## CLAIMS

What is claimed is:

1. A coating removal apparatus for a component comprising:

a table having a first platform disposed along an axis, the platform arranged to receive at least one fixture for holding a corresponding component; and

a removal device having a web, wherein the table is slidably moveable in an axial direction and configured to move the fixture a pre-determined distance such that at least one portion of the component contacts the web to remove a coating of the component.

2. The coating removal apparatus of claim 1, wherein the table includes a second platform disposed along the axis parallel to the first platform, the second platform arranged to receive the at least one fixture for holding the corresponding component.

3. The coating removal apparatus of claim 2, wherein the first platform and the second platform move along a parallel first rod and a second rod respectively.

4. The coating removal apparatus of claim 1, wherein the orientation of the corresponding component relative to the web is determined by the fixture.

5. The coating removal apparatus of claim 1, wherein the web is a diamond coated belt.

6. The coating removal apparatus of claim 1, further comprising a mechanism for adjusting the removal device, wherein the removal device moves perpendicular to the axis in response to a setting of the adjustment mechanism.

7. The coating removal apparatus of claim 1, wherein the table is attached to an air cylinder to effectuate movement along the axis.

8. The coating removal apparatus of claim 1, wherein the removal device includes a wheel in communication with the web such that the web moves about a portion of the wheel.

9. The coating removal apparatus of claim 8, wherein the removal device includes a wheel guard at least partially covering the wheel and web.

10. The coating removal apparatus of claim 9, wherein the table contacts the wheel guard and moves the wheel guard axially away from the wheel such that the wheel and web are exposed to contact the component.

11. The coating removal apparatus of claim 1, wherein the fixture is mounted to the at least one platform via buttons.

12. The coating removal apparatus of claim 1, wherein the fixture includes at least one clamp to secure the component to the fixture.

13. The coating removal apparatus of claim 1, wherein the at least one fixture receives at least one additional component.

14. The coating removal apparatus of claim 1, wherein the corresponding component is one of a turbine blade and turbine vane.

15. A coating removal apparatus for a turbine engine component comprising:

a table having a first platform and second platform disposed along an axis;

at least one fixture for holding one of a corresponding turbine blade and turbine vane, the first platform and the second platform arranged to receive the at least one fixture; and

a removal device having a web, wherein the table is slidably moveable in an axial direction and configured to move the fixture a pre-determined distance such that at least one portion of the component contacts the web to remove excess coating of the component, wherein the fixture orients the at least one portion of the

corresponding turbine blade and turbine vane having excess coating to be aligned with the removal device.

16. A method for removing a coating from a component comprising:

arranging a fixture on at least one platform of a table disposed along an axis, said fixture adapted to hold a component;

providing a component to be held by the fixture, wherein the orientation of the component corresponds to the fixture;

clamping the component to the fixture; and

sliding the platform a predetermined axial distance to move the fixture such that at least one portion of the component having excess coating contacts a removal device having a web configured to remove the excess coating of the component.

17. The method of claim 16, further comprising the step of replacing the component with a second component to be held by the fixture, wherein the second component corresponds to the fixture.

18. The method of claim 16, further comprising the step of adjusting the height of the removal device in relation to the table.

19. The method of claim 16, wherein the fixture is secured on two platforms such that the component is oriented between the platforms.

20. The method of claim 16, further comprising the step of sanding the excess coating by the web surfaces of the component the web contacts.

## CLAIMS

What is claimed is:

1. A coating removal apparatus for a component comprising:

a table having a first platform and a second platform disposed along generally parallel axes, the first platform and the second platform are arranged to receive at least one fixture for holding a corresponding component; and

a removal device having a web that rotates about a wheel, wherein the table is slidably moveable in an axial direction and configured to move the fixture a pre-determined distance such that at least one portion of the component contacts the web to remove a coating of the component, the first platform and the second platform disposed on either side of the wheel.

2. The coating removal apparatus of claim1, wherein the first platform and the second platform move along a parallel first rod and a second rod respectively.

3. The coating removal apparatus of claim 1, wherein the orientation of the corresponding component relative to the web is determined by the fixture.

4. The coating removal apparatus of claim 1, wherein the web is a diamond coated belt.

5. The coating removal apparatus of claim 1, further comprising a mechanism for adjusting the removal device, wherein the removal device moves perpendicular to the axis in response to a setting of the adjustment mechanism.

6. The coating removal apparatus of claim 1, wherein the table is attached to an air cylinder to effectuate movement along the axis.

7. The coating removal apparatus of claim 1, wherein the removal device includes a wheel in communication with the web such that the web moves about a portion of the wheel.

8. The coating removal apparatus of claim 7, wherein the removal device includes a wheel guard at least partially covering the wheel and web.

9. The coating removal apparatus of claim 8, wherein the table contacts the wheel guard and moves the wheel guard axially away from the wheel such that the web is exposed to contact the component.

10. The coating removal apparatus of claim 1, wherein the fixture is mounted to the at least one platform via buttons.

11. The coating removal apparatus of claim 1, wherein the fixture includes at least one clamp to secure the component to the fixture.

12. The coating removal apparatus of claim 1, wherein the at least one fixture receives at least one additional component.

13. The coating removal apparatus of claim 1, wherein the corresponding component is one of a turbine blade and turbine vane.

14. A coating removal apparatus for a turbine engine component comprising:

a table having a first platform and second platform disposed along an axis;

at least one fixture for holding one of a corresponding turbine blade and turbine vane, the first platform and the second platform arranged to receive the at least one fixture; and

a removal device having a web, wherein the table is slidably moveable in an axial direction and configured to move the fixture a pre-determined distance such that at least one portion of the component contacts the web to remove excess coating of the component and the web rotates on a wheel with the first platform and the second platform disposed on either side of the wheel, wherein the fixture orients the at least one portion of the corresponding turbine blade and turbine vane having excess coating to be aligned with the removal device.

15. A method for removing a coating from a component comprising:

arranging a fixture on at least one of a first platform and a second platform of a table disposed along an axis, said fixture adapted to hold a component;

providing a component to be held by the fixture, wherein the orientation of the component corresponds to the fixture;

clamping the component to the fixture; and

sliding the at least one of a first platform and a second platform a predetermined axial distance to move the fixture such that at least one portion of the component having excess coating contacts a removal device having a web configured to remove the excess coating of the component, wherein the web rotates on a wheel with the first platform and the second platform disposed on either side of the wheel.

16. The method of claim 15, further comprising the step of replacing the component with a second component to be held by the fixture, wherein the second component corresponds to the fixture.

17. The method of claim 15, further comprising the step of adjusting the height of the removal device in relation to the table.

18. The method of claim 15, wherein the fixture is secured on two platforms such that the component is oriented between the platforms.

19. The method of claim 15, further comprising the step of sanding the excess coating by the web surfaces of the component the web contacts.