

ACTIVE ALIGNMENT

IMPROVING CAMERA MODULE
POSITIONING

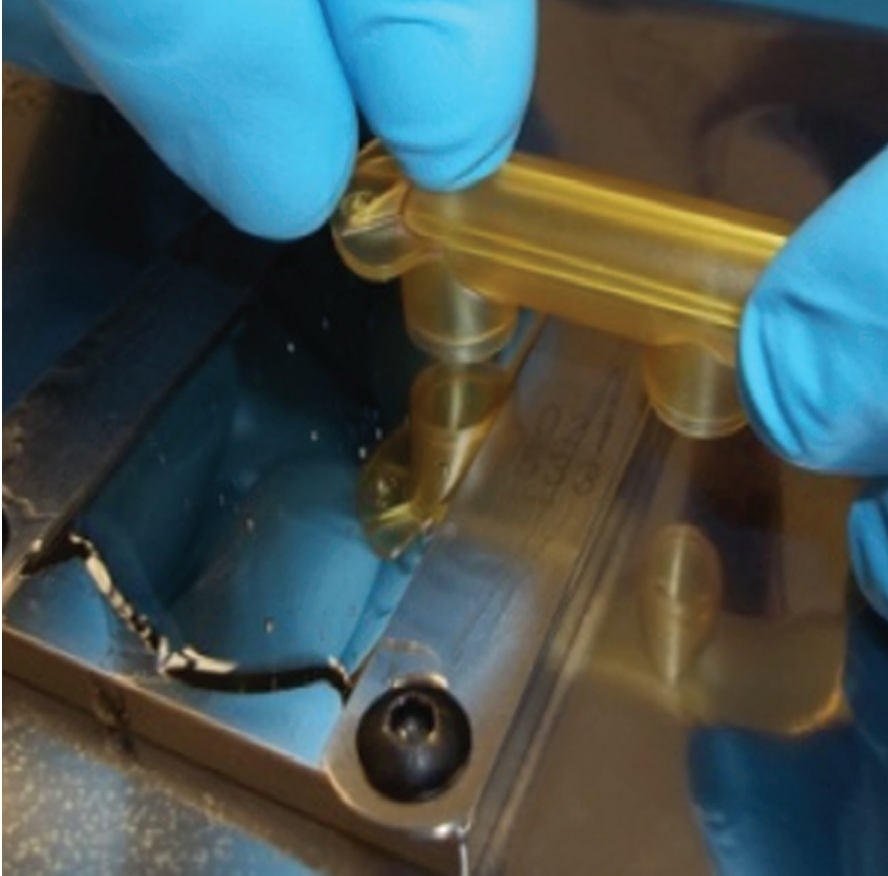
JABIL

Camera module demand is growing, driven by recent advances in, and demands for, mobile technology such as smart phones and tablet computers, as well as growth in medical device and automotive applications.

And not just any camera module will satisfy the increasingly savvy users. To achieve the highest focus quality across the image area, Jabil's experts use Active Alignment to move camera lens in five or six degrees of freedom, relative to image sensor. This process allows for more accurate placement of the lens than the traditional passive alignment.

DEVELOPING ADVANCED
AUTOMATION
AND INTEGRATION
TECHNOLOGIES

Active Alignment



About Jabil

Jabil's unique combination of global expertise, ingenuity, analytics and financial performance has contributed to the success of the world's most well-known brands. We help companies design, build and take their products to market quickly, affordably and efficiently. But more than that, Jabil helps customers intelligently design their supply chains to be agile, economical and effective even in uncertain times.

We provide supply chain services to some of the world's most respected and trusted brands in a broad range of industries, including defense, aerospace, automotive, clean technology, computing, consumer, industrial, instrumentation, healthcare, networking, peripherals, storage and telecommunications.

www.jabil.com

The Jabil Difference

Jabil's optical engineering team delivers complex, high efficiency opto-electronics modules for a diverse customer base. Utilizing deep expertise and patented processes, Jabil collaborates with customers to design groundbreaking optical modules and devices ranging in size from miniature to massive.

Customers reduce their development time and cost by taking advantage of Jabil's experience in engineering, supply chain management, manufacturing technology and on-going support to augment their own teams.

Lean manufacturing principles and Six Sigma methodologies are an integral part of the design and manufacturing process, decreasing waste and defects while optimizing total landed cost.

How Jabil's Customers Benefit

As higher resolution cameras and optical devices continue to improve, the process and accuracy of positioning the lens to the sensor must be improved to realize the added benefits and the overall image quality the camera produces.

Jabil understands this need and has developed advanced automation and

integration technologies to maintain productivity, achieve higher yields and offer customers cost competitive solutions.

Jabil Optics

Jabil's Optical Technology Group – a dedicated design engineering team servicing a broad range of applications that includes customized optoelectronics modules for Healthcare and Life Science, Digital Projection, Automotive and Lighting Management.

Our customers enjoy our proven expertise in miniaturized projection engines and specialized camera systems. By developing long-term relationships with our customers and collaborating on design, we create differentiated products. By combining design engineering services and manufacturing, we help customers grow revenue and margin.

Market Segments

- Healthcare
- Mobility
- Wearables
- Consumer Lifestyle
- Automotive

Jabil Optics

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