[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:

a punching portion that punches out the core sheets from the steel sheet;

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

a laminating portion that laminates and bonds the core sheets to which adhesive has been applied to form a group of core sheets; and

a separation portion that bites into spaces between core sheets adjacent to each other within the group of core sheets to separate the laminated core from the group of core sheets,

wherein the laminating portion comprises a plurality of pairs of side pressure application portions that apply a side pressure to the group of core sheets, each pair of side pressure application portions is disposed to face each other with the group of core sheets sandwiched therebetween, and

at least one of the side pressure application portions is configured to serve as the separation portion.

[Claim 2]

The manufacturing device for a laminated core according to claim 1, wherein each of the plurality of pairs of side pressure application portions comprises a brake block that is pressed against the side surface of the group of core sheets, and

wherein the brake block is configured to be tilted when separating the laminated core from the group of core sheets, such that an upper or lower corner in a height direction

of the group of core sheets bites into spaces between the core sheets.

[Claim 3]

The manufacturing device for a laminated core according to claim 2, wherein the brake block is configured such that the upper corner bites into spaces between the core sheets, and the lower corner is tilted away from the group of core sheets.

[Claim 4]

The manufacturing device for a laminated core according to claim 3, wherein the brake block is pivotally supported by a pivot shaft positioned above a central position of the brake block in the height direction of the group of core sheets.

[Claim 5]

The manufacturing device for a laminated core according to any one of claims 1 to 4, wherein the punching portion modifies the end shape of the core sheet at a position where the laminated core is separated from the group of core sheets.

[Claim 6]

The manufacturing device for a laminated core according to any one of claims 1 to 5, wherein the adhesive is applied to a surface of the steel sheet, and a non-coated region where the adhesive is not applied is provided at an outer peripheral portion of the surface of the portions of the steel sheet corresponding to the core sheets, and when the group of core sheets is formed in the laminating portion, the non-coated region forms a gap between the core sheets adjacent to each other within the group of core sheets, and the separation portion bites into spaces between the core sheets through the gap formed by the non-coated region.

[Claim 7]

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 6.