Claims

[Claim 1]

A gripping device comprising:

an upper surface gripping part including a first suction surface capable of suctioning an upper surface of an article;

a control unit that controls a motion of the upper surface gripping part by setting a transport parameter for operating the upper surface gripping part based on transport target data of the article;

a correction unit that corrects the transport parameter determined by the control unit based on characteristic data of the article; and

a moisture detector that acquires moisture content data as the characteristic data of the article,

wherein the correction unit corrects the transport parameter determined by the control unit based on the moisture content data.

[Claim 2]

The gripping device according to Claim 1, further comprising:

an accumulation unit that accumulates transport record data as the characteristic data of the article,

wherein the correction unit corrects the transport parameter determined by the control unit based on the transport record data.

[Claim 3]

The gripping device according to Claim 1 or 2, further comprising:

a shape detector that acquires deformation amount data as the characteristic data of the article,

wherein the correction unit corrects the transport parameter determined by the control unit based on the deformation amount data.

[Claim 4]

The gripping device according to Claim 1, further comprising:

a side surface gripping part including a second suction surface capable of suctioning a side surface of the article; and

a flip-up mechanism capable of switching between a first state where the side surface gripping part is positioned below a lower end of the upper surface gripping part, and a second state where the side surface gripping part is positioned above the lower end of the upper surface gripping part,

wherein the control unit controls a motion of the side surface gripping part by setting a transport parameter for operating the side surface gripping part based on the transport target data of the article, and

the correction unit corrects the transport parameter determined by the control unit based on the characteristic data of the article.

[Claim 5]

A gripping method using a gripping device including an upper surface gripping part including a first suction surface capable of suctioning an upper surface of an article, the gripping method comprising:

a step of controlling a motion of the upper surface gripping part by setting a transport parameter for operating the upper surface gripping part based on transport

target data of the article; and

a step of correcting the transport parameter based on characteristic data of the article,

wherein the step of correcting the transport parameter includes:

acquiring moisture content data as the characteristic data of the article; and

correcting the transport parameter determined based on the moisture content data.