The Latest Size Reduction Technology For Color & Monochrome Toners

by Dr. Satoshi Akiyama Manager Nisshin Seifun Group Inc.

Dr. Carl K. Ishito General Manager Nisshin Engineering Inc. 1st Asia Imaging Forum 2006 in Kuala Lumpur, Malaysia

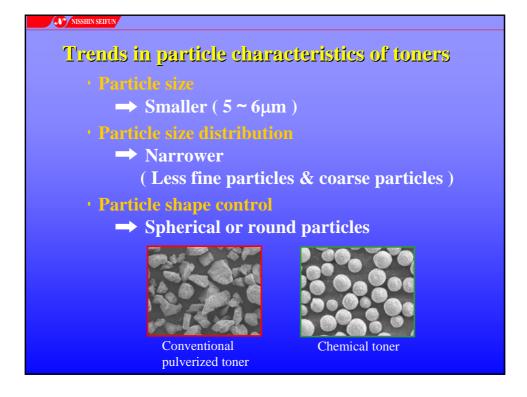
Place: Sunway Lagoon Hotel Date: June 30, 2006 (Fri.) Organizer: AIF

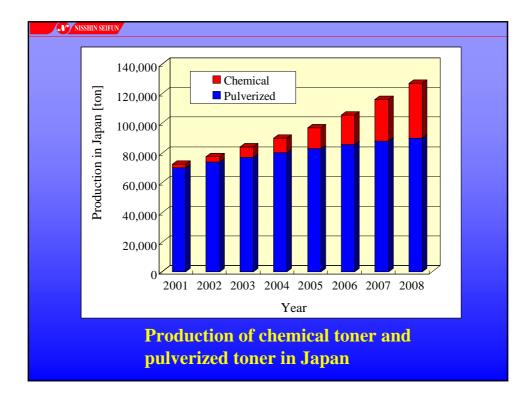
NISSHIN SEIFUN

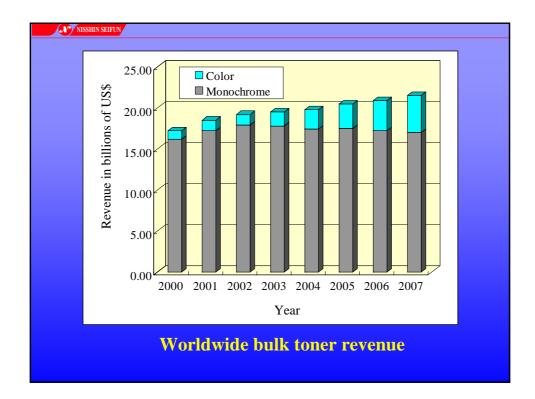
NISSHIN SEIFU?

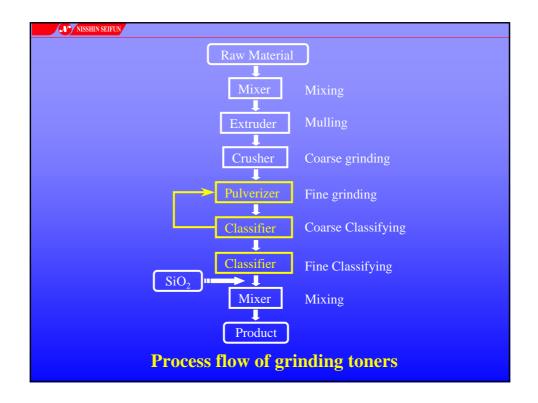
Content

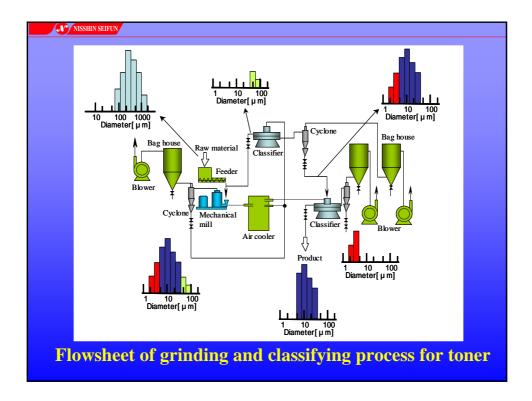
- Trends in particle characteristics of toners
- Market size and growth
- Improvement of grinding and classification processes
- New mechanical mill system for monochrome toners
- New jet mill system for color toners
- Future outlook

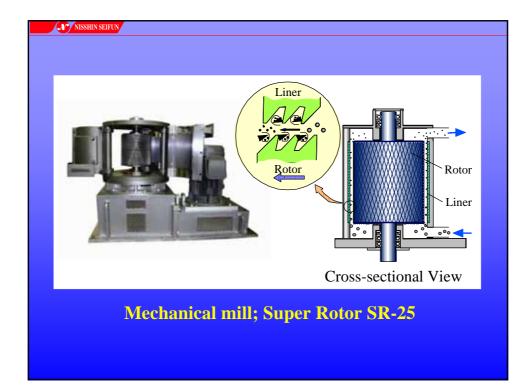


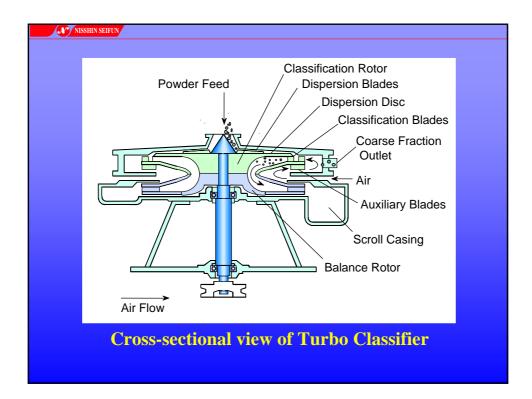


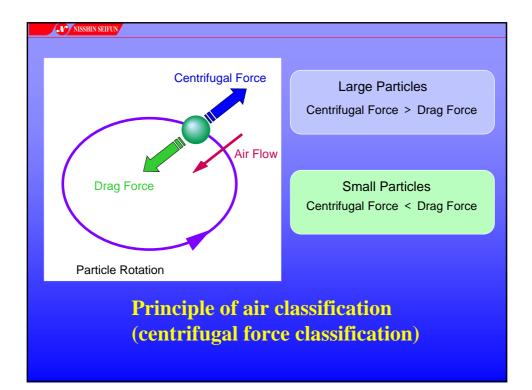


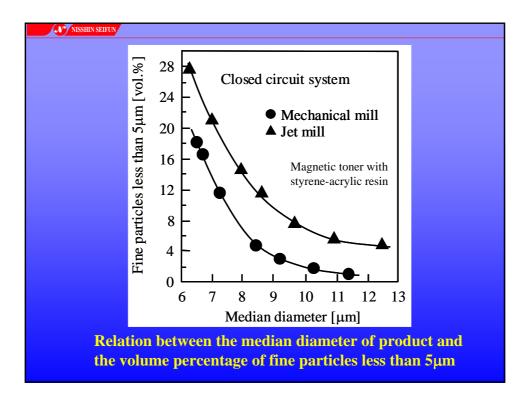


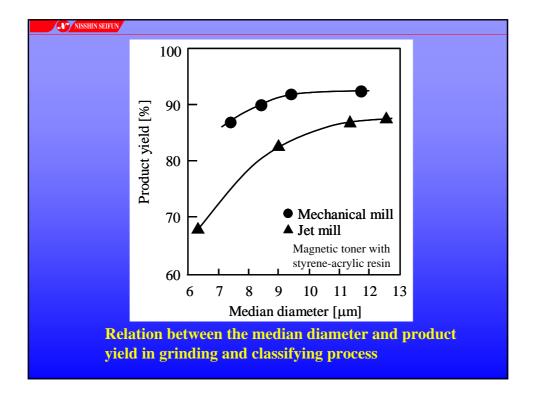


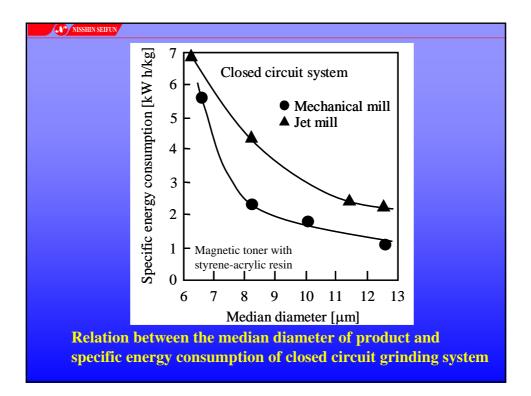


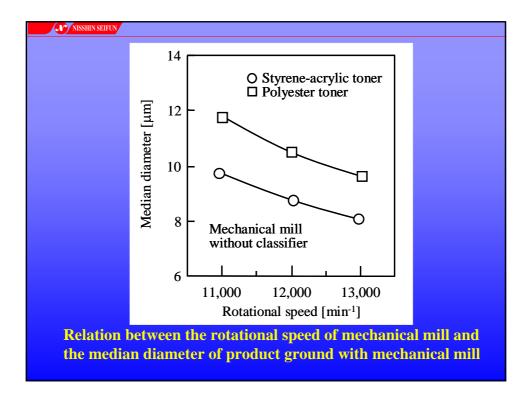


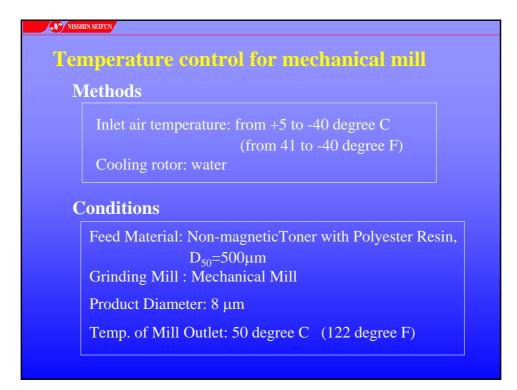


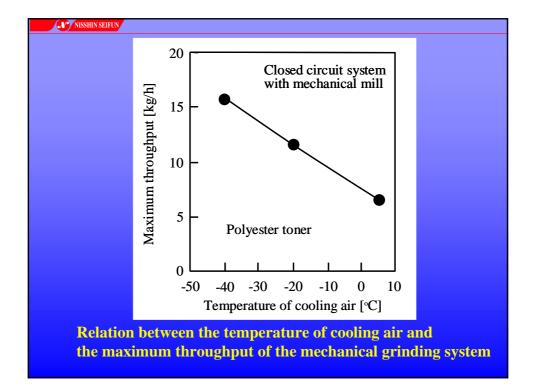


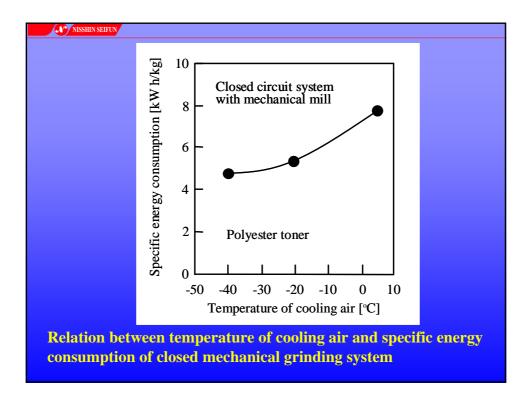


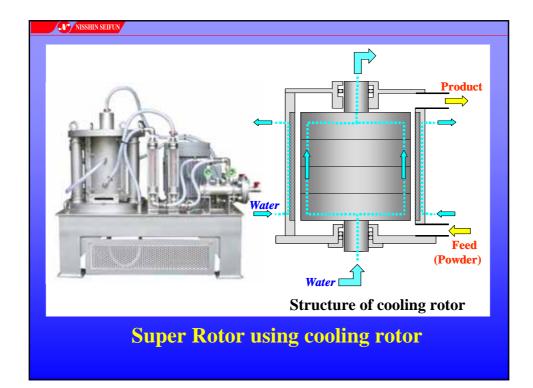


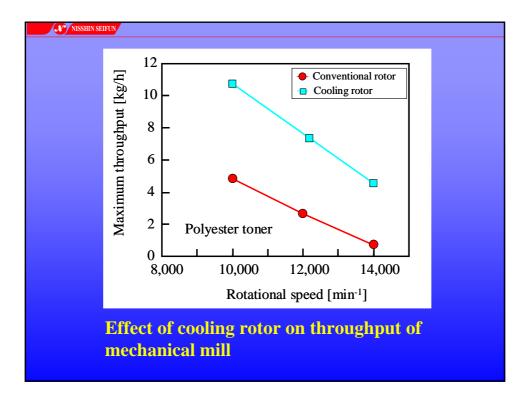


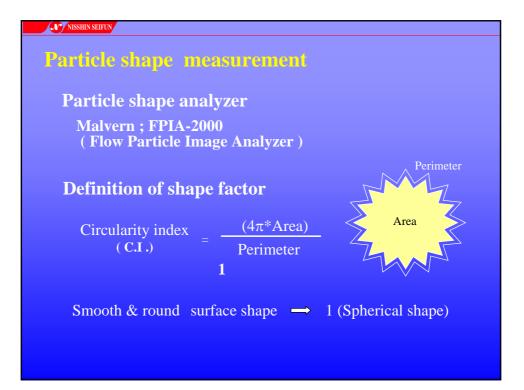


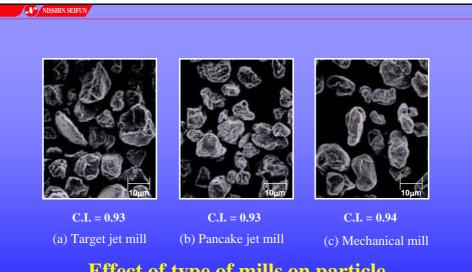








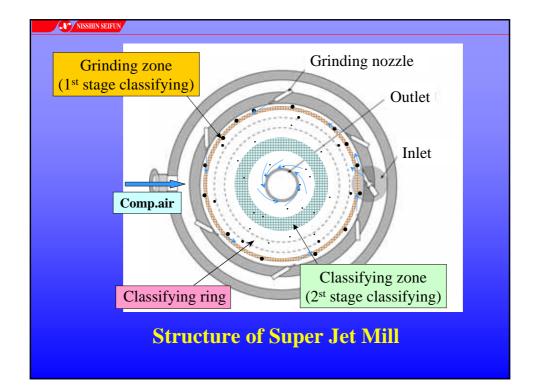


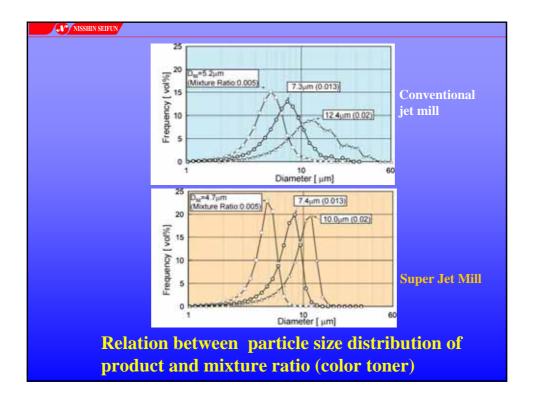


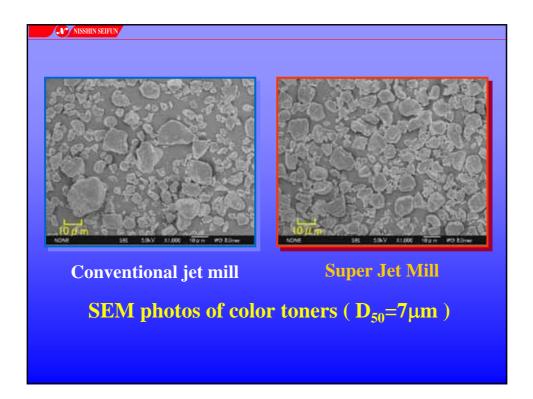
Effect of type of mills on particle shape of monochrome toners

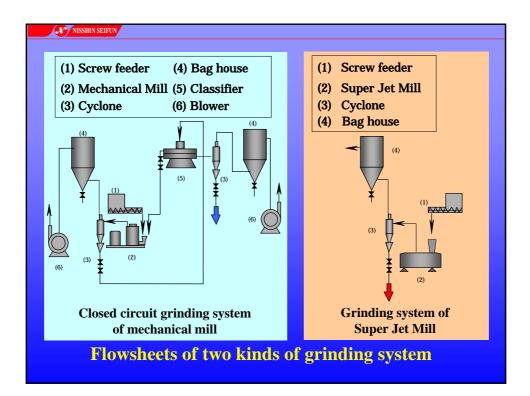


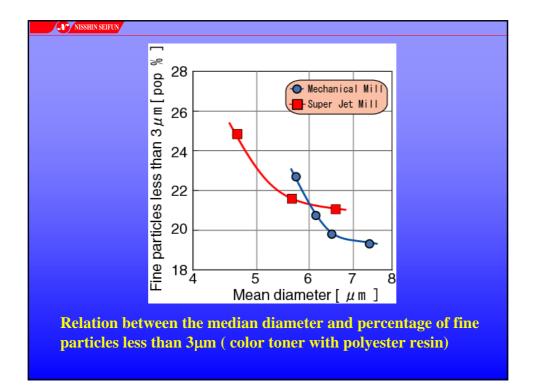


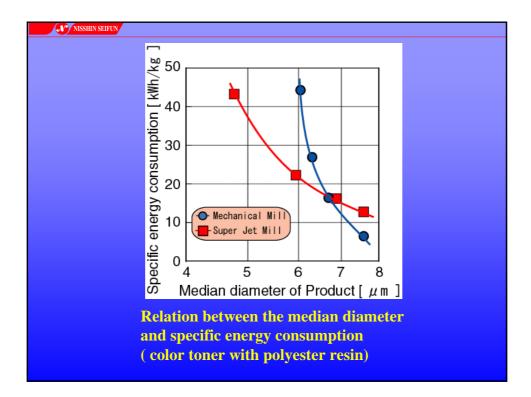




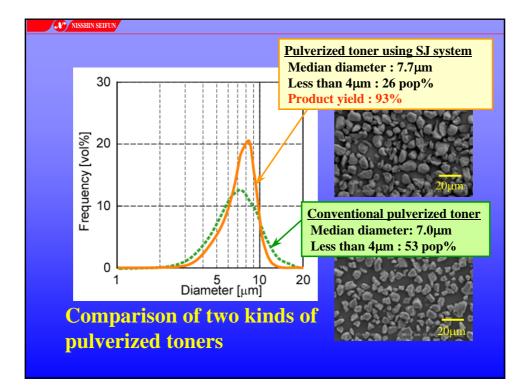


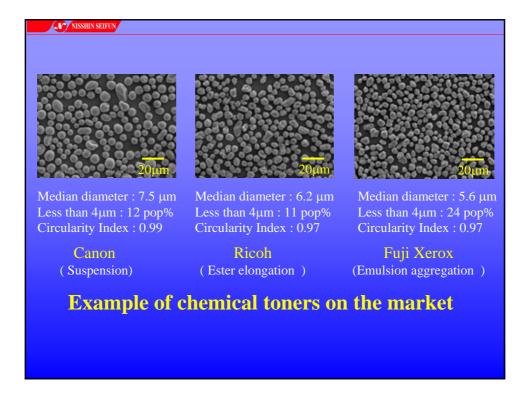


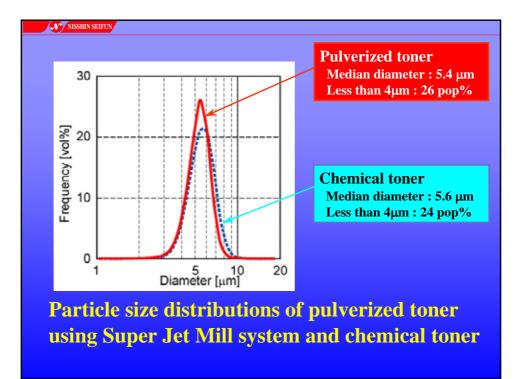


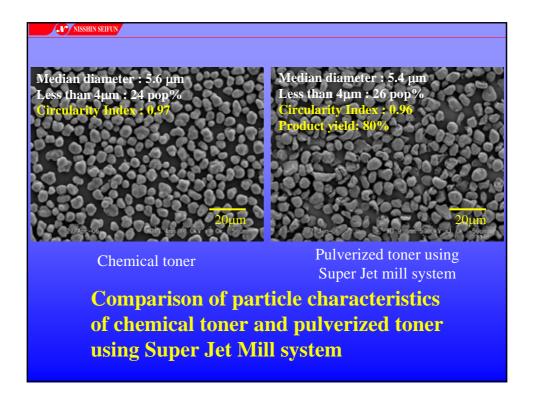












NISSHIN SEIFUN

Conclusions

- 1) In order to save energy and running costs, it is important to use a suitable grinding machine for particle size and characteristics of toners because it consumes a lot of energy compared with other machines.
- 2) Using grinding and classifying technologies, it is possible to produce toners similar to chemical ones in particle shape and size distribution.

