also includes, when the sieving device is at the second position, causing a rotational actuator to rotate the sieving device about a rotational axis between a first orientation and a second orientation. The method also includes, when the sieving device is in the second orientation, instructing removal of the second group of insect pupae from the sieving device.

[0008] In a first aspect of the present invention, a computer-implemented method is described. The method includes causing an actuation system to cycle between a first elevation and a second elevation to cyclically submerge a sieve surface of a sieving device in a liquid held within a basin. A population of insects present in the liquid is separated into a first group of insects and a second group of insects as a result of the cycling. The method also includes causing a valve to open to drain the liquid from the basin. The first group of insects is disposed in the liquid. The method also includes causing the actuation system to move the sieving device from a first position over the basin to a second position other than over the basin. The second group of insects is disposed in the sieving device.

[0008a] In a second aspect of the present invention, there is provided one or more non-transitory computer-readable storage media comprising computer-executable instructions that, when executed by one or more computer systems, cause the one or more computer systems to: cause an actuation system to cycle between a first elevation and a second elevation to cyclically submerge a sieve surface of a sieving device in a liquid held within a basin, wherein a population of insects present in the liquid is separated into a first group of insects and a second group of insects as a result of the cycling; cause a valve to open to drain the liquid from the basin, the first group of insects disposed in the liquid; and cause the actuation system to move the sieving device from a first position over the basin to a second position other than over the basin, the second group of insects disposed in the sieving device.

[0008b] In a third aspect of the present invention, there is provided a system, comprising: a memory configured to store computer-executable instructions; and a processor configured to access the memory and execute the computer-executable instructions to at least: cause an actuation system to cycle between a first elevation and a second elevation to cyclically submerge a sieve surface of a sieving device in a liquid held within a basin, wherein a population of insects present in the liquid is separated into a first group of insects and a second group of insects as a result of the cycling; cause a valve to open to drain the liquid from the basin, the first group of insects disposed in the liquid; and cause the actuation system to move the sieving device from a first position over the basin to a second position other than over the basin, the second group of insects disposed in the sieving device.

[0009] In yet another example, a system is described. The system includes a separation station, a rinse station, and an actuation system. The separation station includes a sieving device, a first basin, and a fill nozzle. The sieving device includes a sieve surface including a first side and a second side. A set of elongate openings is formed in the sieve surface. The sieving device also includes a sieve rim attached to the sieve surface and forming a wall portion of the sieving device. The sieve surface forms a bottom portion of the sieving device. The first basin is sized to receive the sieving device and to retain a volume of liquid. The fill nozzle is disposed adjacent to the first basin and controllable to add first liquid to the first basin. The rinse station includes a second basin sized to receive the sieving device. The rinse station includes a spray nozzle disposed adjacent to the second basin and controllable to spray second liquid toward the second basin. The actuation system is attached to the sieving device. The actuation system is configured to move the sieving device between a first position within the first basin and a second position within the first basin. The actuation system is also configured to move the sieving device between a third position adjacent to the first basin and a fourth position adjacent to the second basin.

[0010] The illustrative examples are mentioned not to limit or define the scope of this disclosure, but rather to provide examples to aid understanding thereof. Illustrative examples are discussed in the Detailed Description, which provides further description. Advantages offered by various examples may be further understood by examining this specification.