

CUTTING APPARATUS

ABSTRACT

A cutting apparatus for cutting a workpiece includes a chuck table having a holding surface for holding the workpiece thereon, a cutting unit having a spindle with a cutting blade mounted on a distal end thereof for cutting the workpiece held on the holding surface, an image capturing unit for capturing an image of an outer circumferential portion of the cutting blade mounted on the cutting unit, and a determining section for determining the orientation of the cutting blade. The outer circumferential portion of the cutting blade includes a plurality of protrusions each having a first surface for scraping swarf off from the workpiece when the cutting blade cuts the workpiece and a second surface connected to the first surface. The determining section determines the orientation of the cutting blade mounted on the cutting unit, according to an image captured of the protrusions by the image capturing unit.

[FIG. 1]