

Greetings on receiving

The 2015 Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology of Japan



The Prize for Science and Technology was awarded for

Enhancement of the Accuracy of Standardized Blocks for Hardness and Development of the Equivalent Indentation Depth Hardness Test

to : Takashi Yamamoto , Yamamoto Scientific Tool Laboratory Co., Ltd.

Achievements

Hardness tests have developed as an essential technology for developing new materials and manufacturing products while ensuring their high performance and reliability. Hardness test blocks, which show highly uniform hardness values, are used worldwide to confirm the conditions of hardness testing machines and verify their test results. Lately, the increasing application of hardness tests to microstructures has diversified the type of hardness tests, resulting in considerable confusion.

The awarded achievements include the development of a test block for nanoindentation hardness testing jointly with the National Institute for Materials Science and the development of an “Equivalent indentation depth hardness test” that provides a single hardness scale for testing hardness in a wide range from the nano through the macro field.

These achievements contribute considerably to increasing the functionality and reliability of materials, thereby enhancing the level of manufacturing technologies.

Certificate



Medal (Prometheus' Fire)



I feel extremely grateful to receive this honorable prize for our work.

We will make continued efforts toward the "Zero variance of hardness values of standard blocks" and would appreciate your continued support and guidance.

April 2015
Takashi Yamamoto