

## Introduction of Automatic Rockwell Hardness Testing Machine

Nippon Yakin Kogyo Co., Ltd. (the "Company") announces that it introduced a new automatic Rockwell hardness testing machine(\*) to Kawasaki Plant (Kawasaki-ku, Kawasaki City, Kanagawa) in August this year.

\* Rockwell hardness testing machine: One of the metal hardness measurement methods. The machine presses an indenter against a specimen at a certain load and calculates its hardness based on the depth of the dent created.

The Company's conventional hardness testing machine required human intervention at multiple points during the testing process (test instructions, implementation, and result input). To improve reliability of test data, it was required to improve the testing system, including with automation.

The automatic Rockwell hardness testing machine the Company introduced this time loads test conditions and standards, etc. from an upper-level system, implements automatic measurements, and sends the test results to a predefined server or terminal automatically. This eliminates human interference during the processes from test instructions to result input, enabling a further improvement in the reliability of test data. In addition, the automation reduces human workloads, which leads to labor saving.

The Company is conducting various types of tests and inspections in each process. To make the work more efficient and to improve the reliability of tests results, it will work on to further upgrade the testing system and reinforce the quality assurance system.



Automatic Rockwell hardness testing machine (For safety, it is enclosed with a steel frame and glass doors.)

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