CLAIMS

1. A management device that is configured to manage a CO_2 emission amount emitted by production of products on a production line, the management device characterized by comprising:

a storage device that is configured to store a unit weight of a first product and a unit weight of a second product produced on the production line; and

a control device that is configured to proportionally divide an electric power consumption amount consumed on the production line over a predetermined period, based on a weight ratio of a total weight of the first product and a total weight of the second product produced on the production line over the predetermined period, and calculate the CO_2 emission amount for each product, wherein

the CO_2 emission amount for each product includes a first CO_2 emission amount that is a sum of the CO_2 emission amount of the first product produced on the production line over the predetermined period, and a second CO_2 emission amount that is a sum of the CO_2 emission amount of the second product produced on the production line over the predetermined period; and

the control device is configured to

calculate the CO_2 emission amount per unit product of the first product by dividing the first CO_2 emission amount by a production quantity of the first product over the predetermined period, and

calculate the CO_2 emission amount per unit product of the second product by dividing the second CO_2 emission amount by a production quantity of the second product over the predetermined period;

the storage device is further configured to store:

a CO2 emission amount associated with procurement of raw materials for parts constituting the first product and production and transportation of the parts; and

a CO2 emission amount associated with procurement of raw materials for parts constituting the second product and production and transportation of the parts;

and the control device is further configured to:

calculate a total CO2 emission amount for the first product by adding the CO2 emission amount per unit product of the first product and the CO2 emission amount associated with the parts of the first product; and

calculate a total CO2 emission amount for the second product by adding the CO2 emission amount per unit product of the second product and the CO2 emission amount associated with the parts of the second product.

2. The management device according to claim 1, wherein:

the storage device is configured to store conversion information for converting the electric power consumption amount into the CO_2 emission amount; and

the control device is configured to convert the electric power consumption amount consumed on the production line over the predetermined period into the CO_2 emission amount, using the conversion information.

3. A management method for managing a CO_2 emission amount emitted by production of products on a production line, the management method characterized by comprising:

reading a unit weight of a first product and a unit weight of a second product produced on the production line; and

proportionally dividing an electric power consumption amount consumed on the production line over a predetermined period, based on a weight ratio of a total weight of the first product and a total weight of the second product produced on the production line over the predetermined period, and calculating the CO_2 emission amount for each product;

wherein the CO_2 emission amount for each product includes a first CO_2 emission amount that is a sum of the CO_2 emission amount of the first product produced on the production line over the predetermined period, and a second CO_2 emission amount that is a sum of the CO_2 emission amount of the second product produced on the production line over the predetermined period; and

and the management method further comprising the steps of:

calculating the CO_2 emission amount per unit product of the first product by dividing the first CO_2 emission amount by a production quantity of the first product over the predetermined period, and

calculating the CO_2 emission amount per unit product of the second product by dividing the second CO_2 emission amount by a production quantity of the second product over the predetermined period;

reading a CO2 emission amount associated with procurement of raw materials for parts constituting the first product and production and transportation of the parts; and

reading a CO2 emission amount associated with procurement of raw materials for parts constituting the second product and production and transportation of the parts;

and the management method further comprising the steps of:

calculating a total CO2 emission amount for the first product by adding the CO2 emission amount per unit product of the first product and the CO2 emission amount associated with the parts of the first product; and

calculating a total CO2 emission amount for the second product by adding the CO2 emission amount per unit product of the second product and the CO2 emission amount associated with the parts of the second product.