[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 the core sheets are laminated and bonded, the manufacturing device comprising:

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

a punching portion comprising a die including an upper die and a lower die, the punching portion being configured to punch out the core sheets from the steel sheet after the adhesive has been applied by the adhesive applicator,

wherein the upper die or the lower die comprises a recess disposed at a position corresponding to a portion where the adhesive has been applied, and a vent that communicates an internal space of the recess with the outside of the upper die or the lower die.

[Claim 2]

The manufacturing device for a laminated core according to claim 1,

wherein the upper die or the lower die comprises a blank holder pressed against the steel sheet, and a punching die that is provided so as to be displaceable relative to the blank holder and punches out the steel sheet after the blank holder has been pressed against the steel sheet, and

wherein the recess and the vent are provided in the blank holder.

[Claim 3]

The manufacturing device for a laminated core according to claim 2,

wherein the blank holder comprises a base and a surface layer detachably

mounted on the base and pressed against the steel sheet, and

wherein the recess is provided in the surface layer, and at least a portion of the vent is provided in the base.

[Claim 4]

The manufacturing device for a laminated core according to any one of claims 1 to 3, wherein the vent comprises a transverse hole extending in a direction intersecting a separation direction of the upper die and the lower die.

[Claim 5]

The manufacturing device for a laminated core according to any one of claims 1 to 4,

wherein the adhesive applicator applies the adhesive to an upper face of the steel sheet, and

wherein the recess and the vent are provided in the upper die.

[Claim 6]

The manufacturing device for a laminated core according to any one of claims 1 to 5, wherein the punching portion comprises a pre-processing portion that punches out portions other than an outer shape of the core sheet from the steel sheet in one or more steps, and an outer shape punching portion that punches out the outer shape of the core sheet from the steel sheet after the punching by the pre-processing portion, and

wherein the recess and the vent are provided in the pre-processing portion.

[Claim 7]

The manufacturing device for a laminated core according to claim 6, wherein the outer shape punching portion comprises a pressing portion that spreads the adhesive when punching out the outer shape of the core sheet.

[Claim 8]

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 7.