

Betaflex Pro Bar Code Analysis

With nearly every consumer product requiring a scannable barcode, the ability to detect and diagnose bar width problems is critical. While the correct width requires a measurement precisely perpendicular to the edge, operator error frequently causes inaccurate results.

Figure 1 depicts a printed barcode with a width of 313.5 microns. The automatic edge and angle detection algorithm assures quick, accurate, and consistent results. A single click in the bar or space to be measured automatically constructs the yellow perpendicular and calculates the exact length regardless of sample orientation.

Figure 2 Plates and masks are measured with the same automation and accuracy.

Security printing techniques using high resolution imagers can create arrays of very fine lines to deter counterfeiting. The Multiple Line Measure function automatically measures each line of the array and calculates the average width as shown in Figure 3.

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