

ABSTRACT**PARTS FEEDER**

A parts feeder is provided which may be employed in feeding electronic parts such as chip components to a mounting device for mounting them on a printed circuit board, for example. The parts feeder is designed to lift up parts supplied from an inlet to a parts orientation chamber to an outlet along an inner peripheral surface of the parts orientation chamber using a magnetic mechanism. A parts orienting path is defined upstream of the outlet which allows only the parts oriented in given directions to pass therethrough. A guide member is disposed within the parts orientation chamber to guide the parts, which are unoriented in alignment with a parts transport path connecting the outlet and a parts pickup station and which are dropped from the outlet, to an inlet for facilitating transportation of the parts by the magnetic mechanism to the parts orienting path, thereby avoiding jamming of the parts in the parts orienting path.

Figure 1.