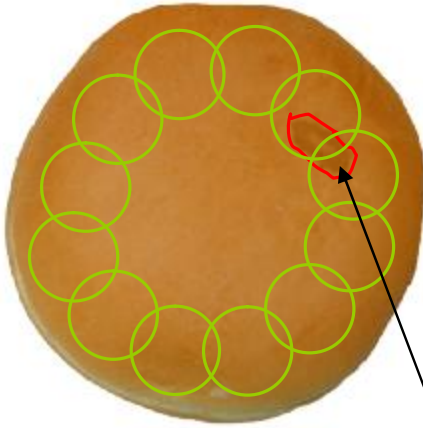


## 4" BUN QUALITY MEASUREMENT SUMMARY

### Crown Top Measurements



**Bun Height:** Average of the 100 highest points anywhere on the crown surface. Each point covers approximately 2 square mm. The 100 points cover approximately 2.5% of the crown surface.

**Slope Symmetry:** The height difference between the highest and lowest of the 12 Slope Spots on the surface of the bun.

**Diameter:** Average of 45 evenly spaced diameters.

**Roundness:** The difference between the Maximum Diameter and the Minimum Diameter (of the 45 evenly spaced diameters).

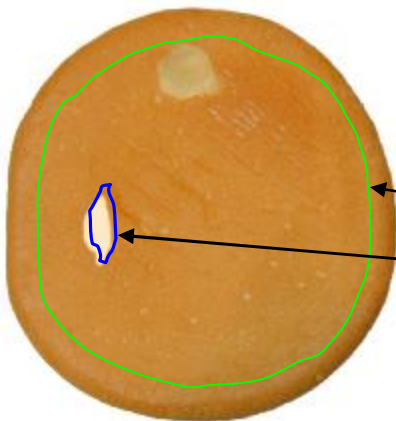
**Color Evenness:** The standard deviation of all color points on the bun's top surface. Higher numbers indicate more color variation. A good indication of bun blotchiness.

**Average Color:** The average bake color of the bun surface. Higher numbers mean lighter colors.

**Bun Score:** The estimated Bun Score for each individual bun, based on the results measured by the QualiVision system (i.e. Average Color, Bun Height, etc.). All non-measured parameters are assumed to be in spec (e.g. texture) for the bun score calculation.

**Blister Area%:** Area on the bun surface that is significantly darker than the average bun color.

### Heel Measurements



**Heel Color:** The average bake color of the bottom heel surface not covered by light areas. Higher numbers mean lighter heel colors.

**Outer Ring Color:** The color of the outside 6mm of the heel.

**Flour Mark Area:** The areas of very light ("white") areas are indications of flour marks. (Not included in the heel color.)