

LASER PROCESSING APPARATUS AND DEBRIS REMOVER

ABSTRACT

A debris remover includes an air nozzle that blows air from one side toward a processing point at which a workpiece is irradiated with a laser beam, a suction duct having a suction opening for sucking debris that has scattered to another side due to the air blown from the air nozzle, vortex generators formed on the processing point side of the suction opening for guiding the scattering debris into the suction duct, and a C-shaped sealing plate that is formed in such a manner as to surround the vortex generators from a rear side and reduces a space defined between the suction opening and the workpiece.

[FIG. 4]