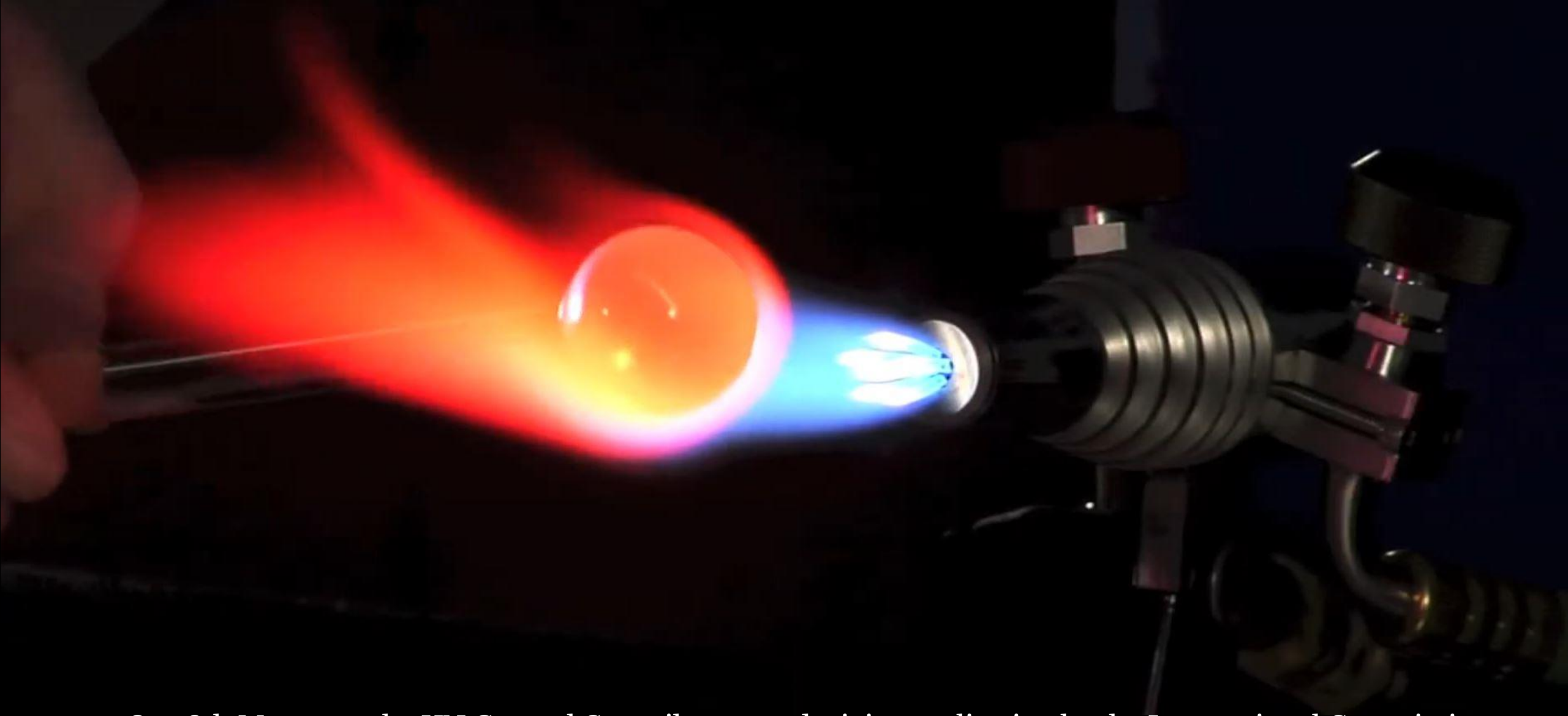
INTERNATIONAL YEAR OF GLASS 2022

ceramics expo



On 18th May 2021 the UN General Council approved a joint application by the International Commission on Glass (ICG), the Community of Glass Associations (CGA) and ICOM-Glass that 2022 be declared a

United Nations International Year of Glass.

Why does glass get its own year?

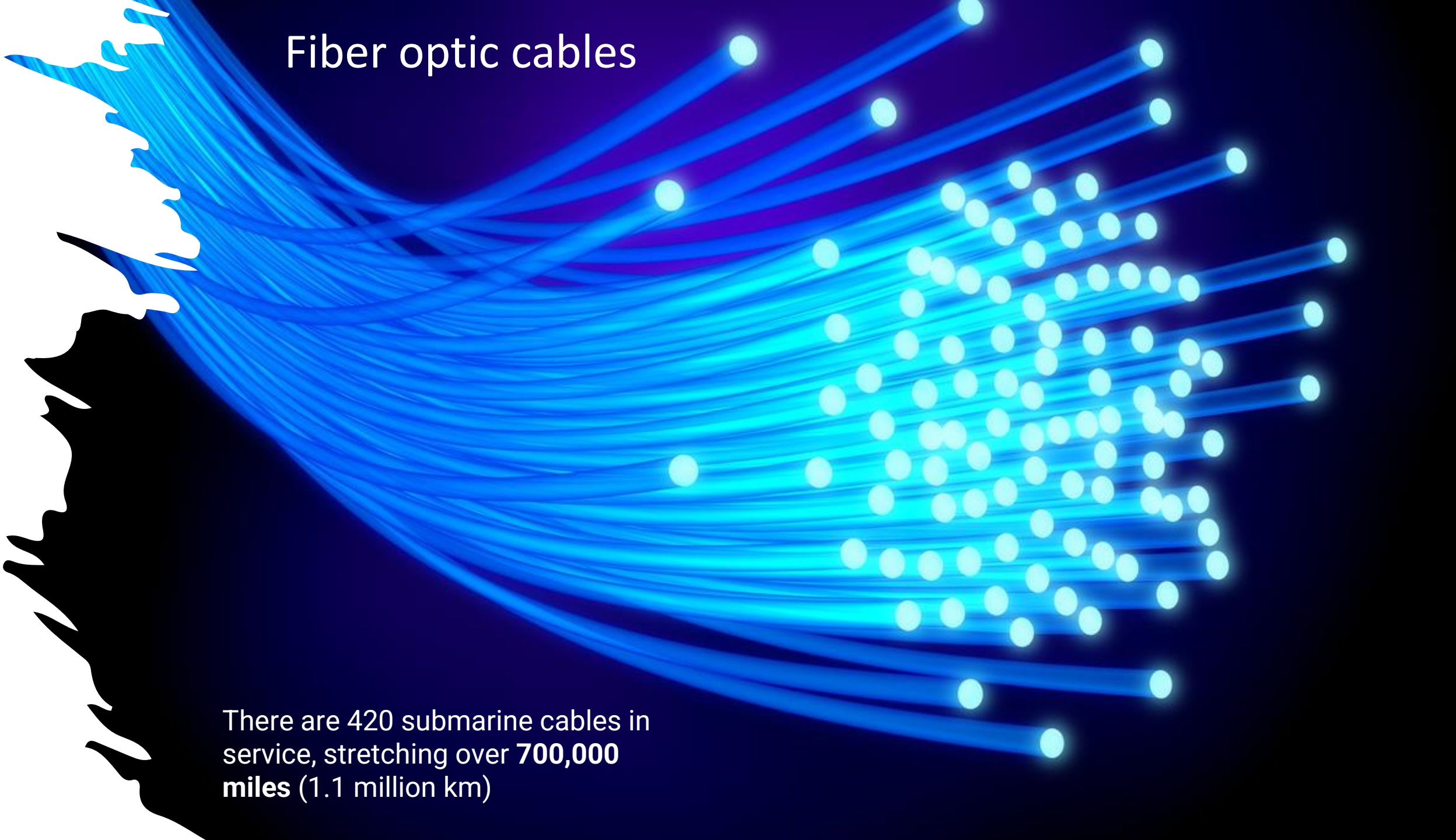
With its unparalleled versatility and technical capabilities, glass in its many guises has fostered **innumerable cultural and scientific advancements**

- Nearly perfect elastic solid
- Excellent thermal, chemical and electrical resistance
- Optical properties, refection and refraction of light
- Exceptional strength, stronger than many metals
- One of the most environmentally sustainable materials

Glass Containers

In 2020, the global production volume of glass bottles and containers amounted to nearly **690 billion units**.

Fiber optic cables



There are 420 submarine cables in service, stretching over **700,000 miles** (1.1 million km)

Display Glass

Corning Eagle XG production is now over 25 billion square feet — enough to pave the Great Wall of China 25 times, or cover nearly 390,000 football fields

Solar Cell Glass

- Production traditionally measured in gigawatts - 178 gigawatts in 2020
- @ 5 watts/square foot average = 11.8 billion square feet

Architectural Glass

Pre-Pandemic production of 742 million square feet annually

Automotive Glass

Pre-Pandemic production was ~97MM vehicles annually

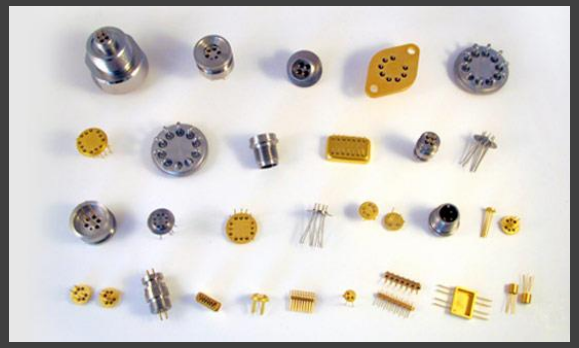
Appliance Glass

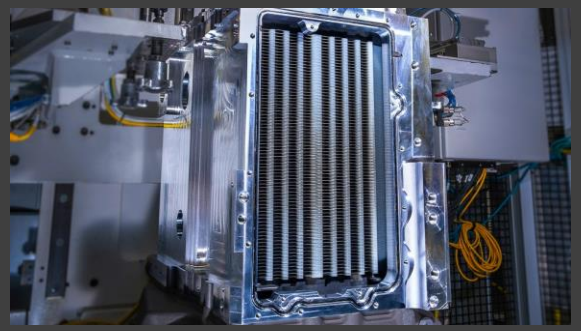
Schott manufactures around 70 million glass panels for various appliances every year.

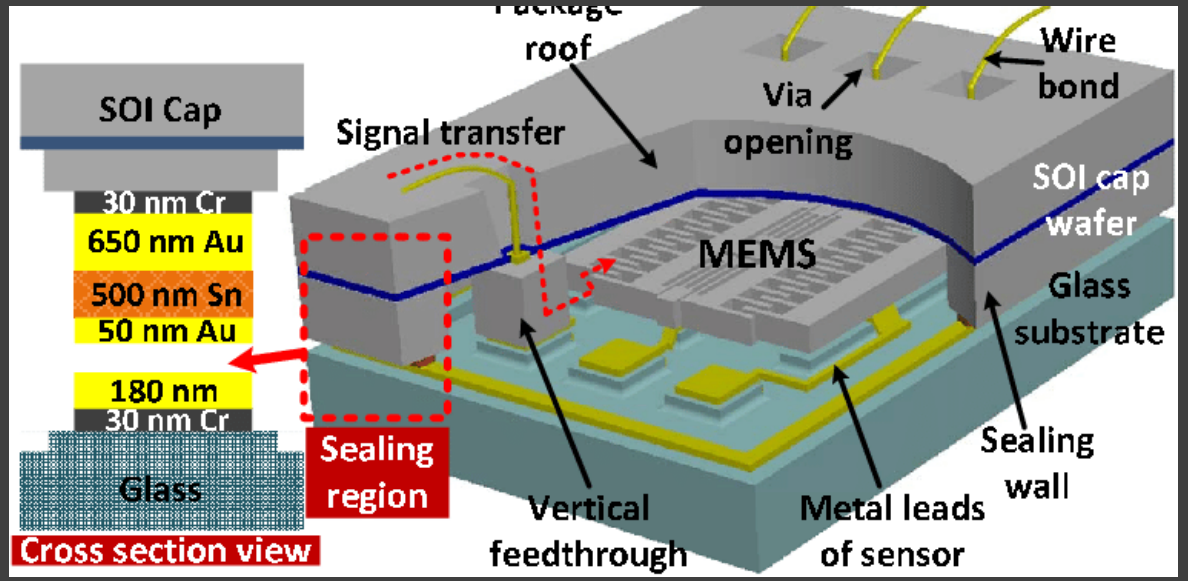
Pharmaceutical Vials

A Reuters news agency report estimates, the current annual pre-COVID global production was 15 billion to 20 billion glass vials

Many additional vials have been needed since to administer the over 12 billion doses of COVID vaccine to date

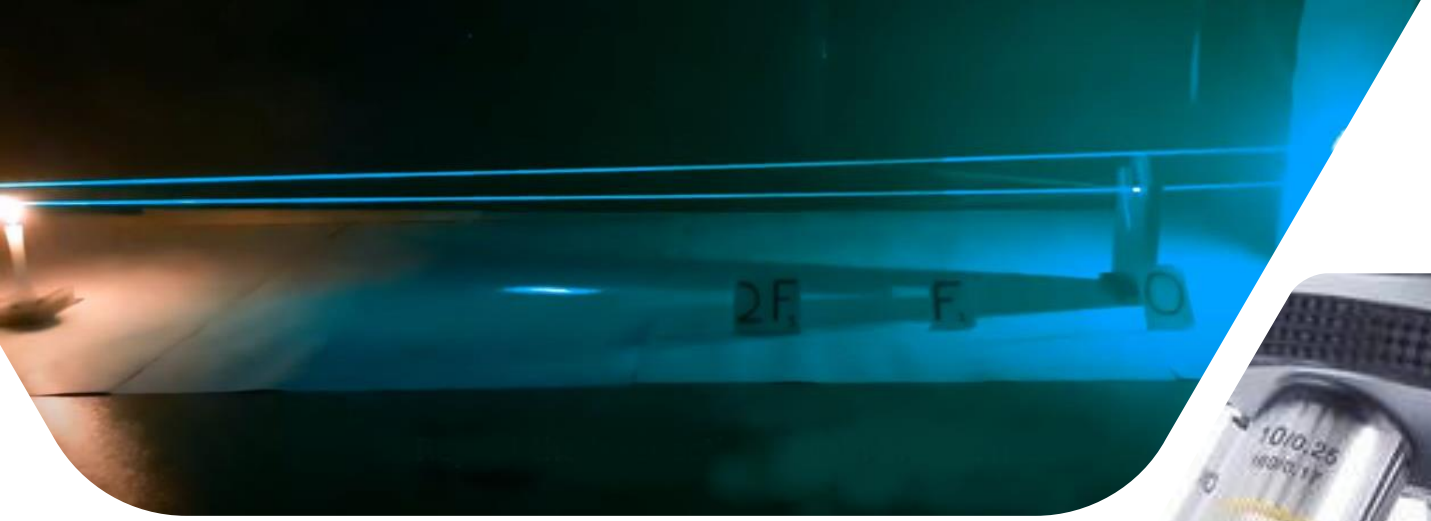


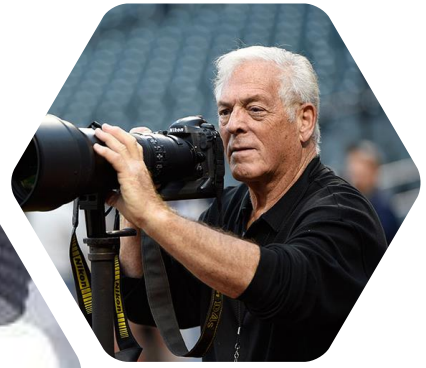




Electronic Sealing Glasses

- Projected to reach USD 413.8 million by 2026, From USD 319.6 Million In 2020
- Fuel cells, batteries, vehicle combustion systems, electrical equipment, and components in the chemical and nuclear sectors

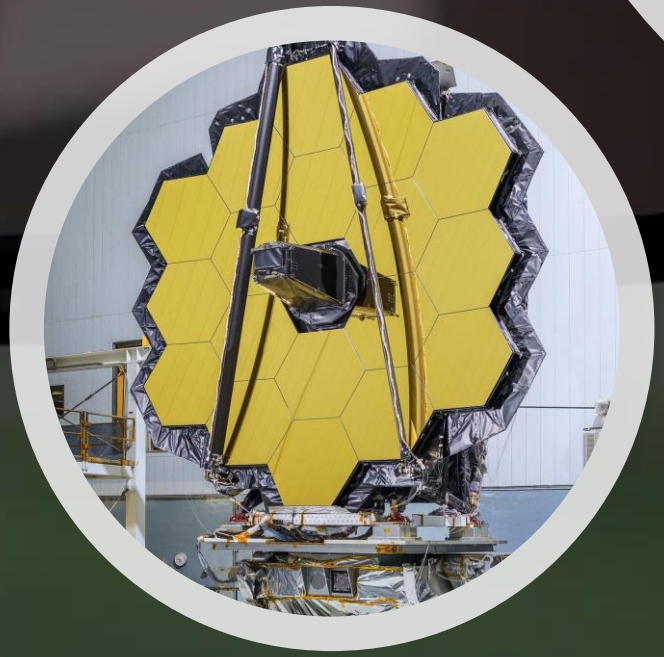


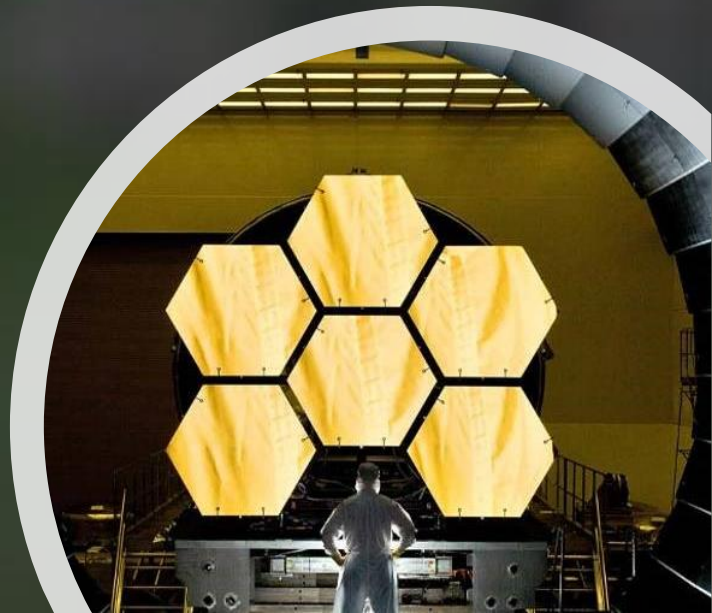


Lenses

- US$ 43.1 Billion in 2021
- Expected to reach US$ 54.6 Billion by 2027

Mirrors





- Market was valued at USD 2.91 billion in 2020
- Expected to reach USD 4.28 billion by the end of 2027

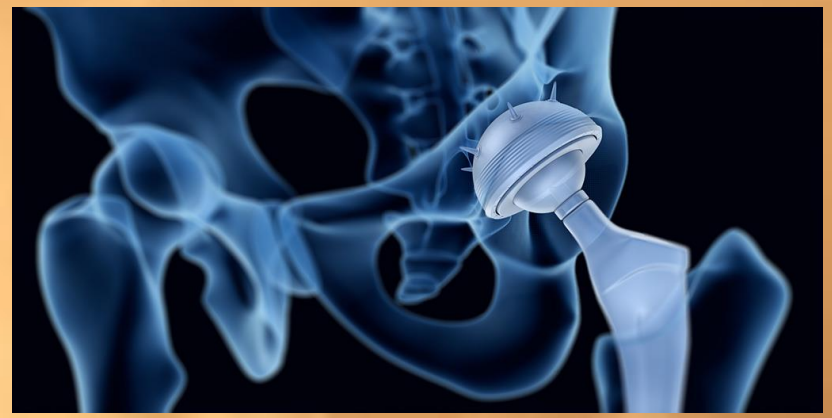
Glass Lighting

Fiberglass Insulation

Globally about 5 million metric tons of fiberglass insulation is produced per year

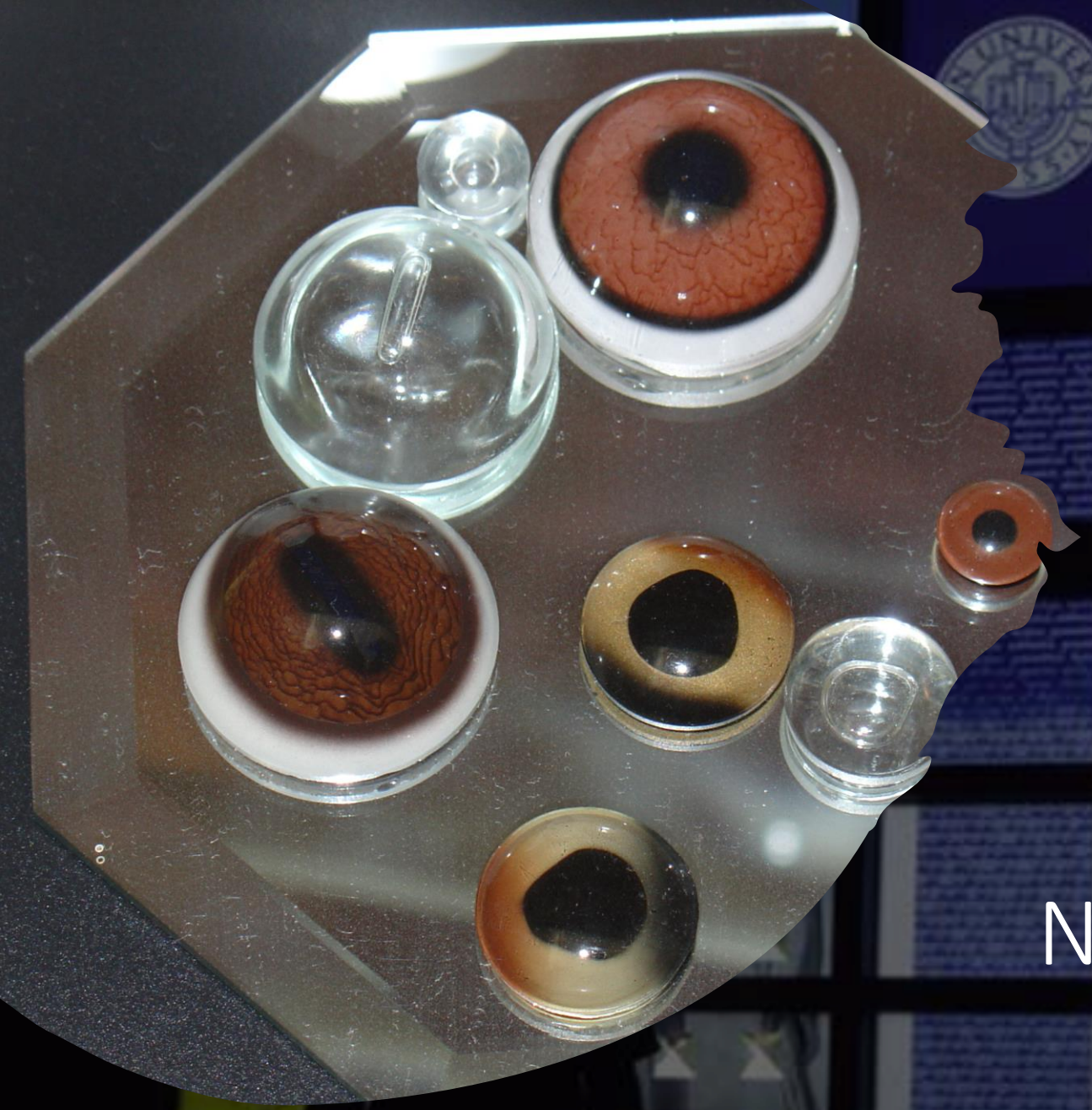
Scientific and Industrial Glassware

Bio Active Glasses



Nuclear Waste Encapsulation

Fibers for structural reinforcement



Niche Decorative and Artisan

Should we only get 1 year?

Let’s Celebrate Glass!!!

Thank you for attending this session!!

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