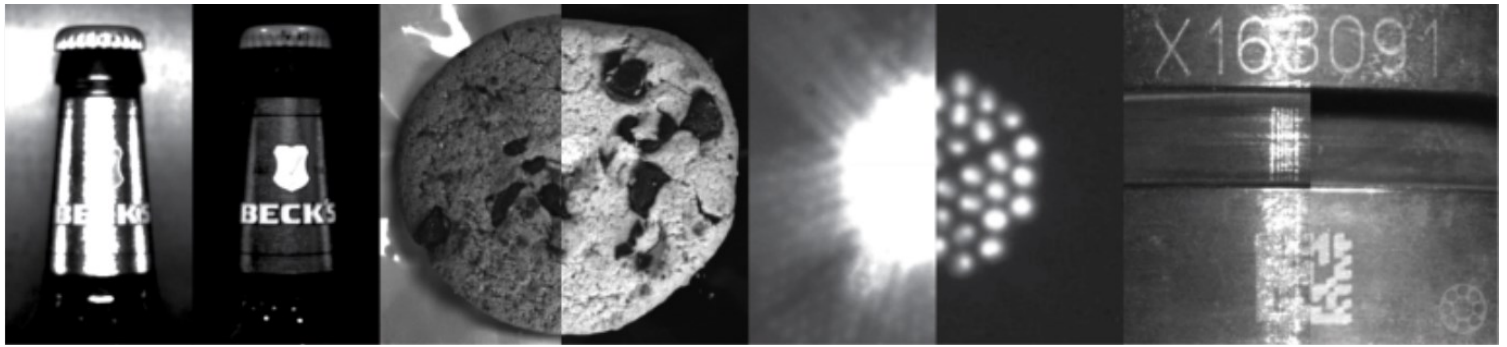
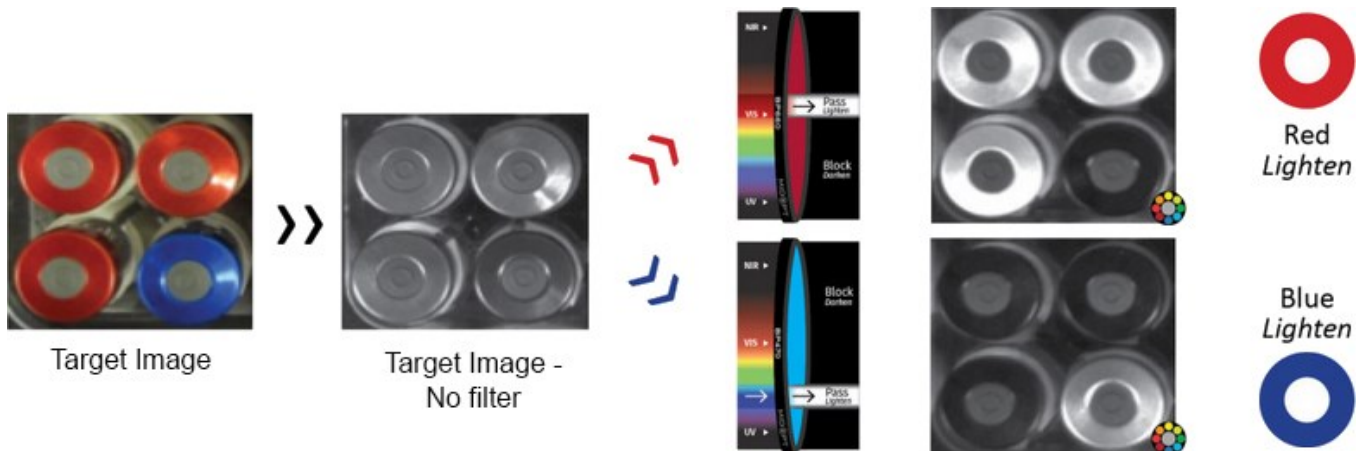


APPLICATION BREAKDOWN:

Better Machine Vision from Optical Filters



Filtering is a critical component of any machine vision system. Using the correct filter to get the best result is often the difference between needing a full-color or monochrome camera, and can get more performance from less lens. The right filters can provide higher contrast and resolution, better signal-to-noise ratio, and are sensitive to near-ultraviolet, visible and near-infrared spectrums.



In color camera applications, filtering blocks near-infrared light to prevent over-saturation, reduces glare, corrects the effects of artificial lighting, and allows longer exposure times by reducing the light entering the lens and camera.

MidOpt (Midwest Optical) has an excellent set of tools for selecting the filters you need for your application. You can find the right filters based on application issue, lighting wavelength, and filter mount and size:

www.midopt.com/solutions

