
Space needed if using a slower acceleration

Space needed if using faster acceleration

Width of laser-scan image

Text or scanned image (bitmap) to be laser- scanned.

IF X=0 is anyplace within this area, you will get the
Extended Area error message.

One way this can happen is if you accidentally have the origin point set to
Middle/Middle and that point is too far to the left (less than half the width of the
scanned area plus the space needed to get up to speed).

Notice that the FASTER the acceleration, the SMALLER the margin area needed. I
originally set mine at about 1000 and found it too a very large margin (extended area)
when I tried to run at 200+ mm/sec. I was able increase the X acceleration to 30,000
without causing the head to stutter, so the extended space is virtually zero, meaning I
can raster (scan) most bitmaps at 300 to 400 and still have the image start near x=0.

The y axis caused other issues, as it cannot accelerate as fast. But I keep this low
(5000) and have no problems, as you don't need much y room to ramp up to y speed
during scans.