Claims

What is claimed is:

1. A dispensing apparatus for processing an electronic component, characterized by comprising:

a first track component (101) and a second track component (102), the first track component (101) and the second track component (102) being arranged in parallel, and being configured to carry an electronic component to be processed;

a first flow-guiding component (103) and a second flow-guiding component (104), the first flow-guiding component (103) being arranged at the top of the first track component (101), the second flow-guiding component (104) being arranged at the top of the second track component (102), the first flow-guiding component (103) having a first inner side part (214), the second flow-guiding component (104) having a second inner side part (314), the first inner side part (214) and the second flow-guiding component inner side part (314) being arranged facing toward each other;

a gas discharge assembly;

wherein the first flow-guiding component (103) has at least one first gas inlet (202) and at least one first gas outlet (204) in communication with each other, the at least one first gas inlet (202) being configured to be in communication with a clean gas source, and the at least one first gas outlet (204) being arranged at the first inner side part (214) of the first flow-guiding component (103); the second flow-guiding component (104) has at least one second gas inlet (304) and at least one second gas outlet (302) in communication with each other, the at least one second gas inlet (304) being arranged at the second inner side part (314) of the second flow-guiding component (103), and the at least one second gas outlet (302) being configured to be in communication with the gas discharge assembly, so that clean gas can flow toward the at least one second gas inlet (304) from the at least one first gas outlet (204), thereby forming a clean gas region above the electronic component to be processed.

2. The dispensing apparatus as claimed in claim 1, characterized in that: the first flow-guiding component (103) has at least one lead-out channel (405) corresponding to the at least one first gas outlet (204) respectively, the at least one lead-out channel (405) being formed to extend into the interior of the first flow-

guiding component (103) from the at least one first gas outlet (204), and the height of the lead-out channel (405) in a length direction perpendicular to the first track component (101) gradually decreasing from the at least one first gas outlet (204) toward the inside.

3. The dispensing apparatus as claimed in claim 2, characterized in that:

the at least one first gas outlet (204) comprises multiple gas outlets and multiple lead-out channels corresponding to the multiple gas outlets respectively, the multiple gas outlets being distributed in a length direction of the first flow-guiding component (103).

4. The dispensing apparatus as claimed in claim 2, characterized in that:

the first flow-guiding component (103) has a first accommodating cavity (403), the first accommodating cavity (403) extending in a length direction of the first flow-guiding component (103) and being in communication with the at least one first gas inlet (202) and the at least one lead-out channel (405).

5. The dispensing apparatus as claimed in claim 3, characterized in that:

the distance between outer sides of the first and last of the multiple gas outlets in the length direction of the first flow-guiding component (103) is greater than or equal to the length of an electronic component to be processed.

6. The dispensing apparatus as claimed in claim 2, characterized in that:

the second flow-guiding component (104) has at least one lead-in channel (505) corresponding to the at least one second gas inlet (304), the at least one lead-in channel (505) being formed to extend into the interior of the second flow-guiding component (104) from the second gas inlet (304), and the height of the at least one lead-in channel (505) in a length direction perpendicular to the second track component (102) gradually decreasing from the second gas inlet (304) toward the inside.

7. The dispensing apparatus as claimed in claim 6, characterized in that:

the at least one second gas inlet (304) comprises multiple gas inlets and multiple lead-in channels corresponding to the multiple gas inlets respectively, the

multiple gas inlets being distributed in a length direction of the second flow-guiding component;

the second flow-guiding component (104) has a second accommodating cavity (503), the second accommodating cavity (503) extending in a length direction of the second flow-guiding component (104) and being in communication with the at least one second gas outlet (302) and the at least one lead-in channel (505).

8. The dispensing apparatus as claimed in claim 1, characterized in that:

the distance between an inner side of the first flow-guiding component (103) and an inner side of the second flow-guiding component (104) is less than the width of the electronic component to be processed.

9. The dispensing apparatus as claimed in claim 1, characterized by further comprising:

an air filtration apparatus (608), the air filtration apparatus (608) comprising an inlet end (630) and an outlet end (640), the inlet end (630) being in communication with an air source, the outlet end (640) being in communication with the at least one first gas inlet (202), and the air filtration apparatus (608) being configured to supply clean air to the first flow-guiding component (103).

10. The dispensing apparatus as claimed in claim 1, characterized by further comprising:

a gas treatment apparatus (720), the gas treatment apparatus (720) being in communication with the second gas outlet (303), and the gas treatment apparatus (720) being capable of purifying air flowing out of the second gas outlet (302).