

LASER PROCESSING APPARATUS

ABSTRACT

Disclosed herein is a laser processing apparatus including a laser beam applying unit having a processing head for applying a laser beam to a workpiece held on a chuck table, a moving unit for relatively moving the chuck table and the laser beam applying unit, a controller for controlling the laser beam applying unit and the moving unit, an input unit for inputting a desired processing result, and a three-dimensional imaging unit for imaging a processed condition of the workpiece held on the chuck table to form a three-dimensional image. The controller performs a processing conditions adjusting step of adjusting processing conditions so as to obtain the desired processing result input by the input unit according to the desired processing result and the three-dimensional image formed by the three-dimensional imaging unit, and then controls the laser beam applying unit and the moving unit according to the processing conditions adjusted in the processing conditions adjusting step.

(Figure 14B)