What is claimed is:

1. A paste coating apparatus, comprising:

a support table which has a length in a longitudinal direction, a width in a width direction and a height in a height direction;

a substrate holding table on which a substrate is mounted, the substrate holding table being arranged on the support table;

a nozzle for coating paste on the substrate~~continuously coating paste~~; and

a moving unit which moves the nozzle in the longitudinal direction, the width direction or the height direction,

wherein the paste coating apparatus ~~a control section for~~ continuously coat~~sing~~ the paste in a periphery of a predetermined region on a plane of a substrate, by moving the nozzle,

and wherein the paste coating apparatus further comprises:

~~wherein the~~a control section~~:~~ which

moves the nozzle, setting nozzle height from the substrate to the nozzle to be lower than a predetermined standard height, at a start end portion that extends by a predetermined length from a start point of starting movement of the nozzle;

moves the nozzle, setting the nozzle height to be higher than the standard height, at a terminal end portion that extends by another predetermined length to an end point of terminating the movement of the nozzle;

moves the nozzle, setting the nozzle height to be the standard height at a part excluding the start end portion and the terminal end portion; and

moves the nozzle such that the paste is coated with an overlap at least partially between the start end portion and the terminal end portion~~.~~; and

~~2. The paste coating apparatus according to claim 1,~~

wherein at the start end portion, the control section sets the nozzle height to be lower than the standard height by an amount equivalent to an allowable error allowed for coating height of the paste to be coated on the substrate,

and wherein at the terminal end portion, the control section sets the nozzle height to be higher than the standard height by the amount equivalent to the allowable error,

and wherein the allowable error is an allowable range of a coating height for preferably joining the substrate by making temperature rise of the paste by heat irradiation be uniform over a whole circuit of a coating pattern when the substrate is joined.

~~3~~2. The paste coating apparatus according to claim 1 ~~or 2~~,

wherein the control section moves the nozzle such as to form the start end

portion along the periphery of the region, setting the start point to a point in the periphery of the region, and to form the terminal end portion along the periphery of the region, setting the end point to be another point in the periphery of the region, such that the terminal end portion and the start end portion at least partially overlap with each other.

43. The paste coating apparatus according to claim ~~3~~2, further comprising:

a paste storage section for storing the paste; and

a pressure source for supplying a jetting pressure to the paste storage section to coat the paste from the nozzle,

wherein supply of the jetting pressure from the pressure source to the paste storage section is stopped before the terminal end portion is formed.

54. The paste coating apparatus according to claim 1 ~~or 2~~,

wherein, setting the start point to a point outside the periphery of the region, the control section moves the nozzle from the start point toward the periphery of the region to form the start end portion,

and wherein, setting the end point to another point outside the periphery of the region, the control section moves the nozzle from the periphery of the region toward the end point to form the terminal end portion such that the terminal end portion intersects with the start end portion.

~~6~~5. A paste coating method of continuously coating paste in a periphery of a predetermined region on a plane of a substrate by moving a nozzle for continuously coating the paste, ~~comprising:~~

the method being performed by a past coating apparatus including:

a support table which has a length in a longitudinal direction, a width in a width direction and a height in a height direction;

a substrate holding table on which a substrate is mounted, the substrate holding table being arranged on the support table;

a nozzle for coating paste on the substrate; and

a moving unit which moves the nozzle in the longitudinal direction, the width direction or the height direction,

and wherein the method comprises:

a start end portion forming process that moves the nozzle, setting nozzle height from the substrate to the nozzle to be lower than a predetermined standard height, and

thereby forms a start end portion that extends by a predetermined length from a start point of starting movement of the nozzle;

a terminal end portion forming process that moves the nozzle, setting the nozzle height to be higher than the standard height, and thereby forms a terminal end portion that extends by another predetermined length to an end point of terminating the movement of the nozzle; and

a normal moving process that moves the nozzle, setting the nozzle height to be the standard height at a part excluding the start end portion and the terminal end portion,

wherein the nozzle is controlled to moved such that the paste is coated with an overlap at least partially between the start end portion and the terminal end portion.

~~7. The paste coating method according to claim 6,~~

wherein the start end portion forming process sets the nozzle height to be lower than the standard height by an amount equivalent to an allowable error allowed for coating height of the paste to be coated on the substrate,

and wherein the terminal end portion forming process sets the nozzle height to be higher than the standard height by the amount equivalent to the allowable error,

and wherein the allowable error is an allowable range of a coating height for preferably joining the substrate by making temperature rise of the paste by heat irradiation be uniform over a whole circuit of a coating pattern when the substrate is joined.

~~8~~6. The paste coating method according to claim ~~6 or 7~~5,

wherein the start end portion forming process moves the nozzle along the periphery of the region, setting the start point to a point in the periphery of the region, and thus forms the start end portion,

and wherein the terminal end portion forming process moves the nozzle along the periphery of the region, setting the end point to be another point in the periphery of the region, such that the terminal end portion overlaps at least partially with the start end portion, and thus forms the terminal end portion.

~~9~~7. The paste coating method according to claim ~~8~~6, further comprising:

a coating stopping process that stops coating of the paste,

wherein the coating stopping process is executed prior to execution of the terminal end portion forming process.

~~10~~8. The paste coating method according to claim ~~6 or 7~~5,

wherein, setting the start point to a point outside the periphery of the region, the start end portion forming process moves the nozzle toward the periphery of the region, and thus forms the start end portion,

and wherein, setting the end point to another point outside the periphery of the region, the terminal end portion forming process moves the nozzle from the periphery of the region toward the end point such that the terminal end portion intersects with the start end portion, and thus forms the terminal end portion.

~~11~~9. A paste coating method of continuously coating paste in a periphery of a predetermined region on a plane of a substrate by moving a nozzle for continuously coating the paste along the periphery of the region in a X axis direction and/or a Y axis direction, comprising:

a preparation process that sets correction amounts of nozzle height that is from the substrate to the nozzle in moving the nozzle, for respective moving directions during the movement of the nozzle along the periphery of the region; and

a coating process that moves the nozzle along the periphery of the region, correcting the nozzle height by the correction amounts corresponding to the respective moving directions of the nozzle~~.~~,

~~12. The paste coating method according to claim 11,~~

and wherein, for each of an X axis direction moving part, a Y axis direction moving part, a reverse X axis direction moving part of which moving direction is opposite to a moving direction of the X axis direction moving part, a reverse Y axis direction moving part of which moving direction is opposite to a moving direction of the Y axis direction moving part, a first corner moving part that connects the X axis direction moving part to the Y axis direction moving part, a second corner moving part that connects the Y axis direction moving part to the reverse X axis direction moving part, a third corner moving part that connects the reverse X axis direction moving part to the reverse Y axis direction moving part, and a fourth

corner moving part that connects the reverse Y axis direction moving part to the X axis direction moving part along the periphery of the region.

~~for each moving direction of the nozzle along the periphery of the region,~~ the preparation process executes in advance by using a substrate which is for the preparation process a process that sets the correction amount to

a difference between coating height of the paste coated on the substrate when the nozzle moves with the nozzle height being set to a standard height, and the standard coating height to be a target value of the coating height so as to correct an error in a paste coating height for each of moving directions, the error being generated by a deformation of a distal end portion of the nozzle in the X axis direction and/or in the Y axis direction.

10~~3~~. A paste coating apparatus that coats paste in a periphery of a predetermined region on a plane of a substrate, comprising:

a support table which has a length in a longitudinal direction, a width in a width direction and a height in a height direction;

a substrate holding table on which a substrate is mounted, the substrate holding table being arranged on the support table;

a nozzle for coating ~~the~~ paste on the substrate, and

a moving unit which moves the nozzle in the longitudinal direction, the width direction or the height direction,

wherein the paste is coated by moving the nozzle,

and wherein the paste is coated on the substrate by the paste coating method according to claim ~~11 or 12~~9.