CLAIMS:

1. A processing station for registering a passenger's luggage for a trip, the processing station comprising:

an injector for receiving a piece of luggage associated with the passenger;

at least one sensor associated with the injector, the at least one sensor, in combination with walls and a floor of the injector, creating a six-sided virtual box around the piece of luggage and wherein the virtual box includes at least one non-physical barrier;

and wherein at least one sensor is adapted to generate a side of the virtual box;

a weighing machine associated with the injector for weighing the piece of luggage whilst in the injector; and

a controller associated with the at least one sensor and the weighing machine, the controller being adapted to:

monitor, via the at least one sensor, intrusions through the virtual box to determine one or more of whether a predetermined limit on dimensions of the piece of luggage has been exceeded or whether a foreign object has intruded the virtual box from outside of the virtual box, and

allow further processing of the piece of luggage only if no intrusion of the virtual box is detected.

2. A processing station according to claim 1, wherein the dimensions of the virtual box correspond with the predetermined limit on dimensions of the piece of luggage.

3. A processing station according to claim 1 or 2, wherein at least part of one side and at least part of the top of the virtual box are generated by the at least one sensor.

4. A processing station according to any one of claims 1 to 3, wherein the controller is adapted to accept the piece of luggage for weighing via the weighing machine only if the virtual box is intact.

5. A processing station according to claim 4, wherein, if the virtual box is breached after weighing of the piece of luggage is complete, the controller is adapted to cause the piece of luggage to be re-weighed once the breach of the virtual box is rectified.

6. A processing station according to any one of the preceding claims, further comprising a user interface for receiving an input indicating whether the passenger has checked-in.

7. A processing station according to claim 6, wherein the user interface comprises an electronic card reader for reading an electronic passenger identification card, and wherein the electronic card reader of the luggage processing station is adapted to read the electronic passenger identification card to obtain the input indicating whether the passenger has checked-in.