

ABSTRACT

HEIGHT DETECTING APPARATUS AND LASER PROCESSING APPARATUS

A spectral interference height detecting apparatus includes a chuck table for holding a workpiece thereon and a height detecting unit for detecting the height of an upper surface of the workpiece held on the chuck table. The height detecting unit includes a light source for emitting light in a predetermined wavelength band into a first optical path, a condenser disposed in the first optical path for converging light onto the workpiece held on the chuck table, a beam splitter disposed between the light source and the condenser for splitting the light in the first optical path into a second optical path, a mirror disposed in the second optical path to form a basic optical path length, for reflecting light into the second optical path and returning light through the beam splitter to the first optical path.

(Figure 2)