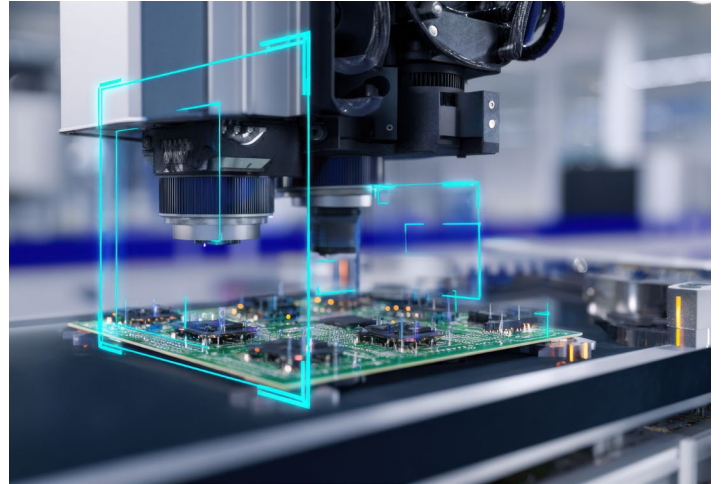
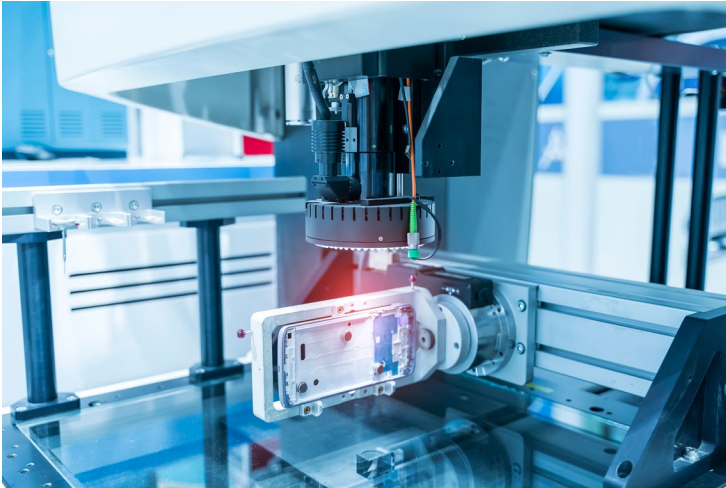




Liquid lens solution for machine vision



Corning® Varioptic® is working with leaders of the machine vision ecosystem. Quality control, inspection on product lines, colorimetry, defect analysis... the scope of application is never ending. The requirements in terms of image quality are however always extremely high and applications are often limited by the physics of their optical system, namely the depth of field.

Customer's expectations

Our customer had the following use-case:

- Reduce the number of cameras by capturing sharp images at different depths
- Extremely high image quality
- Fast focus switch to match their high-speed camera

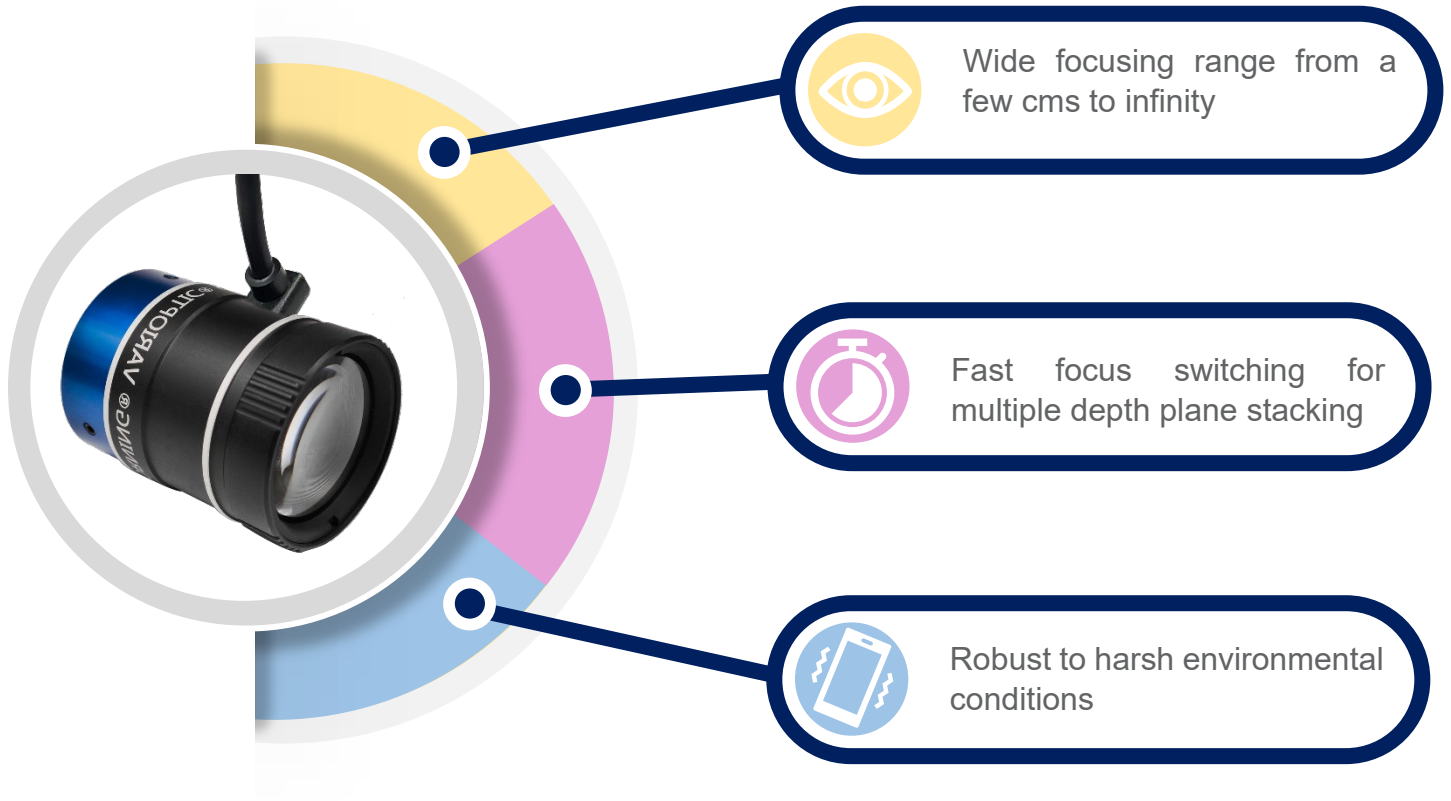
Selection of a liquid lens optical module

To match our customer's camera parameters, we selected one of Corning® Varioptic®'s C-mount module compatible with a 20MP 1.1" sensor. This new line of product can focus down to 15cm and capture sharp images up to infinity with no compromise on the image quality.

The embedded electronics allows the user to drive the liquid lens directly. Additionally, its calibration data provide an optimized response time that can match the sensor's requirement.

Finally, the thermal compensation ensures a stability of the optical power even under harsh environmental constraints.

Key solution highlight



Contact us

You would like to know more about our products, or you have a specific use-case in mind?

Please visit our website: [Corning® Varioptric®](https://www.corning.com/varioptric)

Or contact us at varioptric@corning.com

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