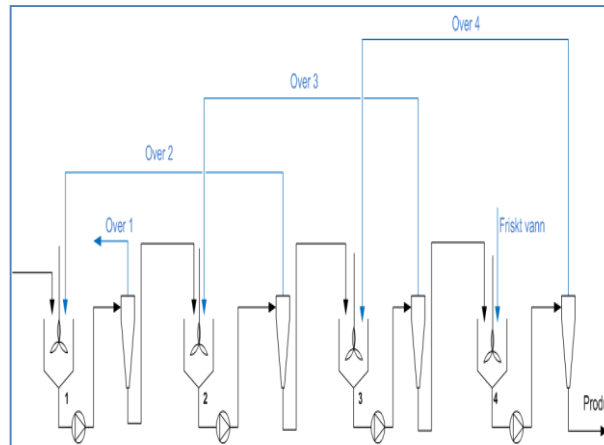
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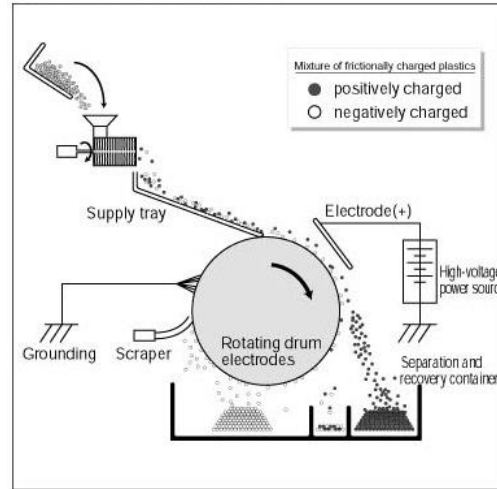


Sieving systems



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ReSiTec Pilot: Chemical Treatment and Flotation



Flotation:

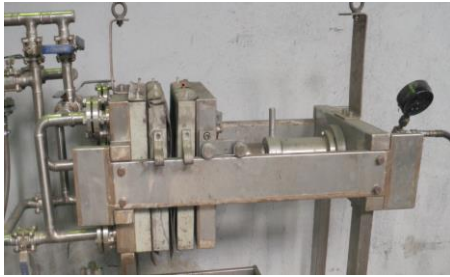
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ReSiTec Pilot: Dewatering and drying systems



Dewatering:

- Filterpresses from 2 to 1000 kg
- Continuous drum filtering



Drying systems for powders:

- Rotating drum dryers
- Rotating vacuum dryer
- Vibrating plate dryer

FUTURE MATERIALS - piloting center

FUTUREMAT AS is a company partly owned by Resitec offering a broad range of piloting opportunities to all kinds of industries, projects and similar.

Scope – Materials for the future

