

PARTS ALIGNMENT DEVICE

ABSTRACT OF THE DISCLOSURE

A parts alignment device includes: an input port introducing chip-like parts having a magnetic-substance electrode; a storage chamber storing the parts introduced through the input port; a wall made of non-magnetic material, the wall defining a back surface of the storage chamber; an arc-like guide made of non-magnetic material and provided at least above the storage chamber; an intake port provided in connection with the guide and taking in only parts aligned in a predetermined direction from the parts; a parts passageway connected to the intake port and provided toward downstream of the intake port; a rotary plate made of non-magnetic material and provided at the rear of the wall so as to rotate in a parts taking-in direction of the intake port; and a magnet provided on the rotary plate. The magnet attracts the parts both in a direction of the guide and in a direction of the wall simultaneously by a magnetic force thereof.

Fig. 1