

ABSTRACT OF THE DISCLOSURE

ONE-SIDE WELDING EQUIPMENT

One-side welding equipment includes a welder beam extending linearly, a welding carriage that travels in a longitudinal direction of the welder beam and that is hung and supported in a cantilevered manner along a side face of the welder beam, a backing device provided on a back side of a welding line, and a bearing rail and a gear rack provided on an upper surface of the welder beam and extending parallel to each other in the longitudinal direction of the welder beam. The welding carriage includes a first traveling mechanism and a second traveling mechanism to be respectively engaged with the bearing rail and the gear rack, a welding-wire supply nozzle, a welding-line-position detecting mechanism, and a nozzle-movement control mechanism.

FIG. 1