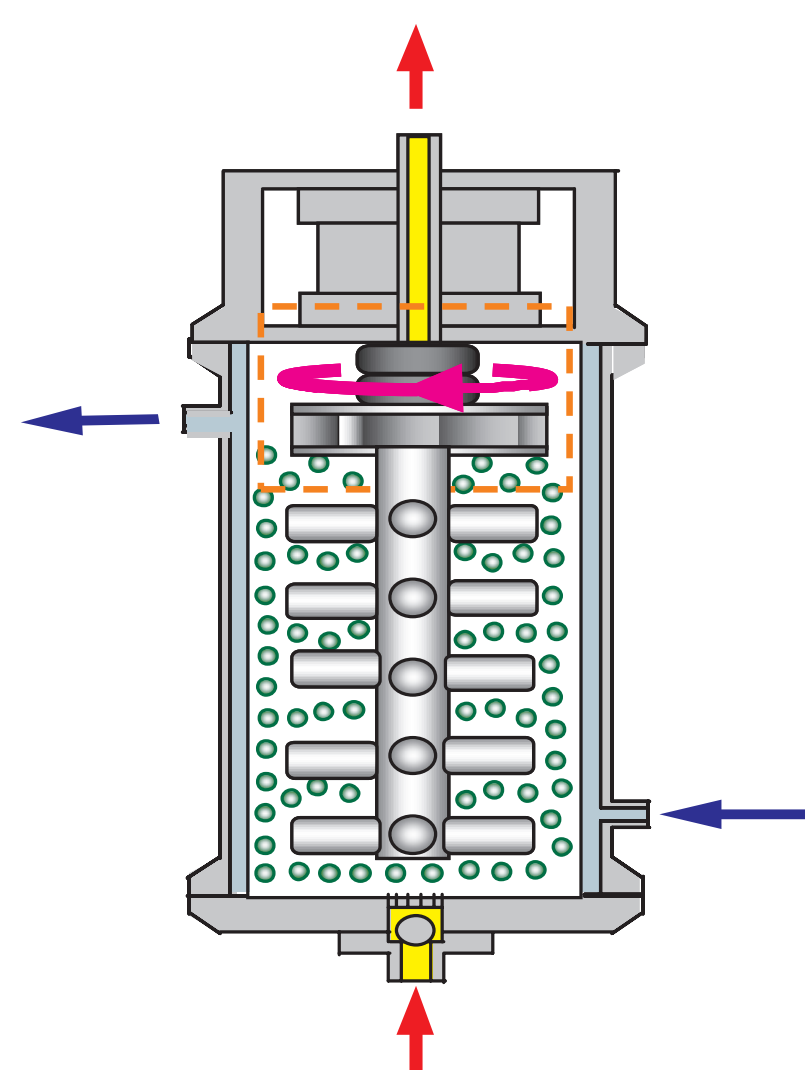


Nano-dispersing Machine for agglomerated nano particles

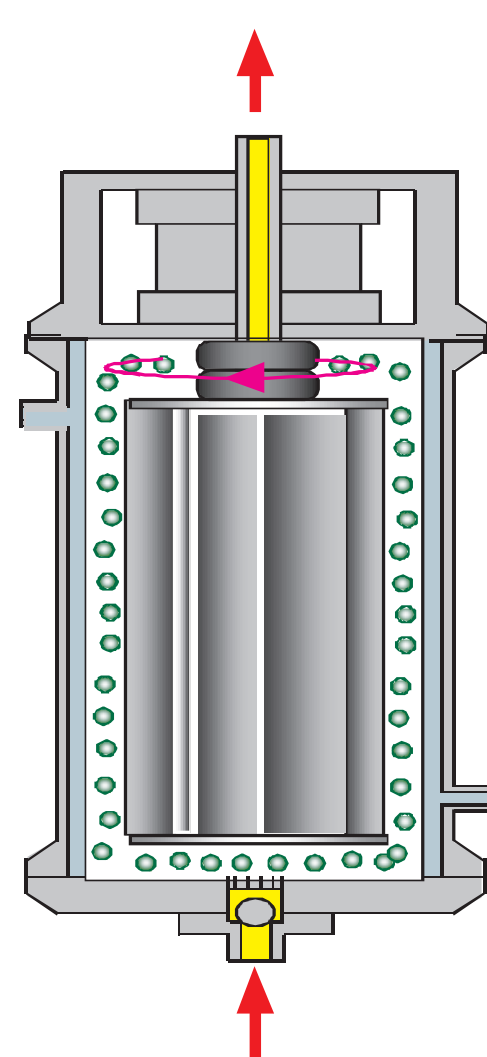
Beads mill available small beads

Ultra Apex Mill

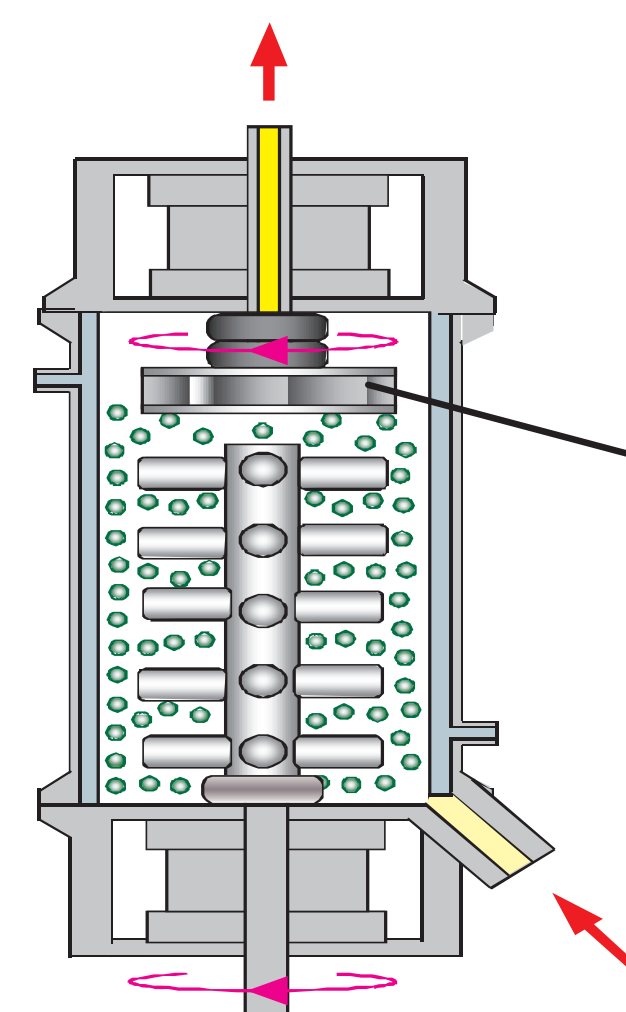
3 kinds of model



Ultra APEX MILL

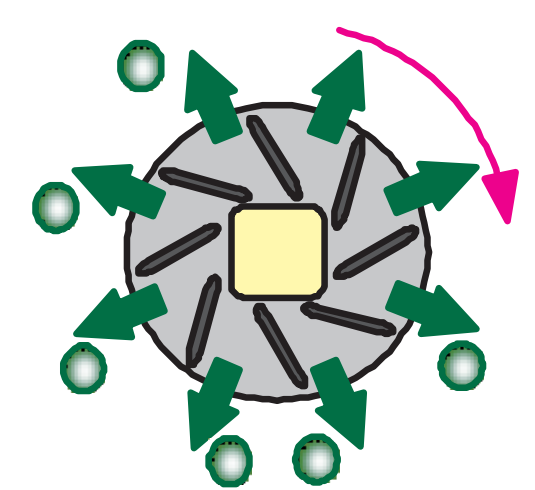


Whale length Sepa
APEX MILL



Dual APEX MILL

Beads separating method



Small beads separated with
this device employing
centrifugal force

Summary

This is a machine which has realized the nano particle dispersion for the first time in the world.

That is the reason why this mill can use the small beads due to employing centrifugal force for beads separation, then realized the low share for nano particles.

Features

- High dispersibility in nano size particles
- Maintaining the property of nanoparticles
- There is almost no thermal influence for materials
- The stable running without clog
- Maintenance including the peripheral equipment is hardly needed
- Pre-mixing is hardly needed

Application

Chemical, Electric, Metal, Electric parts, Cosmetic, Ceramics, Ink, Organic pigment, Medicine

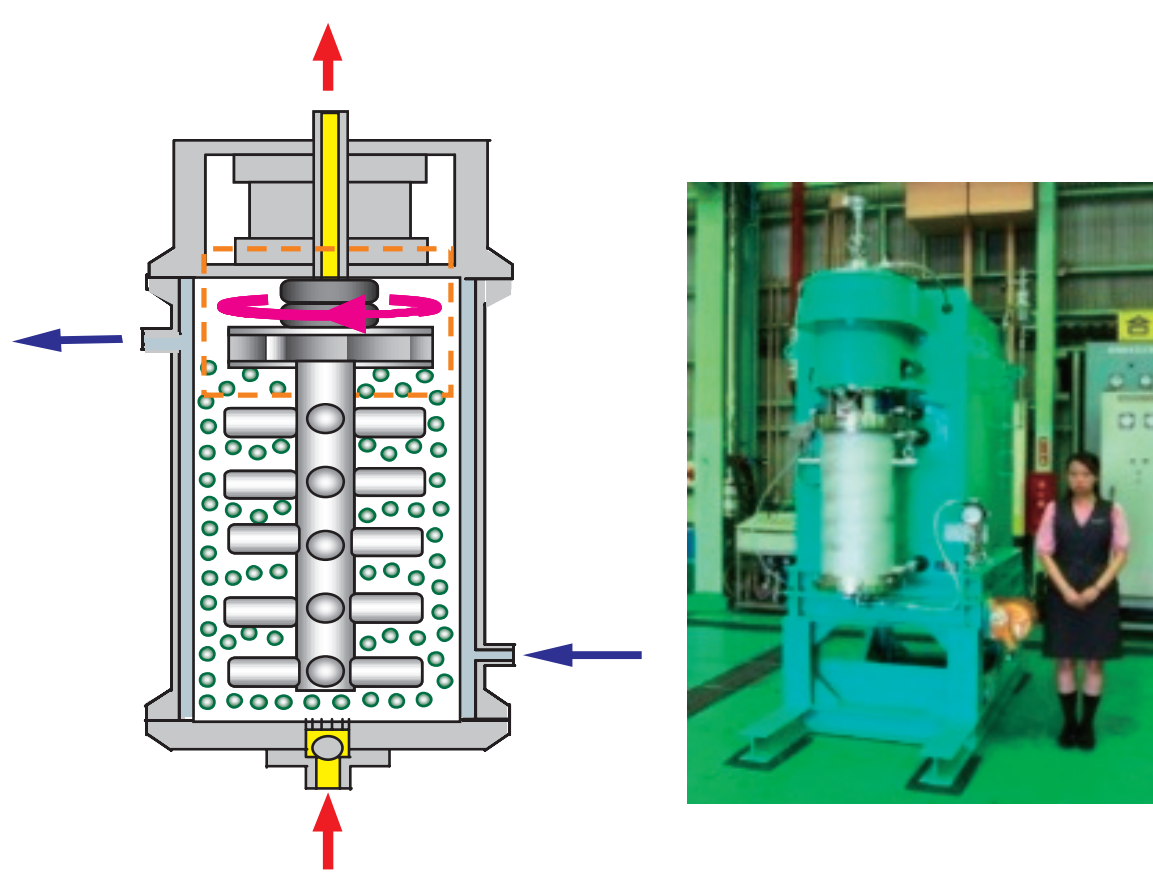
Nano-dispersing Machine for agglomerated nano particles

Beads mill available small beads

Ultra Apex Mill

3 kinds of model

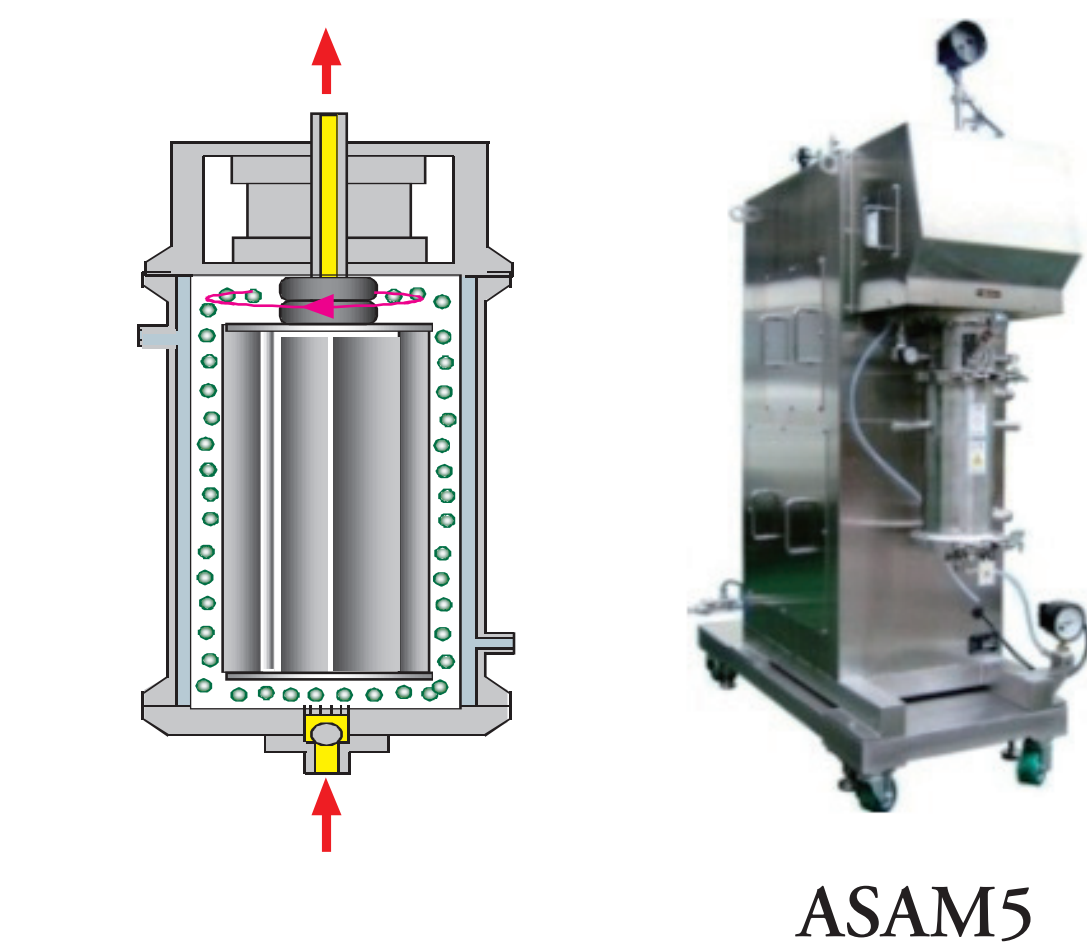
Ultra Apex mill Standard | The first machine that has realized nano dispersion in the world



Centrifugal separation

| Mechanism | Application | Usable beads | Rotor speed |
|--|-------------------------|-----------------|---------------|
| Rotor : Agitator and separator on the same shaft | For almost materials | 0.015 ~0.5mm | 6~12m/ sec |

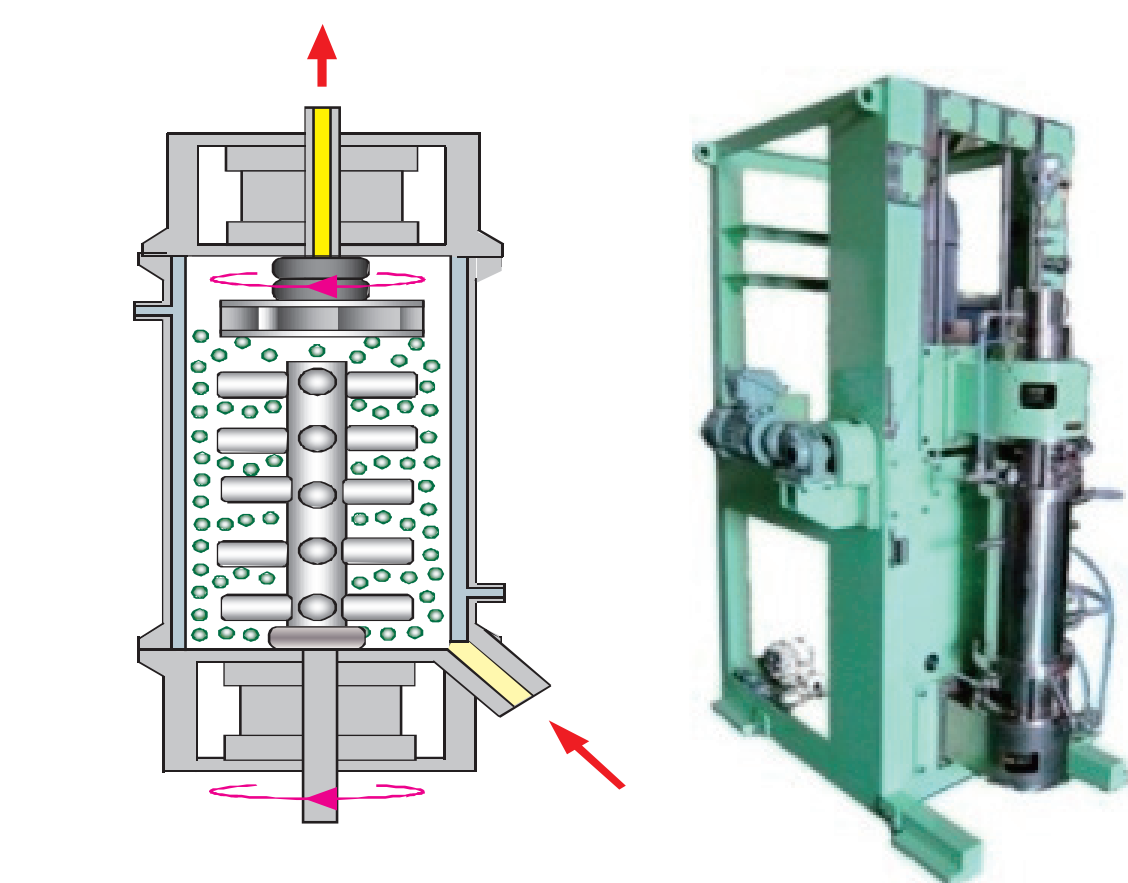
WL-Sepa APEX MILL | Whole length Separator on one shaft



High throughput type mill

| Mechanism | Application | Usable beads | Rotor speed |
|---|---|-----------------|---------------|
| Rotor : Whole length separator operates as both agitator and separator . | For materials easily dispersed under high throughput | 0.015 ~0.5mm | 6~12m/ sec |

Dual APEX MILL | Separator and Rotor are independent on two shafts



Low energy type mill

| Mechanism | Application | Usable beads | Rotor speed |
|---|---|-----------------|---------------|
| Rotor and Separator independently derived by two shaft. | For Soft materials Beads impulse can be set very low. | 0.015 ~0.5mm | 3~12m/ sec |