WHAT IS CLAIMED IS:

1. A processing apparatus comprising:

a holding table having a holding surface for holding thereon a workpiece with a plurality of devices formed in respective areas demarcated on a face side of the workpiece by a plurality of projected dicing lines;

a processing unit that processes the workpiece held on the holding table;

an image capturing unit that captures an image of the workpiece held on the holding table;

a moving unit that moves the holding table relatively to the processing unit and the image capturing unit in horizontal directions along the holding surface;

a touch panel that displays thereon the image captured by the image capturing unit; and

a control unit that detects a line in an image positioned within an allowable region based on a contact line traced on the image displayed on the touch panel and that registers the detected line.

2. The processing apparatus according to claim 1, wherein

the line represents a contour of a pattern that indicates one of the devices in the image displayed on the touch panel, and

the control unit registers the pattern corresponding to the detected line, as a key pattern acting as a mark for detecting one of the projected dicing lines.

3. The processing apparatus according to claim 1, wherein

the line represents one of the projected dicing lines or a processed groove formed in the workpiece by the processing unit in the image displayed on the touch panel, and

the control unit registers the line as an image capturing route along which the image capturing unit that captures an image of the workpiece is to be moved relatively to the holding table.

4. The processing apparatus according to claim 2, wherein

a peripheral area of different contrast is registered in addition to the pattern.

5. The processing apparatus according to claim 2, wherein

the control unit automatically detects a position of the projected dicing line on a basis of a distance from a registered key pattern to the projected dicing line.

6. The processing apparatus according to claim 2,

wherein

a proportion of cases is calculated in which the contour of the image is determined to be present within the allowable region; and

the proportion is represented by a result obtained by dividing a number of times that the processing apparatus has determined that the contour of the image is present within the allowable region, by a total number of times that the processing apparatus has determined the contour of the image at positions on the contact line from a starting position to an ending position.

7. The processing apparatus according to claim 6, wherein

if the calculated proportion is larger than a threshold value, then the processing apparatus detects a contour of the image as a line and registers the detected line, and

if the calculated proportion is not larger than the threshold value, then the processing apparatus does not detect the contour of the image as a line.