WHAT IS CLAIMED IS:

1. A method of material build-up on a tip of a blade of a gas turbine engine, the method comprising:

inserting a material supply and an inflatable bladder between the tip and a shroud such that the material supply is exposed to the tip and the inflatable bladder is positioned between the material supply and the shroud;

inflating the inflatable bladder to force contact between the material supply and the tip; and

causing relative movement between the material supply and the tip, wherein the relative movement in combination with the radial biased contact between the material supply and the tip creates heat through friction.

2. The method of claim 1, wherein the relative movement frictionally welds new material from the material supply onto the tip of the blade.

3. The method of claim 1, wherein the heat created is sufficient to melt the surface of the material supply to transfer material from the material supply to the tip.

4. The method of claim 1, wherein the relative movement is caused through rotating the engine such that the tip of the blade is rotating about the axis of the engine.

5. The method of claim 4, wherein the material supply is positioned along at least a segment of the shroud, and wherein the blade is attached to a rotating disk having multiple blades extending therefrom.

6. The method of claim 5, wherein rotating the engine causes rotation of the disk such that the tip of each blade on the disk contacts the material supply.

7. The method of claim 6, wherein rotating the engine is accomplished by an external motor turning a shaft of the gas turbine engine.

8. The method of claim 4, wherein a plurality of material supplies are positioned along a respective segment of the shroud, and wherein the blade is attached to a rotating disk having multiple blades extending therefrom.

9. The method of claim 1, wherein inflating the bladder to force contact between the material supply and the tip comprises:

supplying a fluid into the bladder.

10. The method of claim 9, wherein the fluid is supplied as a gas.

11. The method of claim 9, wherein the fluid is supplied as a liquid.

12. The method of claim 9, wherein the fluid is supplied as a foam.

13. The method of claim 9, further comprising:

supplying the fluid to a bladder pressure within the bladder to create contact between the material supply and the tip of the blade.

14. The method of claim 13, further comprising:

monitoring the bladder pressure to control the heat created through the relative movement between the material supply and the tip.

15. The method of claim 1, wherein the material supply is a material ring positioned between the shroud and tip, with the inflatable bladder being positioned between the material ring and the shroud.

16. The method of claim 15, wherein the relative movement is caused through moving the material supply axially back-and-forth.

17. A method of material build-up on a tip of a blade of a gas turbine engine, the method comprising:

inserting a ring between the tip and a shroud, wherein the ring comprises a material;

inserting an inflatable bladder between the ring and the shroud such that the ring is exposed to the tip and the inflatable bladder is positioned between the ring and the shroud;

inflating the bladder to force contact between the ring and the tip; and

causing relative movement between the ring and the tip, wherein the relative movement in combination with the radial biased contact between the ring and the tip creates heat through friction.

18. The method of claim 17, wherein inflating the bladder to force contact between the material supply and the tip comprises:

supplying a fluid into the bladder.

19. The method of claim 17, wherein the relative movement is caused through rotating the engine such that the tip of the blade is rotating about the axis of the engine.

20. The method of claim 17, wherein the relative movement is caused through moving the material supply axially back-and-forth