

LASER PROCESSING MACHINE AND PROCESSING METHOD OF WORKPIECE

ABSTRACT

There is provided a laser processing machine for processing a workpiece having a scribe line set thereon. The processing machine includes a controller configured to perform a procedure of moving a focal point of a laser beam in a first moving direction, which intersects a processing feed direction, in a range of a width of the line when the focal point and the holding unit relatively move along the processing feed direction, and a procedure of controlling power of the laser beam so that, upon movement of the focal point in the first moving direction, the power of the laser beam is smaller when the focal point is located in regions on outer edge sides of the line than when the focal point is located in a region on a center side of the scribe, whereby a groove is formed along the line.

[FIG. 1]