[What is claimed is]

1. A bonded and stacked core manufacturing method for manufacturing a bonded and stacked core by performing press working on a strip-shaped steel sheet with a press working oil applied to one surface or both surfaces thereof, applying an adhesive to one surface of the strip-shaped steel sheet to obtain a plurality of steel sheet components, and stacking and bonding the steel sheet components, wherein

a curing accelerator having an average viscosity of 0.01 Pa·s to 100 Pa·s is applied to one surface or both surfaces of the strip-shaped steel sheet before the press working oil is applied, and wherein

the average viscosity of the curing accelerator is measured by performing measurement with a rotational viscometer described in JIS K 7117: 1999 three times at a test temperature of 23°C, and calculating an average value of measured values.

2. The bonded and stacked core manufacturing method according to claim 1, wherein

the steel sheet components include a first steel sheet component and a second steel sheet component, and

the method comprises:

a first step of preparing the first steel sheet component having a first surface, the curing accelerator disposed on the first surface, and the press working oil disposed on the curing accelerator;

a second step of preparing the second steel sheet component having a second surface and the adhesive disposed on the second surface; and

a third step of superimposing and bonding the first steel sheet component and the second steel sheet component such that the first surface and the second surface face each other.

3. The bonded and stacked core manufacturing method according to claim 1, wherein

the steel sheet components include a first steel sheet component and a second steel sheet component, and

the method comprises:

a first step of preparing the first steel sheet component having a first surface, the curing accelerator disposed on the first surface, the press working oil disposed on the curing accelerator, and the adhesive disposed on the press working oil;

a second step of preparing the second steel sheet component having a second surface; and

a third step of superimposing and bonding the first steel sheet component and the second steel sheet component such that the first surface and the second surface face each other.

4. The bonded and stacked core manufacturing method according to claim 1, wherein

the steel sheet components include a first steel sheet component and a second steel sheet component, and

the method comprises:

a first step of preparing the first steel sheet component having a first surface and the curing accelerator disposed on the first surface;

a second step of preparing the second steel sheet component having a second surface, the press working oil disposed on the second surface, and the adhesive disposed on the press working oil; and

a third step of superimposing and bonding the first steel sheet component and the second steel sheet component such that the first surface and the second surface face each other.

5. The bonded and stacked core manufacturing method according to claim 1, wherein

the steel sheet components include a first steel sheet component and a second

steel sheet component, and

the method comprises:

a first step of preparing the first steel sheet component having a first surface, the curing accelerator disposed on the first surface, and the press working oil disposed on the curing accelerator;

a second step of preparing the second steel sheet component having a second surface, the press working oil disposed on the second surface, and the adhesive disposed on the press working oil; and

a third step of superimposing and bonding the first steel sheet component and the second steel sheet component such that the first surface and the second surface face each other.

6. The bonded and stacked core manufacturing method according to claim 1, wherein

the steel sheet components include a first steel sheet component and a second steel sheet component, and

the method comprises:

a first step of preparing the first steel sheet component having a first surface, the curing accelerator disposed on the first surface, the press working oil disposed on the curing accelerator, and the adhesive disposed on the press working oil;

a second step of preparing the second steel sheet component having a second surface and the press working oil disposed on the second surface; and

a third step of superimposing and bonding the first steel sheet component and the second steel sheet component such that the first surface and the second surface face each other.

7. The bonded and stacked core manufacturing method according to any one of claims 1 to 6, wherein the adhesive is an anaerobic adhesive or an instantaneous adhesive.

8. The bonded and stacked core manufacturing method according to claim 7, wherein

the adhesive is the anaerobic adhesive, and

the curing accelerator contains an active component that accelerates anaerobic curing, selected from titanium, chromium, manganese, iron, cobalt, nickel, copper, zinc, silver, vanadium, molybdenum, ruthenium, saccharin, and combinations thereof.

9. The bonded and stacked core manufacturing method according to claim 7, wherein

the adhesive is the instantaneous adhesive, and

the curing accelerator contains an active component that accelerates curing of the instantaneous adhesive, selected from organic amines such as dimethylaniline, diethylamine, o-phenylenediamine, dimethyl para-toluidine, diethyl para-toluidine, and N,N-diethylaniline, acid amides such as trichloroacetamide, organic imides such as succinimide, quaternary ammonium salts such as tetramethylammonium chloride and benzyltrimethylammonium chloride, and combinations thereof.

10. The bonded and stacked core manufacturing method according to any one of claims 1 to 9, wherein the bonded and stacked core is a stator for a rotary electric machine.

11. A bonded and stacked core manufacturing apparatus for manufacturing a bonded and stacked core including a plurality of steel sheet components punched from a strip-shaped steel sheet, the apparatus comprising:

a press working oil application unit that applies a press working oil to one surface or both surfaces of the strip-shaped steel sheet;

a press working unit that applies press working to the strip-shaped steel sheet;

an adhesive application unit that applies an adhesive to one surface of the strip-shaped steel sheet; and

a curing accelerator application unit that applies a curing accelerator having an average viscosity of 0.01 Pa·s to 100 Pa·s to one surface or both surfaces of the strip-

shaped steel sheet before the strip-shaped steel sheet reaches the press working oil application unit, wherein

the average viscosity of the curing accelerator is measured by performing measurement with a rotational viscometer described in JIS K 7117: 1999 three times at a test temperature of 23°C, and calculating an average value of measured values.

12. The bonded and stacked core manufacturing apparatus according to claim 11, wherein the adhesive is an anaerobic adhesive or an instantaneous adhesive.

13. The bonded and stacked core manufacturing apparatus according to claim 12, wherein

the adhesive is the anaerobic adhesive, and

the curing accelerator contains an active component that accelerates anaerobic curing, selected from titanium, chromium, manganese, iron, cobalt, nickel, copper, zinc, silver, vanadium, molybdenum, ruthenium, saccharin, and combinations thereof.

14. The bonded and stacked core manufacturing apparatus according to claim 12, wherein

the adhesive is the instantaneous adhesive, and

the curing accelerator contains an active component that accelerates curing of the instantaneous adhesive, selected from organic amines such as dimethylaniline, diethylamine, o-phenylenediamine, dimethyl para-toluidine, diethyl para-toluidine, and N,N-diethylaniline, acid amides such as trichloroacetamide, organic imides such as succinimide, quaternary ammonium salts such as tetramethylammonium chloride and benzyltrimethylammonium chloride, and combinations thereof.

15. The bonded and stacked core manufacturing apparatus according to any one of claims 11 to 14, wherein the bonded and stacked core is a stator for a rotary electric machine.