



Porcelain bathtub manufacturer utilizes Spectrophotometer

Taking full advantage of its small body and compact measuring head.

Background

Previously, this company manufactured both the cast porcelain bathtubs and the porcelainized steel sheet parts which are attached to the front of the cast porcelain bathtubs. However, the porcelainized steel sheet parts are now purchased from an outside supplier. Therefore, it has become necessary to check the color of those parts in the reception process, so that the color of the purchased parts matches the color of the bathtub bodies.

Outline of the measurement process

The outside supplier has the same color samples as this manufacturer, and checks the color difference from that of the samples. When a new color is produced, production samples are actually attached to the porcelain bathtubs, and the completed assemblies are carried to an inspection room equipped with various standard light sources. There, the color is evaluated by eye and the numerical tolerance values of color control are determined by measuring the color. When receiving materials or examining a new color, the porcelain is checked by firing it on a small plate. In addition, there have been cases when Spectrophotometer was used to deal with objections at the location where the porcelain bathtub has been installed.



Demonstrating the CM-2002



Overall view of the inspection room

Results

- It allows stricter management of the porcelain materials, and it also becomes possible to control the product with numerical values. (The quality of the purchased articles has become stable and negotiations with the supplier have also become smooth.)
- It is able to provide clear explanations in response to complaints from customers. (Once, there was a case when some porcelain bathtubs which were installed in a hotel were complained about. However, by measuring the color on the spot, it became clear that there was no need to adjust the color.)

[Process of manufacturing porcelain bathtubs]

