

ABSTRACT

In an automatic marking system (100) comprising: a marking device (10) configured to perform the marking while moving; a three-dimensional measurement device (50) capable of measuring a three-dimensional spatial position of the marking device (10); and a control device (30) configured to control traveling and the marking by the marking device (10), the marking device (10) has: a traveling unit (12) capable of traveling on a marking surface; a marking unit (18) configured to perform the marking to the marking surface; and a target unit (20) configured to be tracked by the three-dimensional measurement device (50), the traveling unit (12) has a plurality of omnidirectional traveling wheels whose rotation direction and rotation speed are controlled independently, and the control device (30) is configured to control rotation of each of the plurality of omnidirectional traveling wheels such that the marking unit (18) is positioned at a preset target marking position without changing a facing direction of the marking device (10).