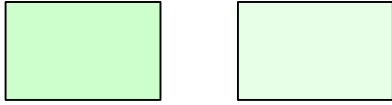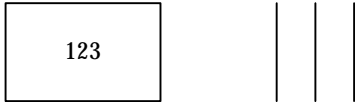**Typical Work Samples Hard to Detect in CVS2, CVS1**

(1) Detection of difference between thin colors



Especially the difference of light green colors and the one between white and light gray is hard to detect.

(2) Detection of small or fine characters/lines



When the line is approximately 1 pixel in width (obtained by imaging range divided by resolution), the color is mixed with the next color. This prevents the colors from correctly detected.
When the imaging range is 50mm, the width of 1 pixel (when the resolution of 200) is 0.25 mm

(3) Work moving in a high speed



When the work moving speed is fast and the shutter time is long, the image taken is blurred.
For details, refer to the FAQ " 5. How can I successfully take the work moving in high speed?"

The range available by incorporated light is 1m/s for CVS1 and 0.1m/s for CVS2.

(4) Work with lustrous and convex surface



Works which luster varies according to the lighted position (such as lustrous films, transparent bottles, metal tubes (cans)) have higher levels in the difficulty.
With the aid of diffusion lighting or a polarizing filter separately mounted, the image can be taken successfully and stably with the luster restricted.
The lighting technique tells much for these kinds of works.


For the combination works of the above four cases (such as the one containing fast- moving small characters), the difficulty is even more increased.