This a little how to on setting up Visual Studio Community 2013. Which is free for certain uses. Read about the license rules on the download page. Download Visual Studio Community 2013 from visual studio website….
https://www.visualstudio.com/en-us/products/visual-studio-community-vs.

This download .exe is only about 1MB , but once you launch it the installer will download and install the rest of what it needs and will be about 10GB total.

After installed, you will need to download the MFC library for Visual Studio 2013 from windows website, here…
http://www.microsoft.com/en-us/download/details.aspx?id=40770   and install.

Next launch VS 2013 and open the BuildExamples.sln.

When first opening BuildExamples.sln there is a window stating there will be a One- Way upgrade to the following projects. This may take a while, the progress will show at bottom of VS window. When finished with One-Way upgrade, go to View>Ouput and View>Error List. There will the following warning…

> *Warning 1 There was a mismatch between the processor architecture of the project being built "MSIL" and the processor architecture of the reference "KMotion_dotNet, Version=1.0.1.0, Culture=neutral, PublicKeyToken=fcaf9556d6f68c3a, processorArchitecture=x86", "x86". This mismatch may cause runtime failures. Please consider changing the targeted processor architecture of your project through the Configuration Manager so as to align the processor architectures between your project and references, or take a dependency on references with a processor architecture that matches the targeted processor architecture of your project. KMotion_dotNet Console*

Next navigate to Build>Configuration Manager. Change "Acitve solution configuration:" from "Debug" to "Release". And change "KMotion_dotNet Console" from "Any CPU" to" X86". And Warning will go away.

In the Solution Explorer view on the right, navigate to KMotionCNC folder and open KMotionCNCDlg.cpp file. There will be a IntelliSense Error. Right click on Error and click on "Show IntelliSense Errors" to uncheck it. Then check the directory for KmotionCNCDlg.cpp files by navigating to Project>KMotionCNC Properties and change" Ouput Directory" and "Intermediate Directory" from ".\Release\ " to the directory you have installed KMotion to, most common is C drive, like this…"C:\KMotion432\KMotion\Release\".

Next click Build>RebuildKMotionCNC.

If you are using KMotion version 432, there will be an error like this…..

error C2556: 'int round(double)' : overloaded function differs only by return type from 'double round(double)'
       c:\kmotion432\pc vc examples\kmotioncnc\lib3d\Utils3d.h 15 1 KMotionCNC

In the Solution Explorer view, navigate to KMotionCNC>Lib3D and open Utils3d.cpp and Utils3d.h. In the Utilis3d.cpp file remove this statement…

int round(double x)
{
        int _ceil = (int)ceil(x);
        int _floor = (int)floor(x);
        if((_ceil-x) < (x-_floor))
                return _ceil;
        else
                return _floor;
}

In the Utils3d.h file find this statement and remove it.…

// Rounding
int round(double x);

Then Save All and Rebuild KmotionCNC again.

The warning "C4996" can be ignored. If there was no Rebuild issues push the F5 button on keyboard and see that the debugging launches the KMotionCNC. There might be 2 warning windows that pop up, just click Yes.