Automotive manufacturers are employing vision-equipped robotic insertion systems to ensure the correct placement of vision sensors that monitor the image data to guide robotic assembly operators.

The EzRG software runs on a standard industrial PC or remote server and interfaces with the 3D sensors, robot controller, and PLCs to guide the operation of the windshield insertion system. The EzRG software creates a virtual model of each vehicle closure and sends data to the EzRG software, which controls the actuators and sensors to guide the windshield into position on the aperture and insert it into the vehicle.

The EzRG software can integrate with a variety of robotic systems to guide the windshield into position. The EzRG software can be used with a wide range of robotic systems, including six-axis robots, multi-axis robots, and collaborative robots. The EzRG software can also be used with a variety of cameras, including 2D cameras, 3D cameras, and structured light cameras.

The EzRG software is designed to be flexible and can be customized to meet the needs of different automotive manufacturers. The EzRG software can be integrated with a wide range of robotic systems and can be used with a variety of sensors to guide the windshield into position on the aperture.

The EzRG software is designed to be easy to use and can be customized to meet the needs of different automotive manufacturers. The EzRG software can be integrated with a wide range of robotic systems and can be used with a variety of sensors to guide the windshield into position on the aperture.

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