

A B S T R A C T

A magnet drum mechanism (3) of a magnet separator (1) includes a cylindrical drum (25), a magnet (26) provided inside of the drum (25) and fixed to a separator main body (2) in such a manner that the magnet (26) is stationary when the drum (25) is rotating, the magnet (26) forming a magnetic field region (41) configured to adsorb magnetic particles in a circumferentially partial range of an outer peripheral surface (25a) of the drum (25), and a scraper (23) provided in a nonmagnetic field region (42) of the drum (25), the scraper (23) being configured to guide the magnetic particles adsorbed onto the outer peripheral surface (25a) of the drum (25) to an outside of the separator main body (2) in the nonmagnetic field region (42). The scraper (23) includes a front end portion (61) which faces the outer peripheral surface (25a) of the drum (25) in a contactless manner along an axial direction of the drum (25), and a small gap (S) is formed between the front end portion (61) and the outer peripheral surface (25a) of the drum (25).



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