

ABSTRACT

5 A motion control method and device, an automatic conveyor unit, and an automatic sorting system are disclosed. The method comprises: determining that the automatic conveyor unit is about to change direction (S101); setting, as a basic unit for changing direction, a second basic unit in front of a first basic unit at which the automatic conveyor unit is located (S102); and controlling the automatic conveyor unit to perform an arc motion centered on a predetermined point (S103). The automatic conveyor unit can achieve direction changing along an arc instead of turning in place, thereby improving motion efficiency in the field.