

Nanoparticles Processing Equipment 奈米粉體生產設備

A variety of nano-particle processing equipment, including functions like grinding, dispersing and high-pressured homogenizing, are developed for mass production of particles under 100 nm in size.

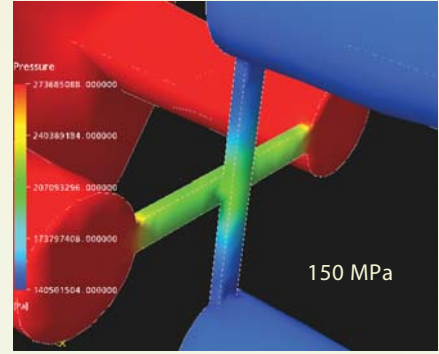
工研院已開發出奈米粉體生產設備，包含0.3~1.6 L 高加工能量密度的研磨分散設備、和高壓均質設備，可以量產粒徑100 nm以下的奈米粉體。



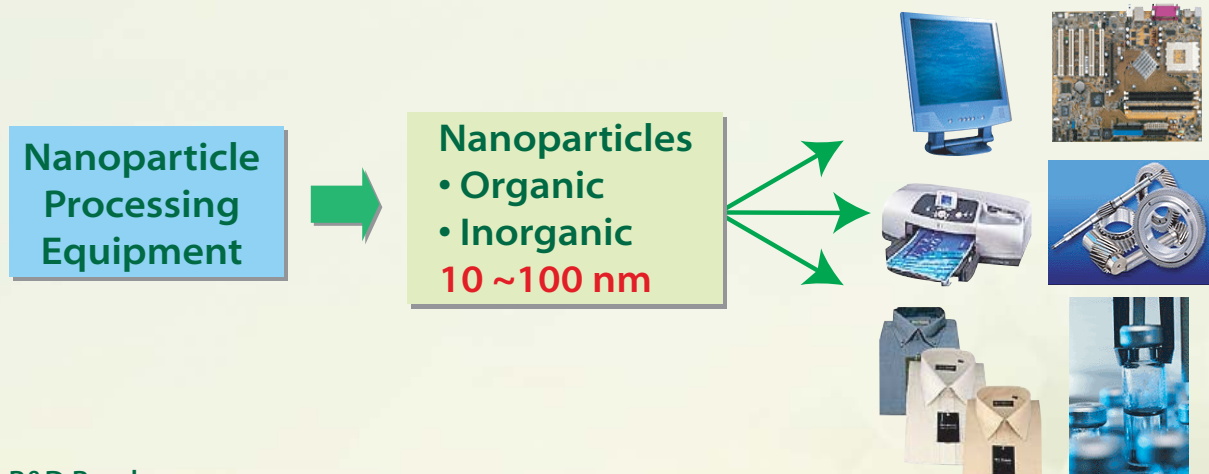
0.3 L grinding and dispersion equipment prototype
(2004, 03)



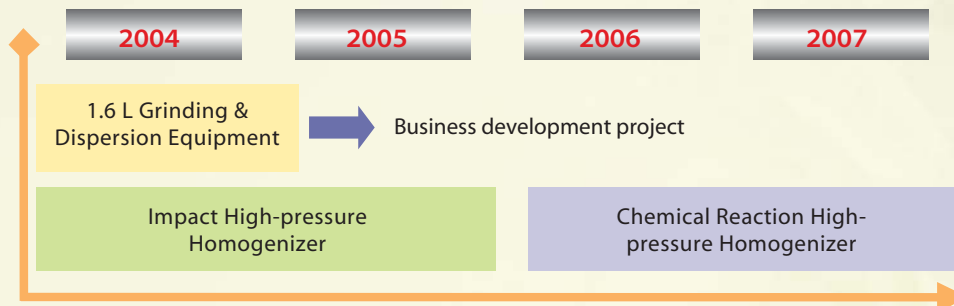
1.6 L grinding and dispersion equipment prototype
(2004, 05)



Computer simulation of pressure in high-pressure homogenizing valve
(2004, 03)



R&D Roadmap



Applications

- Ink & Paint
- Cosmetics
- Coating
- Data Storage
- Optical & Display
- Energy
- Pharmaceuticals
- Food
- Biodetection