



Momentum | Intersection:

A Collaboration of Industry & Art Summary

The Arts Commission invites creative individuals to reimagine the potential of Pilkington float glass toward the creation of projects funded through **Momentum | Intersection**, a collaboration of industry, design, and art. To this end, The Arts Commission seeks to provide new partnerships between applications of glass as an artistic medium and manufacturing processes with a call for proposals. This exhibition is a unique opportunity to see the inside workings of the float glass process, gain access to career professionals who make the glass, and integrate this industrial material into your own work.

Inspired by the experimental glass workshops held in Toledo, OH, in 1962 The Arts Commission is requesting interested artists, designers, architects, engineers, and other creatives working with glass to submit a portfolio and statement of interest to participate in the fourth edition of an industrial collaboration with Pilkington Glass North America part of Nippon Sheet Glass Co., Ltd. (NSG).

The **Momentum | Intersection** 2022 exhibition will coincide with the International Year of Glass, an initiative approved by the UN and led by the International Commission on Glass (ICG), the Community of Glass Associations (CGA), and ICOM-Glass. This is a year long celebration of the essential role of glass in human history, art, technology, and science. The City of Toledo, also known as the Glass City, is proudly embracing this opportunity with a number of glass related exhibitions and celebrations.

A panel of jurors will select up to six artists to tour Pilkington Glass North America facilities and be given demonstrations of their materials. Applicants will be given a sampling of glass of their choice and three months to experiment with materials before submitting final project proposals due December 2021. Proposals selected from the candidates will be given materials, an honorarium, and exhibition space during the Momentum Festival in 2022. Accepted participants will be invited to tour NSG's manufacturing plant; attend seminars on the history of glass manufacturing;

learn about materials from NSG research and development engineers; be given demonstrations on various applications of glass materials; be provided with materials of the participants choice; and receive ongoing support from NSG technical teams who will continue to be available throughout the process.

The initial tours are tentatively scheduled during the **Momentum | Intersection** 2021 exhibition from September 30 - October 2, with a product introduction with selected artists. Should travel restrictions remain in place due to the COVID-19 pandemic all seminars will take place virtually.

Momentum | Intersection 2021 will feature works by the 2019 and 2020 selected artists Jason Robert Bauer (Newburgh, NY), Carrie Iverson (Arlington, TX), Kristine Rumman (Philadelphia, PA), Dylan Palmer (Chicago, IL), Helen Lee (Madison, WI) in collaboration with Alice Chau (San Francisco, CA), and Nate Ricciuto (Columbus, OH).

Pilkington North America Sample Boxes include:

Product and trends	How Is It Used?
NSG TEC™	Transparent conductive oxide (TCO). The glass and coating essentially become a transparent wire. Glass is used anywhere a wire would be to enable a wide variety of technologies - heated glass, dynamic and switchable glass, LED embedded glass, Faraday cage creation, refrigeration, phone signal attenuation, etc. https://youtu.be/ONEeKNfqU2o
Improved building health	Improving the occupant health and conditions of the built environment is a significant challenge for the architectural community today. This can be done in a variety of ways. Additional daylighting in buildings has well known benefits for occupants. Pilkington Sanitise™ - Anti-microbial coating on glass to reduce cleaning routines required to create a healthier, cleaner, and safer world. https://youtu.be/oUxIRnmlsTc Pilkington Activ™ is a coating which is typically used to reduce cleaning and maintenance on buildings which helps reduce water usage and chemical cleaner use. This product also has some excellent health

	<p>benefits as it breaks down NOx, oxone, and other air pollutants. Can be used on the inside or outside of buildings.</p>
<p>Pilkington Optiwhite™</p>	<p>Low iron flat glass. Used in buildings, display cases, displays. Low iron = high light transmission and low color change through glass.</p>
<p>BIRD friendly glazing</p>	<p>The architectural world is working to minimize bird strikes on buildings by creating visual markers in the glass. Ideal development technologies create products which are highly visible to birds but have a minimal impact on the building aesthetics and to people in and around the building. https://www.youtube.com/watch?v=-Li82_32Mnq</p>
<p>Adaptive Reuse</p>	<p>With the climate change crisis, there is constant pressure to improve energy efficiency and find ways to reduce our carbon footprint. Existing buildings offer an outstanding potential resource in this fight. Although many existing and historic buildings are energy inefficient, the reuse of these buildings can significantly reduce the overall carbon footprint as compared to new construction. https://youtu.be/QBlqn1lxcuI</p>
<p>Thin glass and lightweighting, flexible material</p>	<p>Glass thickness and weight can impact new construction design as well as adaptive reuse. The inclusion of thin and more flexible glass is becoming an interesting solution to several architectural designs from light weighting designs, minimizing carbon impacts, or creating impact resistant building skins. Flexible and dynamic facade designs are also becoming increasingly important. https://youtu.be/guwZnkVWj78 (~min 40)</p>

<p>Pilkington MirroView™</p>	<p>Semi-transparent mirror. Used to hide TVs and displays in bars, restaurants, lobbies. Uses masking ratio of lighting to either view the mirror portion or see the display through the glass. https://youtu.be/QBlqn1lxcuI</p>
<p>Pilkington Mirropane™</p>	<p>Similar to The Pilkington MirroView™, but PilkingtonMirropane™ is a very dark, low light transmission glass. This is used primarily for one-way glass such as in police stations.</p>
<p>Pilkington OptiView™</p>	<p>Anti-reflective glass. Used in buildings (press boxes, stadiums), display boxes, etc. Reduces the reflection of the glass and increases the light transmission. https://youtu.be/p6WZYkEFh2k</p>
<p>Pilkington Texture glass - Reeded™, Oak™, Autumn™, etc.</p>	<p>Architectural interior and display. Many different styles and visual effects are possible.</p>

Previous Jurors

(2022 Jurors to be Announced)

Tina Aufiero - Artistic Director at Pilchuck Glass School from 2012–2016.

Kevin Sanderson Ph.D., CChem, FRSC - Research and Development Director at Pilkington North America.

Shannon R. Stratton - Executive Director of Ox-Bow School of Art and Artists' Residency

Douglas Heller - Co-Founder of Heller Gallery

Katya Heller - Fellow of the Corning Museum of Glass, the Vice-Chair of the Board of Directors of UrbanGlass, and a member of the Advisory Board of the Czech Center-New York

Dr. Katerina Ruedi Ray – Professor and Director Emeritus of the Bowling Green State University School of Art

Alli Hoag - Full Time Instructor and Glass Area Head at Bowling Green State University

Diane Wright - Senior Curator of Glass and Contemporary Craft at the Toledo Museum of Art

Kyle Sword - Business Development Manager for NSG Pilkington North America

The conceptual framework of the program is as follows:

With a deep background in commercial production and as the birthplace of the studio glass movement, Toledo, OH has served as a nexus between art, industry, and innovation through its historical connection to the material of glass. **Momentum | Intersection** seeks work that celebrates this unique history of glass.

Jurors will be selecting entries that exemplify:

- Re-contextualization of traditional and cutting-edge float glass materials with artistic or design focused solution
- Subversion of industrial materials through creative intervention
- Using NSG float glass as research that encourages experimentation and new approaches in one's practice

Eligibility

The call for proposals is open to any artists, designers, architects, engineers, and others interested in working with glass regardless of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability.

All artists submitting must be available to travel to Toledo, OH and be on site from September 30 - October 2, 2021 pending travel restrictions due to the COVID-19 pandemic. All entries must be original. No copies of artworks or reproductions will be accepted. The Arts Commission reserves the right to refuse any work.

Submission Instructions / Entry Procedure

If your qualifications fit the criteria as outlined, please follow these instructions to be considered for funding. Full proposals will be requested if

selected as a finalist. Please submit the following information:

- Contact info (name, email, phone number, address)
- Single Page Letter of intent
- Single Page Curriculum Vitae or Resume
- Single Page Bio
- Single Page statement with Initial Proposal Concept, may include: What are your initial project concepts and thoughts on using this opportunity to innovate your process? What NSG glass initially interests you and why?
- Image List with file name, title, dimensions, year created, and medium
- 10 examples of your work; Files should be labeled **FIRST INITIAL LAST NAME_01** (example: HSmith_01.jpg) and should be 1000 pixels for the largest dimension

All of the above materials should be submitted at the following:

<http://bit.ly/IntersectionRFP>

Deadline to apply: August 12, 2021

Accepted Proposals

Entrants will be notified by August 24, 2021

The Arts Commission will provide an honorarium for travel and accommodations to and from Toledo, OH for September 30 - October 2, 2021. This includes an arrival on Thursday, September 30; Pilkington tours on Friday, October 1; departure anytime on Saturday, October 2.

Important Dates

June 16, 2021: Call / RFP Opens

August 12, 2021: Call Closes

August 24, 2021: Artists Notified

September 30, 2021: Tour of Pilkington facilities pending travel restrictions due to the COVID 19 pandemic (Artists awarded honorarium for proposal development, travel, and accommodations, plus glass materials)

December 31, 2021: Final Proposals Due

January 14, 2022: Artist Notifications

September 2022: Momentum Programming + Exhibition

For questions about the opportunity, please contact Hope Hooper, hhooper@theartscommission.org

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Momentum | Intersection is presented by The Arts Commission, in conjunction with ProMedica and Toledo's philanthropic community as part of Momentum, a three-day festival of music and art in the city's downtown with a focus on the revitalizing waterfront. Momentum celebrates Toledo's rich artistic history, its promising and evolving forward trajectory, and draws thousands to the city with over 22,000 attendees in 2019.

Initial Call Video • <https://youtu.be/qltwdkJTeDk>