


a touch of Glass

Brought to you by your glass experts at  IRD glass

February 2016

{!Contact.FirstName},

As the holidays fade into memory and businesses ramp up for the new year, IRD Glass looks forward to an active trade show season and a productive new year. Let us know how we can be of service to you and your company!

See you in San Francisco!

**SPIE. PHOTONICS
WEST**

**FEBRUARY 16-18, 2016
BOOTH 4025**

IRD Glass has been performing our "magic" for over 34 years! Let us help ease your frustrations.



**Shanna
Borowicz,
IRD's New
Business
Development
Cell Lead**

Making the Impossible, Possible!

Since 1982



Do you have drawing requirements that are **unattainable**?

Are you working with an **unachievable** delivery requirement?

Does your search for a sapphire, ceramic or glass component vendor that truly cares about you and your needs seem **hopeless**?

Let IRD Ceramics assist you. No magic tricks, just good old-fashioned dedication and commitment. Imagine the **possibilities**!



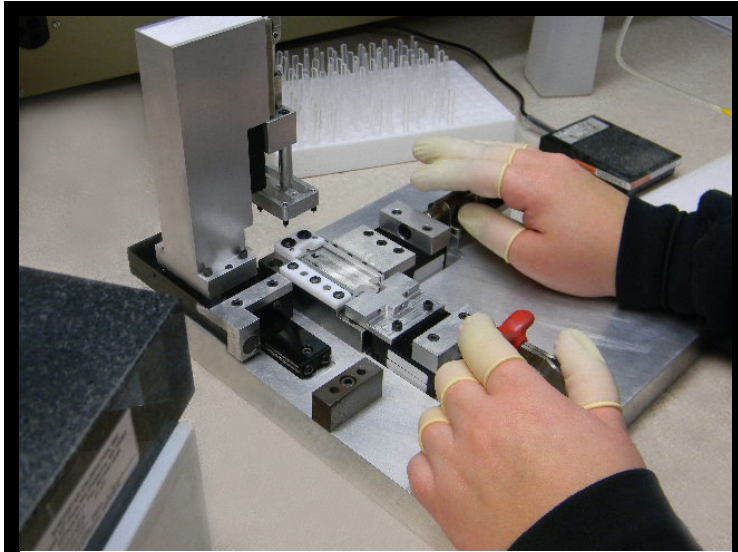
The BDC (Business Development Cell), at IRD oversees the production of part numbers that have passed through the New Product Introduction cycle, but may not yet be qualified to stand on their own. The BDC focus is to further develop and fine tune the manufacturing process for efficiency and yield.

With over fifteen years experience, Shanna steps comfortably into the recently created position of IRD's BDC Lead.

We're excited to have her there! Shanna's extensive experience in the lap and polish area, work in machining, the pressure transducer cell and inspection areas, make her a great fit for this lead position. She's worked just about everywhere here at IRD. And if there's a question in production, Shanna will usually have the answer you're looking for!

Shanna is married, with two kids and two dogs; can you believe that that young face is a grandma?! She spends most of her free time adoring her grandson, and camping and biking with family.

Got a question for IRD? Shanna most probably can help! Find her at



Working and partnering with customers, IRD develops and refines processes to optimize production and meet customer needs.

Partnering with Customers to Make the Impossible, Possible!

Recently a customer came to IRD Glass wanting to manufacture a specialty slide for a reusable medical application. The slides had exceptionally tight dimensional specs, required precision assembly, and would be subjected to constant rigorous medical grade inspections. Working in direct partnership with their engineering team (even visiting them in Switzerland) IRD made some manufacturability suggestions to defray unnecessary costs and risks. After some final tweaking on both sides, the slides were produced and sent to the field for testing.

Initial tests were very promising, but not quite where they needed to be. New fixturing was created, and the process was revised and improved, with the final result being a finished part that gave the customer exactly what they wanted.

This reusable slide is just another example of how IRD Glass partners with its customers and works tirelessly to find customer-specific solutions designed for their needs. IRD's Glass Experts seek out solutions. They listen to what their customers are striving to achieve, work to

shanna@irdglass.com.



UPCOMING TRADE SHOWS

IRD Glass will be showing at these events in 2016. Be sure to stop by our booth to say hello!

SPIE

Photonics West

Booth 4025

**Michelle deCastro,
Todd Anderson and
Dirk Kvale Showing**

February 16th - 18th, 2016
San Francisco, CA

SPIE Defense and Commercial

Sensing

Booth 758

**Michelle deCastro and
Dirk Kvale Showing**

April 19th - 21st, 2016
Baltimore, MD

Ceramics Expo

Booth 815

**John Rutledge and
Todd**

Anderson Showing

April 26th - 28th, 2016
Cleveland, OH

understand their operations and opportunities and deliver exactly what's needed. Do you have a project you'd like to discuss? Let us help you make the impossible, possible. Call or email us today! 320-693-7217 or ben@irdglass.com



News & Updates

• Merry Christmas 2015

Best Wishes and God Bless You All this Holiday Season!! It is our hope and prayer that everyone is able to find that true secret of Christmas - Peace and Joy, especially in these times of global and national unrest. We pray you are able to re-center, focus on your personal values and priorities, and stride into the New Year with a sense of peace and confidence that all is good in the world.

- From Your Friends at IRD Glass and IRD Ceramics

• November 2015

JIT or Kanban inventories at IRD Glass and IRD Ceramics offer customers a consistent and steady supply of products and a predictable work flow for us. A win-win all the way around. Call or email today to discuss options that may be a fit for your needs! Call 320-693-7217 or send us an email at ird@irdglass.com

• September 2015

New lap and polish capabilities announced at IRD Ceramics. This technology is producing very flat, parallel, and smooth plano optics with diameters of 102mm and smaller with 0.5 to 5.0 mm thickness. Typical flatnesses of .25-.50 wave have also been achieved, with the potential to achieve .01 wave and <5 nm RMS in certain cases. Contact John Rutledge at jdr@irdceramics.com or 320-759-2216.

• August 2015

IRD Glass is growing and staffing up to meet increased demand. We've added management and engineering personnel and 13 new production floor support people - all to assist with making sure our customers receive the quality and

Am Con

Booth 112
Michelle deCastro
and Todd Anderson
Showing

May 24th - 25th, 2016
Phoenix, AZ

Sensors Expo

Booth 648
Todd Anderson and
Michelle deCastro
Showing

June 22nd - 23rd, 2016
San Jose, CA



Laughing My Glass Off!

A young engineer was leaving the office at 6pm when he found his boss standing in front of a shredder with a piece of paper in his hand.

"Listen," said his boss, "this is important, and my secretary has left. Can you make this thing work?"

"Certainly," said the young engineer. He turned the machine on, inserted the paper, and pressed the start button.

service they deserve. You'll notice the changes and we welcome your feedback! Let us know how we're doing and what we can do for you and your company.

- **Early Spring 2015**

It's been a busy season for trade shows! IRD exhibited at Photonics West in February. April we were at Am Con, Design of Medical Devices, Aerodef and Ceramics Expo. May found us in San Jose at CLEO. There's still time to catch us though. Look for our upcoming shows in the far right column. Stop by and see us. There's a lot going on at IRD to talk about!

- **February 2015**

In February IRD celebrates the addition of Gerard Crosby, a key addition to our new product cell.

- **October 2014**

Installation of our newest Speedfam 16B Double-sided Lapper

- **August 2014**

WELCOME to Michelle deCastro, IRD Glass' new National Sales Manager! Yay! Please contact Michelle with your glass needs michelle.decastro@irdglass.com

"Well done, Well done!" said his boss as his paper disappeared inside the machine. "I just need one copy."

Credit: Engineering-humor.com

The logo for IRD glass features the letters "IRD" in a bold, green, sans-serif font. Below the "RD" is the word "glass" in a smaller, lowercase, green font. A white circle is positioned behind the "I" and "R", partially overlapping the "D".The logo for IRD ceramics features the letters "IRD" in a bold, green, sans-serif font. Below the "RD" is the word "ceramics" in a smaller, lowercase, green font. A white circle is positioned behind the "I" and "R", partially overlapping the "D".

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