

For Immediate Release

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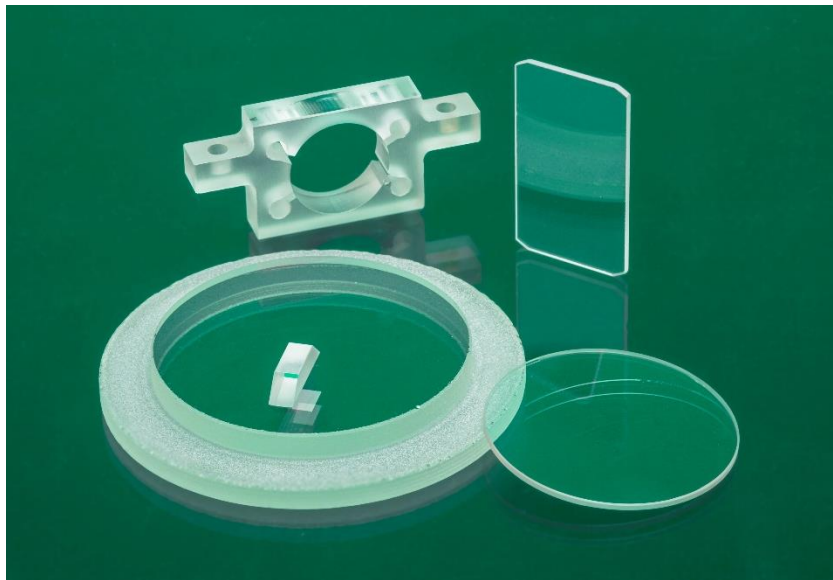
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**New IRD White Paper Provides Guidelines for
Design of Precision Super Hard Components**

Download the White Paper FREE at

<https://www.irdglass.com/wp-content/uploads/2019/11/5-Most-Common-Mistakes-in-Designing-Precision-Super-Hard-Components-1-1.pdf>



IRD fabricates precision components from super hard materials for a wide range of industries and applications. This new white paper identifies the most common design mistakes that increase cost and compromise quality and provides guidelines for designers of super hard material components.

January 29, 2020, Litchfield, Minnesota. IRD Glass (IRD), a premier fabricator of custom precision optics, including those from super hard materials including sapphire and many ceramics, has announced availability of a new white paper titled “**5 Most Common Mistakes in Designing Precision Super Hard Components**”.

The white paper includes a case study involving a precision flat sapphire window for a photonics application. The case study highlights the outcome of a

typical Design for Manufacturability review involving the customer and IRD representatives.

For nearly 40 years, IRD has been manufacturing precision optical and non-optical components in super hard materials. Roughly 80% of the designs have benefited from IRD's proprietary Design for Manufacturability (DFM) Review.

During these reviews, IRD technical staff and customer designers consider material selection, design features, and specifications relative to total cost and quality of the component.

“With four decades of experience producing precision components from super hard materials, we have seen a lot of applications and developed capability that makes IRD a leading fabricator of these materials,” stated Todd Anderson, IRD's Vice President of Business Development.

This white paper documents the most common opportunities identified by the IRD technical team for improving designs of parts from super hard materials for both optical and non-optical applications.

Download the white paper at no cost or obligation at <https://www.irdglass.com/wp-content/uploads/2019/11/5-Most-Common-Mistakes-in-Designing-Precision-Super-Hard-Components-1-1.pdf>.

About IRD Glass

IRD Glass is a privately held Minnesota (USA) based company that specializes in manufacture of custom precision optics and ceramic components. The company's 75 employees proudly serve some of the most demanding global customers including Honeywell, TDK, Collins Aerospace, 3M, CyberOptics, Trumpf, Alcon, L3Harris, and Agilent.

IRD is veteran-owned, ITAR and ISO 9001:2015 registered, and AS9100 compliant.

For more information about IRD or its products or services, please call (320) 693-7217 or visit <https://www.irdglass.com>.

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