WHAT IS CLAIMED IS:

1. A container assembly for printing a three-dimensional (3D) object, comprising:

an enclosure housing a first chamber adapted to store a printing material and a second chamber adapted to receive a platform;

a channel within the enclosure connecting a side wall of the first chamber with a side wall of the second chamber so that the first chamber and the second chamber are in fluid communication; and

a structure, movable within the first chamber adapted to transfer a portion of the printing material from the first chamber to a printing area between a surface of a window and the platform in the second chamber for receiving a curing light for curing a layer of the printing material onto the platform or onto a cured layer of the printing material on the platform, in order to build the 3D object on the platform.

2. The container assembly of claim 1, wherein the second chamber is adapted to limit or prevent a rotation of the platform.

3. The container assembly of claim 1, wherein the second chamber is a non-cylindrical chamber.

4. The container assembly of claim 1, wherein the second chamber includes a circular cross-section extending a first length along an axis of the second chamber, and a non-circular cross-section extending a second length along the axis of the second chamber.

5. The container assembly of claim 4, wherein the platform includes a cylindrical portion adapted to register with the circular cross-section extending the first length along the axis of the

second chamber.

6. The container assembly of claim 4, wherein the platform includes a seal adapted to hermetically seal the circular cross-section extending the first length along the axis of the second chamber.

7. The container assembly of claim 4, wherein the second chamber includes one or more structures along one or more side walls adapted to alleviate a negative pressure during a movement of the platform.

8. The container assembly of claim 7, wherein the one or more structures includes a negative pressure cavity or air vents along the one or more side walls of the second chamber.

9. The container assembly of claim 1, further comprising a handle portion coupled to the platform for removing the platform from the second chamber to facilitate removal of the 3D object built onto the platform.

10. The container assembly of claim 1, wherein the enclosure is adapted to receive heat from a heat source external to the container assembly.

11. A system for printing three-dimensional objects, comprising:

a controller;

a container assembly adapted to hermetically store a printing material, including:

an enclosure housing a first chamber adapted to store a printing material and a second chamber adapted to receive a platform;

a channel within the enclosure connecting a side wall of the first chamber with a

side wall of the second chamber so that the first chamber and the second chamber are in fluid communication; and

a structure, movable within the first chamber adapted to transfer a portion of the printing material from the first chamber to a printing area between a surface of a window and the platform in the second chamber;

a motor coupled to the controller and configured to move the structure; and

a light emitting module, in communication with the controller, configured to emit a curing light through the window to cure at least a layer of the printing material to the platform or to a cured layer of the printing material on the platform, in order to build the 3D object on the platform.

12. The system of claim 11, further comprising an arm coupled to the motor and adapted to press on the structure of the container assembly.

13. The system of claim 12, further comprising a housing for the controller, the motor, and the light emitting module, an exterior surface of the housing including a holding frame adapted to receive the container assembly.

14. The system of claim 13, further comprising a touch screen interface disposed on an exterior of the housing.

15. The system of claim 13, further comprising a heating module adapted to heat the printing material inside the container assembly.

16. The system of claim 15, wherein the heating module comprises a transparent surface heater disposed over portion of the holding frame.

17. The system of claim 15, wherein the heating module includes a layer of an Indium Tin Oxide (ITO) coating.

18. The system of claim 15, wherein the heating module comprises an adapter removably coupled to the holding frame, the adapter having heating elements disposed on walls of the adapter.

19. The system of claim 15, wherein the heating module comprises a heating element disposed over the arm.

20. A container assembly for printing a three-dimensional (3D) object, comprising:

a single-use enclosure housing a first chamber adapted to hermetically store a printing material and a second chamber adapted to receive a platform, wherein the second chamber is adapted to limit or prevent a rotation of the platform;

a channel within the single-use enclosure connecting a side wall of the first chamber with a side wall of the second chamber so that the first chamber and the second chamber are in fluid communication; and

a structure, movable within the first chamber adapted to transfer a portion of the printing material from the first chamber to a printing area between a surface of a window and the platform in the second chamber for receiving a curing light for curing a layer of the printing material onto the platform or onto a cured layer of the printing material on the platform, in order to build the 3D object on the platform.