

## Machine Vision and Vision Guided Robots

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Vision guided robot (VGR) applications are quickly becoming commonplace in no small part due to developments in machine vision technologies which is now extending its reach. There are exciting advances both in imaging components and processing software. While many of the new vision technologies which I will describe is not limited to or even made for robotic guidance but their adaptation to VGR applications appear to be imminent. Machine vision, which was primarily a tool for industry 4.0, has an obvious extension to robotics with unique challenges that needs to be addressed. One major contributor to this is the range and diversity of imaging systems that are now available at reasonable cost. In addition, by adding smartness to these imaging systems, decision making can be further speeded up. In this article, we will showcase some novel imaging systems developed at d'Optron with some simple demonstration of their capabilities.

### About author

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