Claims

1. A spinner assembly, comprising:

a jaw assembly having a first body adjacent to a second body, the first body comprising one or more rollers and the second body comprising one or more rollers;

an actuator;

a first linkage assembly coupled between the first body of the jaw assembly and the actuator, the first linkage assembly comprising:

a first pair of links,

a first bushing extending between the first pair of links,

a first bar fixed to the first bushing,

a second bar coupled to the first bar of the first linkage assembly by a first pin,

a third bar coupled to the second bar of the first linkage assembly by a second pin, wherein the third bar of the first linkage assembly is fixed to the first body, and

a fourth pin forming a first pivot point and extending through the first bushing and through the first pair of links; and

a second linkage assembly coupled between the second body of the jaw assembly and the actuator, the second linkage assembly comprising:

a second pair of links,

a second bushing extending between the second pair of links,

a first bar fixed to the second bushing,

a second bar coupled to the first bar of the second linkage assembly by a first pin,

a third bar coupled to the second bar of the second linkage assembly by a second pin, wherein the third bar of the second linkage assembly is fixed to the second body, and

a fourth pin forming a second pivot point and extending through the second bushing and through the second pair of links;

wherein the first linkage assembly and the second linkage assembly are configured to move the first body and the second body laterally along a substantially linear plane

toward and away from each other between an open position and a closed position upon actuation and retraction of the actuator, wherein in the open position a gap is between the first body and the second body, and in the closed position the gap is reduced.

2. The spinner assembly of claim 1, wherein the first body of the jaw assembly is coupled to the first pair of links by a third pin of the first linkage assembly and the second body of the jaw assembly is coupled to the second pair of links by a third pin of the second linkage assembly.

3. The spinner assembly of claim 2, wherein the first bar, the second bar, and the third bar of the first linkage assembly are disposed between the first pair of links.

4. The spinner assembly of claim 3, wherein a first end of the actuator is coupled to the first pair of links and a second end of the actuator is coupled to the second pair of links.

5. The spinner assembly of claim 4, wherein the actuator is coupled to a bushing containing a fifth pin of the first linkage assembly to couple the actuator to the first pair of links.

6. The spinner assembly of claim 1, wherein the second bar of the first linkage assembly is between the first bar of the first linkage assembly and the third bar of the first linkage assembly, a first end of the second bar of the first linkage assembly is coupled to the first bar of the first linkage assembly, and a second end of the second bar of the first linkage assembly is coupled to the third bar of the first linkage assembly.

7. A spinner assembly, comprising:

a jaw assembly having a first body adjacent to a second body, the first body comprising one or more rollers and the second body comprising one or more rollers;

an actuator;

a first linkage assembly coupled between the first body of the jaw assembly and the actuator, the first linkage assembly comprising:

a first pair of links,

a first bushing extending between the first pair of links,

a first bar fixed to the first bushing,

a second bar coupled to the first bar of the first linkage assembly by a first pin,

a third bar coupled to the second bar of the first linkage assembly by a second pin, wherein the third bar of the first linkage assembly is fixed to the first body, and

a fourth pin forming a first pivot point and extending through the first bushing and through the first pair of links; and

a second linkage assembly coupled between the second body of the jaw assembly and the actuator, the second linkage assembly comprising:

a second pair of links,

a second bushing extending between the second pair of links,

a first bar fixed to the second bushing,

a second bar coupled to the first bar of the second linkage assembly by a first pin,

a third bar coupled to the second bar of the second linkage assembly by a second pin, wherein the third bar of the second linkage assembly is fixed to the second body, and

a fourth pin forming a second pivot point and extending through the second bushing and through the second pair of links;

wherein the first linkage assembly and the second linkage assembly are configured to move a first surface of the first body and a second surface of the second body along and parallel to a linear plane between an open position and a closed position upon actuation and retraction of the actuator, wherein in the open position a gap is between the first surface and the second surface, and in the closed position the gap is reduced.

8. The spinner assembly of claim 7, wherein the first body of the jaw assembly is coupled to the first pair of links by a third pin of the first linkage assembly and the second body of the jaw assembly is coupled to the second pair of links by a third pin of the second linkage assembly.

9. The spinner assembly of claim 8, wherein the first bar, the second bar, and the third bar of the first linkage assembly are disposed between the first pair of links.

10. The spinner assembly of claim 9, wherein the actuator is coupled to a bushing containing a fifth pin of the first linkage assembly to couple the actuator to the first pair of links.

11. The spinner assembly of claim 7, wherein the second bar of the first linkage assembly is between the first bar of the first linkage assembly and the third bar of the first linkage assembly, a first end of the second bar of the first linkage assembly is coupled to the first bar of the first linkage assembly, and a second end of the second bar of the first linkage assembly is coupled to the third bar of the first linkage assembly.