6. The method of claim 5 wherein the flowing comprises agitating the secure instrument in the supercritical fluid.

7. The method of claim 5 wherein the flowing comprises agitating the supercritical fluid.

8. The method of claim 5 wherein the flowing comprises applying ultrasonic waves through the supercritical fluid.

9. The method of claim 1 wherein to clean comprises to disinfect.

10. The method of claim 1 wherein the supercritical fluid comprises CO_2.

11. The method of claim 1 wherein the supercritical fluid further comprises an ionic liquid or another gas.

12. The method of claim 1 further comprising determining the fitness of the secure instrument.

13. The method of claim 12 wherein the determining for fitness comprises:

scanning the secure instrument to obtain information regarding one or more properties of the secure instrument; and

determining whether the one or more properties satisfy one or more predetermined criteria.

14. The method of claim 13 wherein the predetermined criteria comprises an acceptable level of tearing.

15. The method of claim 13 wherein the predetermined criteria comprises an acceptable level of limpness.

16. The method of claim 13 wherein the predetermined criteria comprises an acceptable level of graffiti.

17. The method of claim 13 wherein the predetermined criteria comprises an acceptable level of soiling.

18. The method of claim 1 further comprising authenticating the secure instrument.

19. The method of claim 1 further comprising introducing a trapping material into the supercritical fluid to remove at least a portion of the one or more substances from the supercritical fluid.

20. The method of claim 19 wherein the trapping material comprises a high surface area material.

27. The method of claim 23 wherein the exposing further comprises flowing the supercritical fluid through and around the secure instruments.

28. The method of claim 23 wherein to clean comprises to disinfect.

29. The method of claim 23 wherein the supercritical fluid comprises CO_2.

30. The method of claim 23 wherein the supercritical fluid further comprises an ionic liquid or another gas.

31. The method of claim 23 wherein the sorting comprises scanning the secure instruments to determine whether one or more properties of the secure instruments satisfy the one or more predetermined criteria.

32. The method of claim 31 wherein the predetermined criteria comprises an acceptable level of tearing.

33. The method of claim 31 wherein the predetermined criteria comprises an acceptable level of limpness.

34. The method of claim 31 wherein the predetermined criteria comprises an acceptable level of graffiti.

59. The apparatus of claim 49 wherein the predetermined criteria comprises an acceptable level of tearing.

60. The apparatus of claim 49 wherein the predetermined criteria comprises an acceptable level of limpness.

61. The apparatus of claim 49 wherein the predetermined criteria comprises an acceptable level of graffiti.

62. The apparatus of claim 49 wherein the predetermined criteria comprises an acceptable level of soiling.

63. The apparatus of claim 49 wherein the predetermined criteria is whether the secure instrument is authentic.

~~64. A method for restoring a material containing at least one of an image, paint textures, and print, comprising:~~

~~exposing the material to a supercritical fluid at a temperature and a pressure and for a duration sufficient to clean the material and not compromise the image, paint textures, or print;~~

~~wherein to clean the material includes to remove one or more substances from the material into the supercritical fluid.~~

~~65. The method of claim 64, wherein the material is a document containing print.~~

~~66. The method of claim 64, wherein the material is artwork.~~

~~67. The method of claim 66, wherein the artwork comprises a painting having paint textures.~~

~~68. The method of claim 64, wherein the one or more substances includes contaminants, dirt, sebum, pathogens, or any combination of these.~~

~~69. The method of claim 64, wherein the supercritical fluid comprises CO_2.~~