WHAT IS CLAIMED IS:

1. An energy beam irradiation system, comprising:

an energy beam emitting mechanism that emits an energy beam toward a predetermined irradiation area; and,

a work holder that transfers works between a predetermined work delivery area and the irradiation area, the works being irradiated by the energy beam,

wherein the work delivery area includes two work delivery areas formed opposed to each other across a virtual straight line passing the energy beam irradiation area, and

the work holder includes:

a first work holder that transfers the works between a first work delivery area and the irradiation area; and

a second work holder that transfers the works between a second work delivery area and the irradiation area.

2. The energy beam irradiation system according to Claim 1,

wherein the first and second work holders are capable of transferring works different in size from each other.

3. The energy beam irradiation system according to Claim 1 or 2, further comprising:

a first work mounting portion and a second work mounting portion that are formed in two portions opposed to each other across the virtual straight line;

a first transfer member that transfers works between the first work delivery area and the first work mounting portion; and

a second transfer member that transfers works between the second work delivery

area and the second work mounting portion.

4. The energy beam irradiation system according to Claim 3, further comprising:

a third work mounting portion that is formed between the first work mounting portion and the second work mounting portion;

a third transfer member that transfers works between the first work delivery area and the third work mounting portion; and

a fourth transfer member that transfers works between the second work delivery area and the third work mounting portion.

5. The energy beam irradiation system according to Claim 3 or 4,

wherein the respective transfer members are capable of transferring works different in size from each other.

6. The energy beam irradiation system according to any one of Claims 1 to 5,

wherein one of the first and second work holders moves a predetermined distance after receiving works from a transfer member in the corresponding work delivery area and receives other works from the said transfer member to mount multiple rows of works in a moving direction.

7. An energy beam irradiation system according to any one of Claims 1 to 6,

wherein the energy beam is an ion beam and an ion is implanted into works.

WHAT IS CLAIMED IS:

1. An energy beam irradiation system, comprising:

an energy beam emitting mechanism that emits an energy beam toward a predetermined irradiation area; and,

a work holder that transfers works to irradiate the energy beam to the works after receiving the works in a predetermined work delivery area along a straight line,

wherein the work delivery area includes two work delivery areas formed opposed to each other across the energy beam irradiation area along the straight line, and

the work holder includes:

a first work holder that transfers the works after receiving the works in a first work delivery area and; and

a second work holder that transfers the works after receiving the works in a second work delivery area.

2. The energy beam irradiation system according to Claim 1,

wherein the first and second work holders are capable of transferring works different in size from each other.