identification information contains one or more selected from the group of raw material ratios, a composition, an average composition, constituent elements, a shade, a shade code, an average shade and an average shade code regarding the dental blank.

[3] The dental blank according to [1] or [2], wherein the identification information contains one or more selected from the group of a production lot, a place of production, a year of production and a collection deadline regarding the dental blank.

[4] The dental blank according to any one of [1] to [3], wherein the identification information contains at least one of a model number and a name of the manufacturer of the dental blank.

[5] The dental blank according to any one of [1] to [4], wherein the dental blank is provided with two or more information tags.

[6] The dental blank according to any one of [1] to [5], wherein the information tag is provided on a non-milled portion of the dental blank.

[7] The dental blank according to any one of [1] to [6], wherein the dental blank has a disc shape, and the information tag is provided on a peripheral side surface of the dental blank.

[8] The dental blank according to any one of [1] to [6],

wherein the dental blank has a columnar shape, and the information tag is provided on a bottom side of the dental blank.

[9] The dental blank according to any one of [1] to [8], wherein the dental blank is a ceramic calcined body.

[10] The dental blank according to any one of [1] to [9], wherein the dental blank is a zirconia calcined body.

[11] A method for collecting scrap materials of a dental blank, the method comprising a collection step of collecting, from a process operator, scrap materials resulting from a milling process performed on the dental blank according to any one of [1] to[10]; and a selection step of selecting a specific scrap material, which is at least one of the scrap materials and includes an information tag from which the identification information associated with the material information of the dental blank agreed upon between the manufacturer of the raw material for the dental blank and the manufacturer of the dental blank is readable.

[12] The method for collecting scrap materials of a dental blank according to [11], further comprising a supplying step of supplying a raw material for the dental blank to the blank manufacturer prior to the collection step.

[13] The method for collecting scrap materials of a dental blank according to [12], further comprising an

after collection is made possible. Specifically, the scrap materials collected from dental laboratories and the like may include products of different blank manufacturers. In such a case, separation for each manufacturer or separation for each manufacturer and product is made possible, which facilitates efficient separation for horizontal recycling. [0026]

Preferably, the identification information contains one or more selected from the group of a production lot, a place of production, a year of production and a collection deadline of the dental blank (hereinafter, these pieces of information are also referred to as "production information"). The identification information more preferably contains at least one of the year of production and the collection deadline and even more preferably contains the collection deadline. In the case where the production information is included, not only recycling is made possible, but also traceability is made possible. As will be described below, the identification information is agreed upon in advance between the raw material manufacturer and the blank manufacturer. Thus, in the case where the collection deadline agreed upon between them is provided, the tracking of not only the dental blank but also the raw materials that were used is made possible. The "year of production" is information from which the time of production

based on the identification information.

[0053]

A recycling method for the recycling step S50 may be a recycling method in which the specific scrap material 15K is ground to be powdered to form a powder (recycled powder) (hereinafter, this method is also referred to as a "grinding recycling method"). If necessary, the recycling step S50 may include at least one of the following steps (none are illustrated): a step of cleaning at least one of the specific scrap material 15K and its fragments prior to grinding, to remove impurities: a particle size adjustment step for adjusting a particle size of the ground product of the specific scrap material 15K after grinding; and a step of drying at least one of the specific scrap material 15K and its ground product.

[0054]

The powder prepared by the grinding recycling method (recycled powder) can directly serve as a raw material for calcined bodies and sintered bodies. The recycled powder has a composition derived from the dental blank 10. Thus, the recycled powder is particularly suitable as a raw material for a dental blank (recycled dental blank).

[0055]

The recycling method for the recycling step S50 may be a recycling method in which the specific scrap material 15K

CLAIMS

[Claim 1]

A method for collecting scrap materials of a dental blank, wherein:

the dental blank is provided with an information tag containing at least identification information associated with material information, wherein

the identification information is information agreed upon between a manufacturer of a raw material for the dental blank and a manufacturer of the dental blank, and

the information tag is an information medium from which the identification information is read in a case where scrap materials of the dental blank are collected,

the method comprises:

a collection step of collecting, from a process operator, scrap materials resulting from a milling process performed on the dental blank; and

a selection step of selecting a specific scrap material, which is at least one of the scrap materials and includes an information tag from which the identification information associated with the material information of the dental blank agreed upon between the manufacturer of the raw material for the dental blank and the manufacturer of the dental blank is readable.

[Claim 2]

The method for collecting scrap materials of a dental blank according to claim 1, further comprising a supplying step of supplying a raw material for the dental blank to a blank manufacturer prior to the collection step.

[Claim 3]

The method for collecting scrap materials of a dental blank according to claim 2, further comprising an identification information agreement step of making an agreement regarding the identification information prior to the supplying step.

[Claim 4]

The method for collecting scrap materials of a dental blank according to claim 1 or 2, further comprising a recycling step of subjecting the specific scrap material to a recycling process based on the identification information after the selection step.