[CLAIMS]

[Claim 1]

A manufacturing device for a laminated core in which core sheets having a predetermined shape are formed by punching from a steel sheet and a predetermined number of core sheets are laminated and bonded, the manufacturing device comprises:

an adhesive applicator that applies an adhesive to portions of the steel sheet corresponding to the core sheets;

a reciprocating drive portion that reciprocates the adhesive applicator relative to the steel sheet to switch whether or not the adhesive is applied by the adhesive applicator; and

a buffer member that allows displacement of the adhesive applicator in the reciprocating direction,

wherein:

the adhesive applicator comprises a discharge portion to which a passage through which the adhesive passes is provided and which is configured to discharge the adhesive from a tip of the passage,

when the application of the adhesive is performed, the adhesive applicator is disposed such that the adhesive discharged from a tip of the discharge portion is brought into contact with the steel sheet in response to an up and down movement of the steel sheet accompanying the forming of the core sheets by punching from the steel sheet, and

the buffer member is configured to adjust a contact pressure of the tip against the steel sheet.

[Claim 2]

The manufacturing device for a laminated core according to claim 1, wherein the adhesive applicator further comprises a holding portion that holds the discharge

portion, and the discharge portion is provided so as to protrude from an end face of the holding portion.

[Claim 3]

The manufacturing device for a laminated core according to claim 1 or 2, further comprising a punching portion that punches out the core sheets from the steel sheet, the punching portion comprising a die comprising an upper die and a lower die,

wherein the adhesive applicator is housed in a through hole penetrating between an inner surface and an outer surface of the upper die or the lower die, the inner surface and the outer surface being surfaces of the upper die or the lower die spaced apart in an up and down direction, the inner surface being a surface facing the steel sheet, and

wherein an end of the through hole on the inner surface side comprises at least one positioning protrusion protruding inward in a radial direction of the through hole, and a position of the adhesive applicator on the inner surface side is determined by the positioning protrusion.

[Claim 4]

The manufacturing device for a laminated core according to claim 3, wherein the buffer member is disposed between the adhesive applicator and the positioning protrusion.

[Claim 5]

The manufacturing device for a laminated core according to any one of claims 1 to 4, wherein the reciprocating drive portion is a hydraulic cylinder comprising a fixed body and a rod provided so as to be reciprocable relative to the fixed body.

[Claim 6]

The manufacturing device for a laminated core according to claim 5, wherein the buffer member is disposed between the rod and the adhesive applicator, or between a

mounting table fixed to the rod and the fixed body.

[Claim 7]

The manufacturing device for a laminated core according to any one of claims 1 to 4, wherein the reciprocating drive portion is a slide cam mechanism comprising a first cam member provided so as to be slidable in a horizontal direction and a second cam member driven in an up and down direction in response to the sliding of the first cam member.

[Claim 8]

The manufacturing device for a laminated core according to claim 7, wherein the buffer member is disposed between the second cam member and the adhesive applicator.

[Claim 9]

The manufacturing device for a laminated core according to claim 7 or 8, further comprising a punching portion that punches out the core sheets from the steel sheet, the punching portion comprising a die comprising an upper die and a lower die,

wherein the first cam member and the second cam member are disposed within the upper die or the lower die.

[Claim 10]

A manufacturing device for a laminated core in which core sheets having a predetermined shape are formed by punching from a steel sheet and a predetermined number of core sheets are laminated and bonded, the manufacturing device comprises:

an adhesive applicator that applies an adhesive to portions of the steel sheet corresponding to the core sheets;

a reciprocating drive portion that reciprocates the adhesive applicator relative to the steel sheet to switch whether or not the adhesive is applied by the adhesive

applicator; and

a buffer member that allows displacement of the adhesive applicator in the reciprocating direction,

wherein:

the adhesive applicator comprises a discharge portion to which a passage through which the adhesive passes is provided and which is configured to discharge the adhesive from a tip of the passage,

when the application of the adhesive is performed, the adhesive applicator is disposed such that the adhesive discharged from a tip of the discharge portion is brought into contact with the steel sheet in response to an up and down movement of the steel sheet accompanying the forming of the core sheets by punching from the steel sheet, and

the adhesive applicator further comprises a holding portion that holds the discharge portion, and the discharge portion is provided so as to protrude from an end face of the holding portion.

[Claim 11]

A manufacturing method for a laminated core, the method comprising manufacturing the laminated core using the manufacturing device according to any one of claims 1 to 10.