

How to use sample program

1. Set develop environment

Please download and install Visual Studio 2008 express edition & OpenCV 2.1.

- Visual Studio 2008 Express Edition

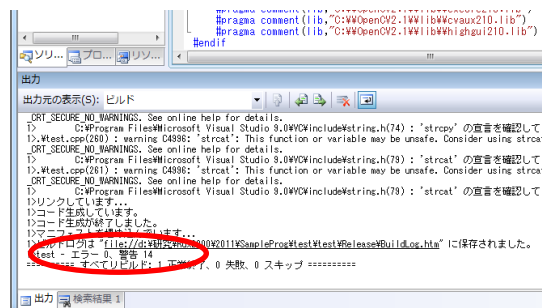
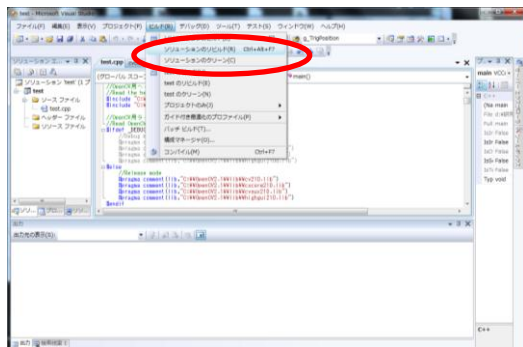
<http://www.microsoft.com/visualstudio/en-us/products/2008-editions/express>

- OpenCV-2.1.0-win32-vs2008.exe

<http://sourceforge.net/projects/opencvlibrary/files/opencv-win/2.1/>

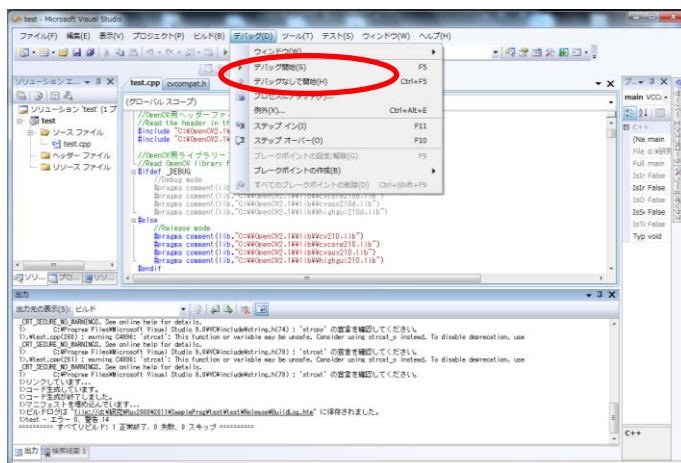
2. Click project file in “¥SampleProg¥test¥test”

3. Click “Build” -> “Rebuild solution”



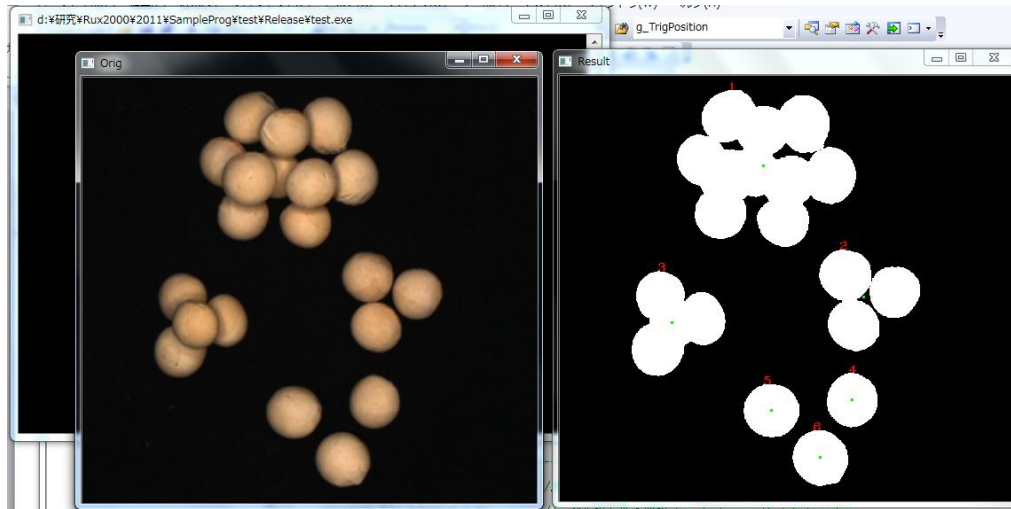
4. Run

Make folder under “C:”. Folder name is “Shiigi”.

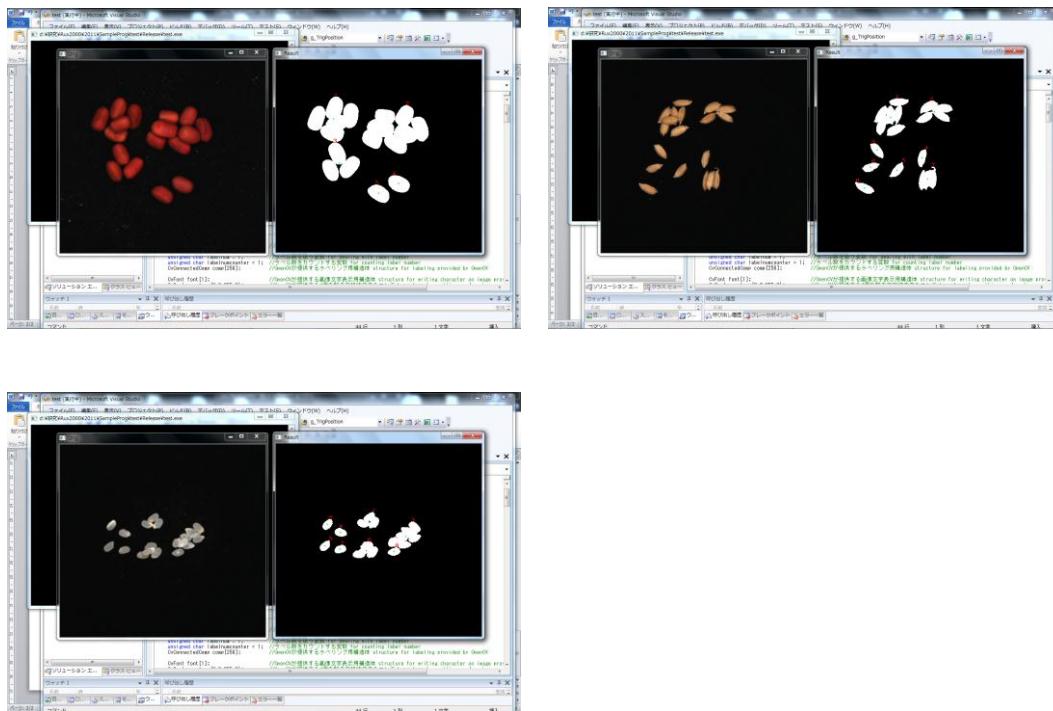


5. Be showed image as below.

Move pointer on image and click Enter.



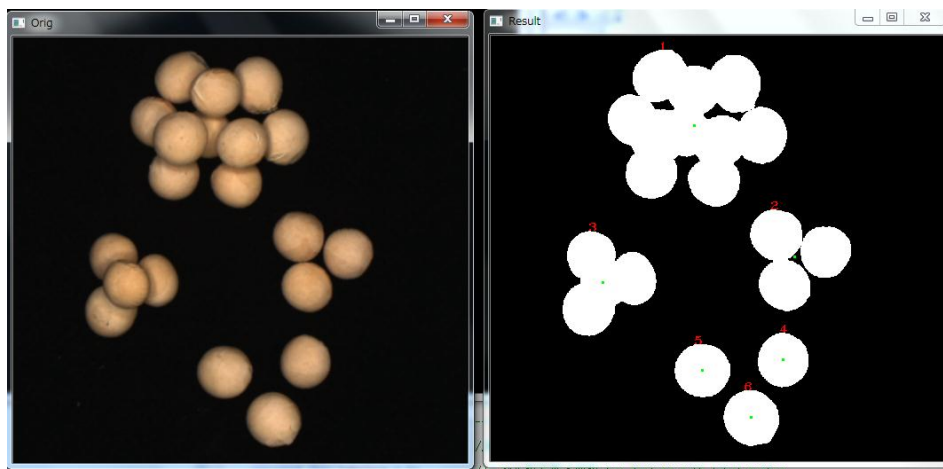
6. Be shown image as below every click Enter.



Outline of sample program

1. Read 4 sample images (test image to construct algorithm) one after another.
2. Split RGB image, and binarize R image by using 40 value as threshold.
3. Process labeling
4. Calculate gravity position
5. Show label value & gravity position on binary image.

(Red number indicates label value, green point indicates gravity position)



6. Save result image and text files to folder (C:\¥Shiigi)