

BCG makes it easy to create linear and circular barcodes with the greatest flexibility



BCG® is a high performance bar code generator that can be used under Microsoft® Windows® 9x, NT, ME, 2000 and XP. Barcodes can be printed on any device compatible with these operating systems, if it features a resolution high enough (600 dpi are recommended). BCG® can create barcodes in the following symbologies: EAN-8, UPC-E, Code 128, Matrix 3 bars, Interleaved, EAN-13, Code 39, Industrial, BCD matrix, Codabar/Monarch, UPC-A, Code 93, 5 bars, MSI, EAN 128, Code 32.

BCG® introduces a great innovation: it is able to produce a circularization for each of the listed symbologies. From a technical point of view, this software changes every line in a 1-D symbol with concentric circumferences of different widths; the overflow at the beginning of the barcode is achieved by choosing the radius of the inner circumference.

A circular barcode created by BCG is readable by the same devices used to read traditional barcodes, but has several advantages:

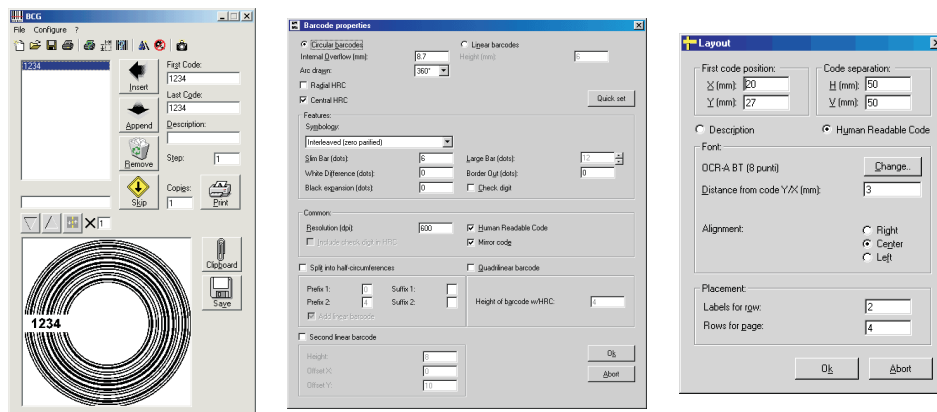
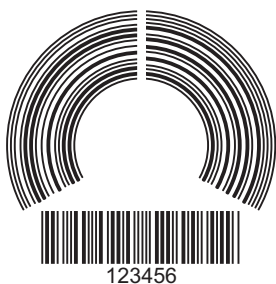
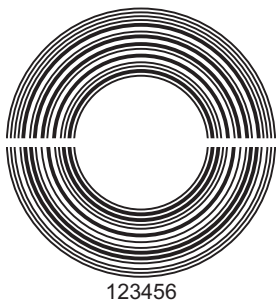
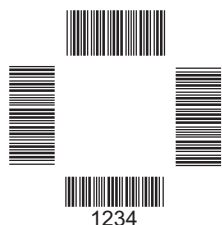
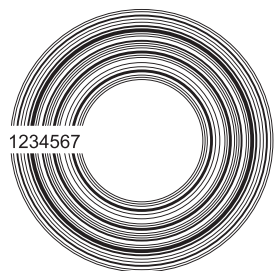
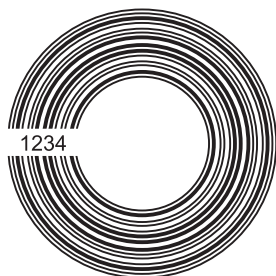
- the reading is not influenced by the orientation of the symbol, because the reading line can intersect the barcode at any angle (if it passes across the center); the symbol is, for all purposes, a distribution on 360° of the same linear barcode repeated twice for each diameter (the overflow is twice the radius); because of this, a single line scanner can be used in place of more costly raster scanners and the barcode can be printed at higher resolutions, because there is greater redundancy of information;
- it can be used to label cd-roms and DVDs, which require a perfect balancing for the label;
- the redundancy in information ensures a good reading in every case, even if the surface is partially damaged;
- by increasing the overflow (inner area), the centering of the reading line can be less precise and thus a cheaper laser can be used (instead of more costly raster readers); that's because the deformation of the bars at the sides is compensated by the reading device, that is designed for acquiring symbols on surfaces not completely flat.

By using BCG® at an adequate resolution, it is possible to print in the torus of the DVD a bar code containing up to 8 digits, without altering the equilibrium of the disc, covering text or information useful for reproduction.

BCG can create barcodes in which every semi-circumference contains half of the information being encoded; these barcodes can be integrated by a linear barcode. BCG can create even symbols with four barcodes orthogonal in pairs.

The symbology EAN 128 includes a wizard for easily creating barcodes by specifying the AIs that should be included.

BCG® is highly configurable, compact and easy to use. It allows the creation of the list of codes to be printed from other programs; this list can be imported and printed in background, without any intervention from the user. A user-friendly control panel offers advanced functions for editing the list of codes to be printed and allows to easily modify all the main configuration parameters.



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