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Micro-Optics for Wearable Devices

Tuesday, May 18, 2021 1:00 PM - 2:00 PM EDT

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.: About This Webinar

With the pressure on design engineers to deliver smaller, lighter, and more cost-effective components, many are turning to micro injection molding for support. Micro-optics present greater challenges, given their associated requirements for tighter tolerances and surface finishes. In today's manufacturing environment, micro-molders are developing new techniques to meet these challenges.

This presentation explores the advantages of partnering with a micro injection molder early in the design phase, focusing on micro-optics for wearable devices across many markets. These application fields include devices for fitness and medical sensing, as well as emerging technologies.

Rick Brown of Accumold highlights specific design and production challenges that micro-molders have seen and how they have been addressed. Brown also covers some secondary operations that can add value to a molding operation. The webinar concludes with a live Q&A.

Who should attend:

Purchasers, researchers, quality controllers, and all others involved in the various applications or wearable micro-optics. This may include medical, consumer, and defense devices. This webinar provides a current look at the wearables market and highlights concerns relevant to both developers and end users.

About the presenter:

Rick Brown is the senior sales engineer for optical molding at Accumold. He has a strong technical background in injection molding, having been in the business for 47 years, and has been actively involved in optical molding for most of his career. His experience in optical molding began in the late '70s, working on molds for Polaroid and Kodak. Brown's work has had a significant impact on building the molding focus of Accumold's business. He enjoys working closely with his customers on design and implementation of their ideas, from white board to production parts.

About the sponsors:

This webinar is sponsored by [Accumold](#). Accumold is a high-tech manufacturer of precision micro, small and lead frame injection molded plastic components, creating molded parts that range in size from 5cm, with micro features, to parts that are less than 1mm in size, often including tight tolerances measuring only a few microns. Processes include: insert molding, clean room molding, 2-shot molding, and custom automated manufacturing cells; materials include: PEEK, Ultem, LCP, and most engineered thermoplastics; markets include: Micro Electronics, Medical, Micro Optics, Sensors, and other emerging technologies.



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