

# Dynamic Research

Originally, Taihei Chemical started as a manufacturer of raw materials for chemistry and industry, particularly phosphate compounds. However, the

company has continually expanded its operation, advancing into a number of new fields through development, manufacture and marketing of products such as activated carbon, food additives, and raw materials for ceramics. This has been made possible by Taihei Chemicals research division with its advanced capabilities and flexible approach to challenges.

The major feature of Taihei Chemical's research division is its direct connection with the production division. At present, the research division is located within the company's the Kasugai plant near Nagoya and Nara plant. This allows each research project to be organized in close co-ordination between researchers and manufacturing technicians, giving rise to a string of new products and technologies.

Another characteristic of the research division is the youth of the staff who work there, with an average age of 31. A free atmosphere for researchers encourages creative thinking and, backed up with rich company experience, has led to high technology and successful product development. Our research division, based on its proud achievements, is challenging new fields to improve tomorrow's society.



Challenging the Future With Youth and Imagination.





# Quality Production

Products manufactured by Taihei Chemical have earned a high international reputation in the industry. Enquiries come from leading manufacturers all

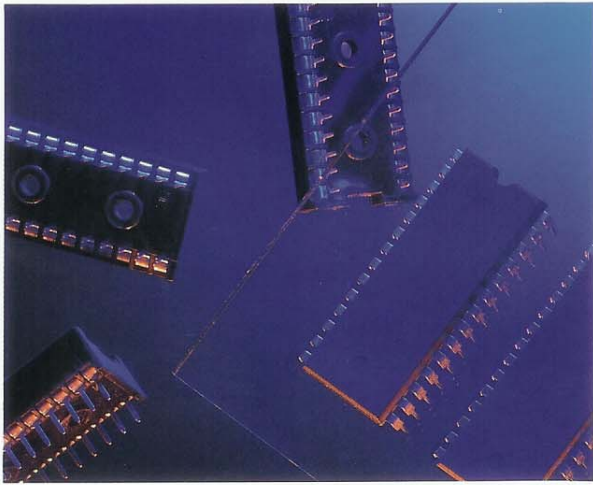
over the world, and in a sense the company's products have become well known virtually as brand names. This is a result of efforts in a variety of areas, such as reliable customer service and advanced research and development capabilities. However, the major reason lies in a well organized production division that turns out distinctively high quality products.

Strict quality control, offering a high degree of purity and quality in diverse product lineup, coupled with well-planned production and reliable delivery, yields high added-value products. At present the Nara plant is responsible for the manufacture of crystal products such as calcium salts. Especially, the tri-calcium phosphate apatite manufacturing process used at the plant has attracted attention both from within Japan and overseas, due to its large scale and use of the very latest manufacturing methods and equipment.

The Kasugai plant on the other hand is in charge of manufacturing hypophosphites and polymerized phosphate products such as sodium phosphates. In particular, the sodium hypophosphite manufacturing facilities are the world's largest to date. The company is also manufacturing and developing ceramic products in collaboration with Taihei Yogyo Yakuhin, an associated company.



Modern, world class manufacturing facilities turn out high quality products.





# Vital Products

Since its founding in 1946, Taihei Chemical Industrial Company has steadily grown, and in the process established a fine record in the industry. These past

forty years have been a period of opening new paths for technologies and markets. Reviewing its founding, one notes a number of epoch-making products that contributed to today's success of the company.

One of these is tri-calcium phosphate, first manufactured during the extreme economic growth of the 60s. Tri-calcium phosphate is an essential raw material for plastic products and technological developments in plastics inevitably played an important role in this rapid growth. Another major product has been activated carbon. Improved living standards and hygiene awareness has increased the demand for deodorants. And with the boom in natural foods, there was a greater demand for good-tasting, odor-free water. Activated carbon manufactured by Taihei Chemical gained wide support due to its excellent quality. And then there is sodium hypophosphite. Essential to chemical plating, which requires precise and advanced technology, this substance has attracted a lot of attention of the industry. In this field as well, Taihei Chemical has won a reputation for definite reliability.

Taihei Chemical has grown with the times, and has continued to provide products which the times have required.

Following the trends, Taihei Chemical continues to create new technologies and new trust.

! Youthful energy and experience, together with flexible thinking, give rise to new products.

! The production division boasts a beautiful location and the latest in equipment.

! Stretching the limits of possibility, Taihei Chemical's product lineup is continually expanding.

! The sales department's depth of specialized knowledge and sincerity have earned the customer's trust.

## 1. Phosphate Products

These have a wide range of applications, for example, as quality enhancers for foods such as hams and sausages, as mineral sources, and as raw materials for toothpastes and detergents. They form one of Taihei Chemical's major product lines.

## 2. Other Pharmaceutical Ingredients

These include activated carbon that is a deodorant ingredient, and magnesium stearate, used as lubricant in drugs which have earned us a fine reputation in the pharmaceutical industry.

## 3. Materials for the Ceramics Industry

These products are handled mainly by Taihei Yogyo Yakuhin, an associated company of Taihei Chemical. The company's top class porcelain clay has earned high praise from within Japan and overseas.

## 4. Medical Related Products

The company produces a variety of products in response to the needs of customers, especially products for use in medicine and dentistry.

A wide range of products vital to today's society.