

## ABSTRACT

NOTCH DETECTION APPARATUS, RESIN MOLDING APPARATUS,  
PRODUCTION METHOD FOR RESIN MOLDED PRODUCT, AND NOTCH  
5 DETECTION METHOD

A notch detection apparatus includes a placing surface on which a plate-shaped target object having a notch is to be disposed, a sensor, and a processor. The sensor is configured to rotate about a predetermined rotary axis relatively along an  
10 outer peripheral edge of the target object disposed on the placing surface, and obtains a series of distance data along a circumferential direction by repeatedly measuring the distance from the rotary axis to the outer peripheral edge while rotating relatively along the outer peripheral edge. The outer peripheral edge of the target object, except for  
the area of the notch, extends along the circumferential direction to form  
15 predetermined repeated patterns. The processor divides the series of distance data obtained by the sensor along the circumferential direction into a plurality of groups corresponding to the repeated patterns, and detects the position of the notch by comparing the divided distance data between the groups.

(Fig 7)