

ABSTRACT

A laser marking device, comprising a laser beam ramifying unit that ramifies a laser beam generated by a single laser oscillator along multiple different optical paths in a time-sharing manner, and multiple marking units that utilize the various laser beams ramified by this laser beam ramifying unit to scan liquid crystal masks on which required masking patterns are displayed, and which use the laser beams that pass through the liquid crystal masks to mark work; the laser beam ramifying unit of which comprises a condensation means that condenses the laser beam generated by the laser oscillator, a laser beam ramifying means that ramifies the laser beam condensed by the condensation means along multiple different optical paths in a time-sharing manner, and multiple light-guiding means that guide the various laser beams ramified by the laser beam ramifying means into the multiple marking units so as to enable the spacing between the optical fibers to be reduced, the switching of ramified laser beam destinations to be done at high speed, and the density of the spatial arrangement of the fiber bundles to be improved.