

LASER PROCESSING APPARATUS

ABSTRACT OF THE DISCLOSURE

A laser processing apparatus includes a laser beam applying unit, an imaging unit, and a processing section. The processing unit includes a histogram generating section and a determining section. The histogram generating section generates, from an image obtained by the imaging unit imaging a plurality of processing marks formed by applying the laser beam from the laser beam applying unit to a one-surface side of the workpiece, a first histogram including a plurality of first positions along a first direction of the image and brightness at each of the first positions and a second histogram including a plurality of second positions along a second direction orthogonal to the first direction and brightness at each of the second positions. The determining section determines a boundary of each region where one of the processing marks is formed, based on the first histogram.

[Fig. 4B]