

Introduction

The purpose of this research is to create data in order to grasp the market trend and the future prospect of each functional materials (substance) in the fine ceramics sector.

At the same time, it intends to show the feasibility of making inroads to the sector, by elucidating users' trend relative to various functional materials (electronic materials) as well as by evaluating super fine particles.

In anticipation of the difficulties you might encounter with and to realize quick and effective product development for smoother participation in the market, advisable measures would be:

- 1) Develop new-core products derived from the interfacial area between petrochemicals and specialty chemicals.
- 2) Put emphasis on peripheral substances, not on fine ceramics itself.

The reasons are:

- 1) No invention or discovery made in the fine ceramics field for the last ten to twenty years.
- 2) Though attracting attention, fine ceramics applications have been limited to electronic components, as supplemental parts.

Fine ceramics automobile engine and artificial bone still require another step before practical use as established products.

- 3) Since cost performance is the most severe requirement with the electrical equipment, an epochal development or an amazing low price is considered as being the must for a new entry into the market.