CLAIMS:

[Claim 1]

A laser processing device, comprising:

a conveyance mechanism conveying a film;

a holding mechanism having a pair of holding parts formed in a frame shape capable of sandwiching and holding a portion of the film extending around a processing target range of the film; and

a laser mechanism processing the processing target range of the film held by the holding mechanism,

wherein the pair of holding parts sandwich an elastic member in addition to the film,

wherein the elastic member is arranged to surround an opening of a first holding part of the pair of holding parts over an entire circumference,

wherein an opening of a second holding part of the pair of holding parts is formed smaller than the opening of the first holding part,

wherein the pair of holding parts are arranged so as to face each other with the film and the elastic member sandwiched therebetween, and

wherein the laser mechanism is arranged for irradiating a laser light to the film from the second holding part side.

[Claim 2]

The laser processing device according to claim 1, wherein the holding mechanism comprises a common actuator that moves the pair of holding parts in a direction approaching and a direction separating from the film.

[Claim 3]

The laser processing device according to claim 1 or 2, wherein the laser mechanism processes to form a plurality of holes in the film.

[Claim 4]

The laser processing device according to claim 3, wherein the laser mechanism forms the holes in an elongated shape.

[Claim 5]

The laser processing device according to any one of claims 1 to 4, wherein the conveyance mechanism pulls out the film wound in a roll shape and conveys the film to the holding mechanism, and winds the film processed by the laser mechanism into a roll shape.

[Claim 6]

A processed article manufacturing method, processing the film using the laser processing device according to any one of claims 1 to 5.