

## **ABSTRACT**

A deterioration prediction device for a magnetic material is provided with: a magnetic sensor configured to detect a magnetic field affected by a magnetic body (W) as an inspection target and outputs a sensor signal; a deterioration score calculation means (51) configured to calculate a deterioration score indicating the degree of deterioration of the magnetic body based on the sensor signal; a deterioration score storage unit (41) configured to store the deterioration score; a deterioration prediction model storage unit configured to store a deterioration prediction model indicating a change in the degree of deterioration; a deterioration prediction model update means (52) configured to update the deterioration prediction model to acquire an updated deterioration prediction model; and a deterioration score prediction means (53) configured to estimate a future deterioration score.