What is claimed is:

1. A gauge for slurry coating thickness determination, the gauge comprising:

a body; and

at least three probes extending from the body, the at least three probes providing a go-no-go indicator comprising a first demarcation that defines a minimum slurry coating thickness and a second demarcation that defines a maximum slurry coating thickness, wherein a minimum no-go region is defined between the first demarcation and a probe tip, a maximum no-go region is defined between the second demarcation and the body, and a go region is defined between the first demarcation and the second demarcation; wherein each of the at least three probes has the go-no-go indicator.

2. The gauge of claim 1, wherein the probe tip of each of the at least three probes comprises a rounded profile.

3. The gauge of claim 1, wherein the go region has a different color than the minimum no-go region and the maximum no-go region.

4. The gauge of claim 1, wherein the go region has a different cross-sectional shape than the minimum no-go region and the maximum no-go region.

5. The gauge of claim 1, wherein the go region has a different radial dimension than the minimum no-go region and the maximum no-go region.

6. The gauge of claim 1, wherein the go region has a different surface texture than the minimum no-go region and the maximum no-go region.

7. The gauge of claim 1, wherein the at least three probes comprise three pin gauges in a tripod distribution on a same surface of the body, and further wherein the at least three probes are rigid and statically coupled to the body.

8. A method for measuring a slurry coating thickness on a component, the method comprising:

positioning at least two probe tips of a gauge comprising three or more probes on a solid surface of the component coated by a slurry, wherein the three or more probes extend from a body of the gauge;

observing the slurry based on a go-no-go indicator after the at least two probe tips make contact with the solid surface of the component, wherein the go-no-go indicator comprises a first demarcation that defines a minimum slurry coating thickness and a second demarcation that defines a maximum slurry coating thickness, wherein a minimum no-go region is defined between the first demarcation and the probe tip, a maximum no-go region is defined between the second demarcation and the body, and a go region is defined between the first demarcation and the second demarcation, wherein each of the at least three probes has the go-no-go indicator;

determining that the slurry coating thickness on the component exceeds a maximum thickness based on detecting the slurry level at the maximum no-go region;

determining that the slurry coating thickness on the component is below a minimum thickness based on detecting the slurry level at the minimum no-go region; and

determining that the slurry coating thickness on the component meets a target thickness based on detecting the slurry level at the go region.

9. The method of claim 8, wherein the probe tip of each of the at least three probes comprises a rounded profile.

10. The method of claim 8, wherein the go region has a different color than the minimum no-go region and the maximum no-go region.

11. The method of claim 8, wherein the go region has a different cross-sectional shape than the minimum no-go region and the maximum no-go region.

12. The method of claim 8, wherein the go region has a different radial

dimension than the minimum no-go region and the maximum no-go region.

13. The method of claim 8, wherein the go region has a different surface texture than the minimum no-go region and the maximum no-go region.

14. The method of claim 8, wherein the at least three probes comprise three pin gauges in a tripod distribution on a same surface of the body, and further wherein the at least three probes are rigid and statically coupled to the body.

15. A system for slurry coating thickness determination, the system comprising:

a gauge comprising a body and at least three probes extending from the body, the at least three probes providing a go-no-go indicator comprising a first demarcation that defines a minimum slurry coating thickness and a second demarcation that defines a maximum slurry coating thickness, wherein a minimum no-go region is defined between the first demarcation and a probe tip, a maximum no-go region is defined between the second demarcation and the body, and a go region is defined between the first demarcation and the second demarcation, wherein each of the at least three probes has the go-no-go indicator;

a camera configured to observe a component; and

a controller coupled to the camera, the controller configured to:

observe a slurry on the component based on the go-no-go indicator after at least two probe tips of the at least three probes make contact with a solid surface of the component coated by the slurry;

determine that the slurry coating thickness on the component exceeds a maximum thickness based on detecting the slurry level at the maximum no-go region;

determine that the slurry coating thickness on the component is below a minimum thickness based on detecting the slurry level at the minimum no-go region; and

determine that the slurry coating thickness on the component meets a target thickness based on detecting the slurry level at the go region.

16. The system of claim 15, wherein the controller is configured to position the gauge with respect to the component.

17. The system of claim 15, wherein the controller is configured to trigger an alert based on determining the slurry coating thickness using one or more images captured by the camera.