CLAIMS

1. A cleaning device for cleaning a substrate, the cleaning device comprising:

a rigid mandrel having a cylindrical outer surface, a wall forming a groove extending inwardly from the outer surface and forming an Archimedean screw thread form;and

a brush formed of an absorbent material, the brush being seated within the groove and extending outwardly from the outer surface of the material, the brush forming a continuous thread form having turns, wherein a portion of the outer surface of the mandrel is not covered by the brush between adjacent turns of the brush.

2. The cleaning device of claim 1, wherein the brush is formed of one of a poly vinyl acetate foam, a polyurethane foam, and a polymeric foam.

3. The cleaning device of claim 1, wherein the groove extends from a first end of the mandrel to a second, opposite end of the mandrel.

4. The cleaning device of claim 1, wherein the brush has a circular cross-section.

5. The cleaning device of claim 1, wherein the brush has a non-circular cross-section.

6. The cleaning device of claim 1, wherein the mandrel has a passageway therethrough extending from an end of the mandrel, and a plurality of pores extending from the passageway to the wall of the groove.

7. The cleaning device of claim 1, wherein the brush is engaged within the groove by a friction fit.

8. The cleaning device of claim 1, wherein the brush is retained within the groove by an adhesive.

9. The cleaning device of claim 1, wherein the brush has a larger cross-section than a cross-section of the groove in which the brush is seated.

10. A cleaning device for cleaning a substrate, the cleaning device comprising:

a rigid mandrel having a cylindrical outer surface, a plurality of walls extending inwardle from the outer surface, each the wall forming a groove which forms an Archimedean screw thread form; and

a plurality of brushes formed of an absorbent material, respective ones of said brushes being at least partially seated within a respective groove thereby forming a plurality of continuous thread forms, and such that portions of the outer surface of the mandrel are not covered by the brushes between adjacent turns of the brushes.

11. The cleaning device of claim 10, wherein the grooves have the same pitch.

12. The cleaning device of claim 10, wherein the grooves have differing pitches.

13. The cleaning device of claim 10, wherein each brush is formed of one of a polyvinyl alcohol foam, a polyurethane foam, and a polymeric foam.

14. The cleaning device of claim 10, wherein the mandrel has a passageway therethrough extending from an end of the mandrel, and a plurality of pores extending from the passageway to the walls of the grooves.

15. The cleaning device of claim 10, wherein the brush is engaged within the respective groove by a friction fit.

16. The cleaning device of claim 10, wherein each brush is retained within the respective groove by an adhesive.

17. The cleaning device of claim 10, wherein each brush has a larger cross-section than a cross-section of the groove in which the brush is seated.