

GLASS News



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Bi-lingual

WORLD'S LEADING TRADE FAIR UNDERLINES ITS RELEVANCE IN THE "INTERNATIONAL YEAR OF GLASS"

glasstec has clearly underscored its relevance for the global glass industry with its restart as a face-to-face trade fair after the pandemic induced break.

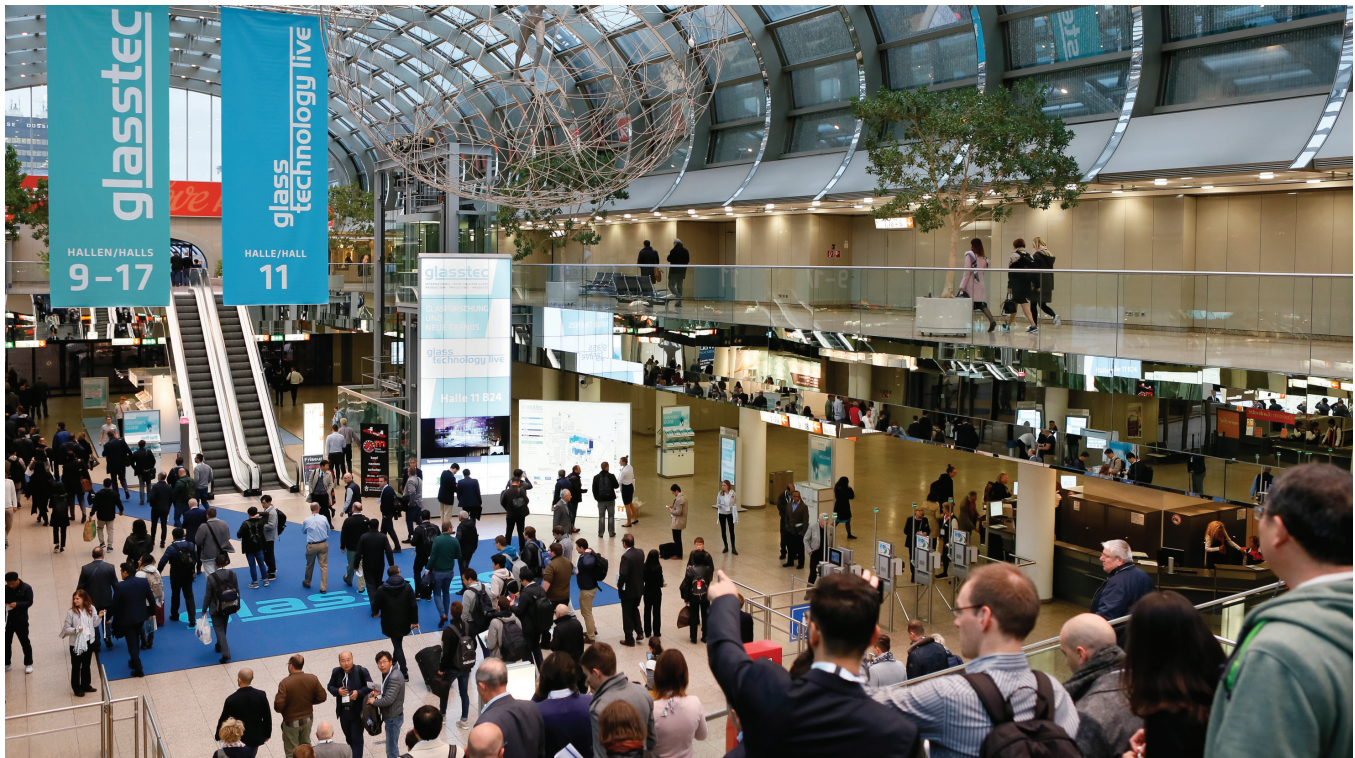
In the "International Year of Glass", the 936 exhibitors from 47 countries impressively demonstrated to 30,000 visitors from 119 countries the operational excellence of the sector.

In focus were the global trend



topics Climate, Resource Efficiency, Urbanisation, Value and Well-Being but also current challenges such as high energy costs, supply chain bottlenecks or skilled labour shortage.

Held concurrently over three days, the decarbXpo trade fair with its ranges revolving around the decarbonisation of industries was also perceived as a meaningful addition in this context.





The All India Glass Manufacturers' Federation (AIGMF) and Glass Worldwide once again shared joint stands (13A42 & 13A44) at glasstec 2022 from Sept 20-23 at Dusseldorf, GERMANY.



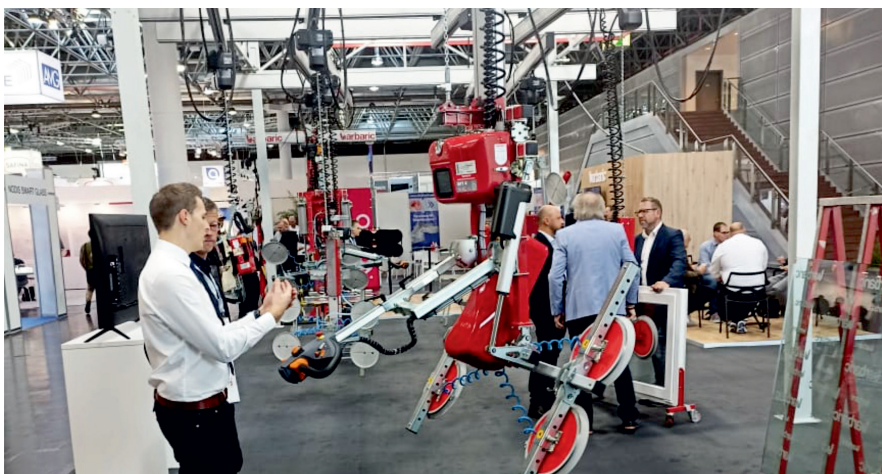
"AIGMF in partnership with Glass Worldwide, its Honorary Member and preferred international journal in association with Kanch (Glass) was able to organize a wide range of International Year of Glass (IYoG) activities involving Youth and Industry Members in 2021 and 2022. The support of the International Commission on Glass and Worldwide Glass Associations were also commendable."



"We were able to meet many AIGMF Members and stakeholders at Dusseldorf and discussed future activities including publications.", said Secretary AIGMF Mr. Vinit Kapur



Over 75% of the trade visitors travelled to Düsseldorf from abroad. This means the share of international guests continues at a very high level, confirming the leading global position of glasstec for the industry in the "International Year of Glass". This was declared by the United Nations for 2022 to create visibility for the scientific, economic and cultural importance of the material that is glass as well as its vital role in future-



focused topics like climate protection and CO₂-reduction.

At 75%, the equally high percentage of executives who are involved in investment decisions underlines the high quality of the trade fair. Visitors were highly satisfied with the ranges on display at glasstec. Well over 90% stated they had achieved their objectives set for the visit. For the majority, seeking new suppliers as well as innovations and trends was the main goal.

Not only the broad-based ranges displayed by exhibitors make glasstec so attractive for decision-makers but also the high-calibre accompanying programme of Special Shows and conferences. This way glasstec provides a comprehensive platform for knowledge transfer and presents all target groups – from the skilled trades to architects' offices, from glass processors to producers and from upstream suppliers to the industry and technology vendors – with innovations and solutions for their respective demands.

The programme of the glasstec conference combined the industry know-how from theory and practice in the context of the five global trend topics Climate Protection, Resource Efficiency, Urbanisation, Value and





spectacular exhibits to reflect the latest trends and results of scientific research thereby providing insights and outlooks on the performance of the sector. The Innovation Show was organised by the network of the four technical universities Darmstadt, Delft, Dortmund and Dresden.

The Special Area Craft LIVE in Hall 10 again showed the top innovations for skilled craftsmen in the glazing trade in hands-on demonstrations this year. At the WorldSkills



Germany@glasstec young glaziers from throughout Germany competed with each other to secure a place for participation in the EuroSkills 2023 in Poland. Maximilian Kröger from Dieburg is the winner of the WorldSkills Germany@glasstec.

With a live demonstration on the fire resistance of fire-resistant glass, ift Rosenheim showed how glass can ensure safe containment in the event of a fire. The supporting programme was rounded off by the Special Show “glass art”, which showed art objects made of glass.

The glasstec “START-UP ZONE” offered a total of 11 young and innovative companies an excellent platform for networking and professional exchange with top decision-makers from the glass industry. Visitors benefited from

Also forming a traditional part of the line-up of side events is the International Architecture Congress. Eight representatives from renowned architects’ and engineering offices, who are pioneers in planning and building with glass, presented their exciting projects to the approx. 100 participants. Discussions also revolved around the contribution that glass facades can make to moving away from fossil fuel dependence, improving human well-being in increasingly warmer climates and highlighted the technical and design potential glass holds for architecture today.

The Innovation Show glass technology live was centre stage in the line-up of side events and under the heading “NEXT IN GLASS” presented





trade fair demonstrated both investors' and industrial users' need for an intensive exchange of information on new technologies and cooperation for climate protection. Held concurrently with glasstec, provided additional attention: production companies from the glass industry visited decarbXpo to discuss reducing energy costs and CO₂ emissions as well as energy storage.

as offering an unparalleled, packed line-up of innovations and solutions," sums up Mr. Erhard Wienkamp, Managing Director at Messe Düsseldorf GmbH.

This impression is also shared by Mr. Egbert Wenninger, CCO and board member at Grenzebach Maschinenbau GmbH, Chairman of VDMA's Glass Technology Forum as well as Chairman of the Exhibitors' Advisory Board at glasstec: "We are very happy with the way the fair went! It was absolutely the right decision to participate in glasstec. We notice the positive mood in the teams, among customers and new contacts. Personal meetings and the opportunity to see innovations on the machines on site as an essential experience that was simply missing in the last few years. Now you really realise the importance of a trade fair like glasstec, and we are already looking forward to the next event in two years."

The next glasstec will be held in line with its two-year cycle from October 22-25, 2024 in Düsseldorf.

new and innovative applications and solutions.

The first international trade fair for industrial and commercial decarbonisation, decarbXpo, came to a successful close. Around 100 exhibitors from 15 countries presented their technologies and solutions in Hall 9 of Düsseldorf's exhibition centre. Together with three concurrent conferences, the

"glasstec 2022 came at precisely the right point in time to provide the glass industry with orientation again after the pandemic-induced changes and in a difficult economic climate. The participants' feedback has been unambiguous here: as a face-to-face trade fair glasstec allows in-depth exchange of experience and knowledge transfer on a global level in a uniquely concentrated form as well



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**DR. ARUN K. VARSHNEYA
ELECTED AS PRESIDENT
OF THE SOCIETY OF GLASS
TECHNOLOGY**



On Sept 6, 2022, the Council of the Society of Glass Technology (UK) unanimously elected Dr. Arun K. Varshneya as its 58th President - a role which is a first for an overseas domiciled individual and for an Indian by birth.

Dr. Varshneya received his early education at St. John's College Agra (Agra University), standing first in order of merit in the 1962 B.Sc. (pure sciences) exams of the university. By chance, his father, the late Mr. Nathi Lal Varshneya, knew Dr. Atma Ram (former Director of the CGCRI) and Mr. Harish Chandra Varshnei (proprietor of Saraikela Glass Works, Kandra WB) who both urged Mr. Varshneya to ask Dr. Arun to join Sheffield University's Dept of Glass Technology for the B.Sc. Tech. with honours program. Mr. Varshneya himself was a dealer of scientific glass products, chemicals and instruments such as the microscope. It didn't take a second thought. And so began the teenager's journey to the west in the quest of higher education in glass technology, an unheard-of educational discipline those days. Dr. Arun received the best of education under the chairship of Prof. R. W. Douglas. In the Dept library, he

made acquaintance with the Society of Glass Technology abstracting staff. From mere acquaintance with staff to becoming the president of the Society sixty years later is coming of a full circle for him.

In the final year, while at Sheffield, he was advised for his thesis research by the late Prof. Alfred R. Cooper. They hit it off. Dr. Arun crossed the Atlantic on a ship in August 1965 to join Case Institute of Technology, Cleveland OH as their first graduate student of ceramics, all thanks to Prof. Cooper, who later proved to be the most powerful influence in the development of Dr. Varshneya as a thinker in glass topics.

After securing his MS and PhD from Case, he joined Ford Scientific Laboratories, Dearborn MI and GE Lighting Business Group in Cleveland. In 1982 Alfred University invited him to join the faculty ranks as a Professor of glass science and engineering. As a teacher, he taught nearly all of the required glass engineering science courses both at the undergraduate and the graduate levels and the much-needed business basics as the engineering capstone course. He always drove his students to excel. Students admired him for his use of clear enunciations and simple language during lectures using math, physics and chemistry to drive the toughest of glass topics home. He is most known worldwide for his textbook, "Fundamentals of Inorganic Glasses", now in its third edition. He is the invited author of the 13-page article on "Industrial Glass" in Encyclopaedia Britannica, and author or co-author of roughly 170 publications and 12 patents. Many of his publications, particularly those on strength of glass with "Lessons Learned and Yet to be Learned" as

title ending clause have been some of the most downloaded articles in the International Journal of Applied Glass Science.

He co-founded his entrepreneurship company "Saxon Glass Technologies, Inc." in 1996 two blocks away from Alfred University to assist with the economic growth of the western NY region, and continues to be its CEO. The company delivers glass chemical strengthening service. Their most known product is the Ionex[®] chemically strengthened Type I borosilicate glass cartridge in the EpiPen autoinjector used to combat life-threatening anaphylaxis shock as a result of severe allergic reaction to bee stings, peanuts, and shell foods. Prior to chemical strengthening, the probability of glass fracture was as high as 10% during the device administration leading to death. This fracture probability was reduced to virtually non-existent after the chemical strengthening process. As a result, the device market increased roughly 20 folds over the 25 years. It is estimated that several thousands of human lives are saved each year because of this glass product.

Dr. Varshneya is a 2018 Honorary FSGT, a 2014 Distinguished Life Member of the American Ceramic Society and 2007 President's Award of the International Commission on Glass recipient. In December 2011, at the platinum jubilee session of the Indian Ceramic Society in Agra, he organized "Cera Ga Ma Pa" at the Taj mound to sing Hindi songs to the delight of the conference participants. The local news media cited him as one of the 25 crowning stars of Agra. Also in 2011, his wife Mrs. Darshana and he endowed a pair of lecture awards entitled, "Frontiers of Glass" in their name within the American

Ceramic Society. Most recently, he endowed the Cooper, Varshneya and Smialek scholarship at Case Western Reserve University.

Dr. Varshneya has been taking active role in the organization of the 2022 International Year of Glass activities around the globe (including being a judge for the **AIGMF** photo contest "Glass in our lives" for the youth). He is the lead editor of the "National Day of Glass: Commemorative Edition" book discussing what glass products have achieved and highlighting the many North American individuals whose tireless work has brought to where we are and where are we heading.

As President of the Society of Glass Technology, Dr. Varshneya is looking forward to increasing ties with the Indian Ceramic Society, AIGMF, and the CGCRI. Dr. Arun and Mrs. Darshana, his wife lives in Vienna VA and warmly welcome friends and relatives with open arms.

NEW OFFICE BEARERS ELECTED

Following were elected as Office Bearers of the AIGMF for the Year 2022-23 at the Annual General Body Meeting held on Sept 3, 2022 at New Delhi.

President -Mr. Sanjay Agarwal, Kwality Glass Works, Firozabad

Sr. Vice President- Mr. Rajesh Khosla, AGI glaspac, Hyderabad

Vice President – Mr. Hargun C Bhambhani, Sunrise Glass Ind. Pvt. Ltd., Gujarat

Hon. General Secretary – Mr. Mukesh K Bansal, Sri Sitaram Glass Works, Firozabad

Hon. Treasurer – Mr. Purvish M Shah, Gopal Glass Works Ltd., Ahmedabad

On the recommendations of Zonal Associations following were nominated

as members of the Executive Committee for the year 2022-23:

Eastern India Glass Manufacturers' Association (EIGMA)

1. Mr. Vinay Saran - HNG & Inds. Ltd., Kolkata

Northern India Glass Manufacturers' Association (NIGMA)

1. Mr. N N Goyal- U. P. Twiga Fiberglass Ltd., Delhi
2. Mr. Shailendra Kumar Misra - HNG & Inds. Ltd., Bahadurgarh

South India Glass Manufacturers' Association (SIGMA)

1. Mr. Sardar Akshay Singh - SGD Pharma Ltd., Hyderabad

U.P. Glass Manufacturers' Syndicate (UPGMS)

1. Mr. Manish Bansal - G.M. Glass Works No. 2, Firozabad
2. Mr. Ritesh Mittal - Meera Glass Industries, Firozabad
3. Mr. Anurag Mittal - Geeta Glass Works, Firozabad
4. Mr. Anurag Gupta - Om Glass Works (P) Ltd, Firozabad
5. Mr. Nitesh Goyal - Goyal Glassware P. Ltd., Firozabad
6. Mr. Devansh Gupta - Tigersons Glass Inds. P. Ltd., Firozabad

Western India Glass Manufacturers' Association (WIGMA)

1. Mr. G.K. Sarda - Empire Ind. Ltd., Vitrum Glass, Mumbai
2. Mr. Ashok Jain - Borosil Ltd, Mumbai
3. Mr. Hemal Thakor - PGP Glass (P) Ltd., Mumbai
4. Mr. Purvish M Shah - Gopal Glass Works Ltd., Ahmedabad
5. Mr. Pawan Kumar Shukla - Schott Glass India Pvt. Ltd., Bharuch

The following are co-opted members of the Executive Committee for the year 2022-23:

1. Mr. Sanjay Somany - HNG & Ind. Ltd., Bahadurgarh
2. Mr. Pradeep Kumar Gupta - Om Glass Works Pvt. Ltd. Firozabad
3. Mr. P.K. Kheruka - Borosil Ltd. Mumbai
4. Mr. Mukul Somany - HNG & Ind. Ltd., Bahadurgarh
5. Mr. SC Bansal - Adarsh Kanch Udyog, Firozabad
6. Mr. S K Jhunjhunwala - La Opala RG Ltd., Kolkata
7. Mr. Sanjay Ganjoo - Asahi India Glass, Mumbai
8. Mr. Raj Kumar Mittal, Mittal Group of Glass Industries, Firozabad
9. Mr. Bharat Somany, Vice President, HNG & Ind. Ltd., Bahadurgarh

EU CONTAINER GLASS INDUSTRY RECORDS HIGHEST EVER GROWTH IN PRODUCTION

New industry data released points to strong growth in container glass production in Europe and demonstrates that the sector continues its recovery from a 2020 decline. Industry production volume of glass packaging for the food and beverage sector increased strongly by 5% compared to 2020 figures, to reach its highest level ever recorded.

According to newly-available data released by FEVE – the European Container Glass Federation, more than 23.4 million tonnes, or 83.3 billion bottles and jars, were produced for the European and global markets in 2021. Since 2012, container glass production has grown by 18.6%, at an average growth rate of 1.7% per year.

Likewise, production of glass flacons for the perfumery, cosmetics and pharmaceutical segments delivered a strong growth of 2.2% to reach 13.6 billion units by the end of 2021.

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YOUTH AND INDUSTRY GET TOGETHER TO CELEBRATE INTERNATIONAL YEAR OF GLASS 2022

Awards given to Students and Glass Manufacturers

As part of the celebrations for the International Year of Glass (IYoG 2022) an Industry meet was organised at its Annual General Meeting on Sept 3 at Hotel Lemon Tree, Aerocity, Delhi where NTPC's Mr. DMR Panda, Head of Hydrogen Group and Planning



Head of Renewable Business gave a presentation on Green Hydrogen Economy: Options for Indian Glass Manufacturers.

Mr. Panda highlighted that “the Indian glass manufacturing industry

can position itself as a low-cost, zero-carbon green hydrogen manufacturing hub which can help to achieve India's Net Zero target. As always, the Indian glass manufacturing industry lead by examples, it can be one of the early movers in the green hydrogen space and set an example for all MSMEs/hard-to-abate sectors.”

The program provided an excellent opportunity for The All India Glass Manufacturers' Federation (AIGMF) to honour Youth of the country who participated from schools and colleges across India in its annual contest for Youth: 1st Poem / Essay Writing Contest on ‘Green as Glass’ or काँच और पर्यावरण coinciding with the International Youth Day on August 12, 2022. Online entries were invited from the age group between 7-24

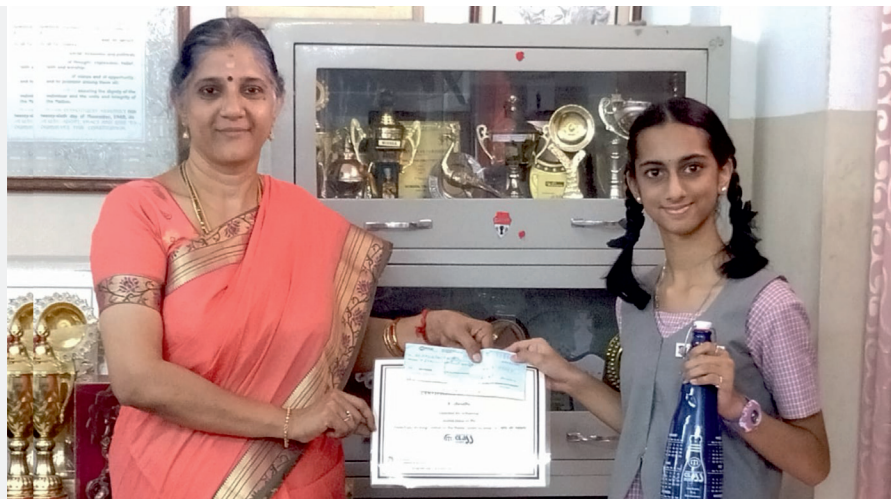


wherein over 2,000 entries were received from educational institutes and youth across India.

Former Presidents- Mr. Sanjay Somany & CMD Hindustan National Glass & Industries Ltd.; and Mr. S C Bansal, CMD Adarsh Kanch Udyog Pvt. Ltd., were jury members who judged top 3 entries:

- **1st Prize (Rs. 25,000)** was given to **Akshita Tejwani** aged 14 years, 10th class student of Maharani Gayatri Devi Girls School, Jaipur
- **2nd Prize (Rs. 15,000)** was given to **R. Shruthi** aged 15 years, 10th class student of Jawahar Vidyalaya Senior Secondary School, Chennai
- **3rd Prize (Rs. 10,000)** was given to **Kanishk Sharma** aged 16 years, 11th class student of Ajanta Public School, Gurugram (Haryana)

Winning entries may be viewed at: www.aigmf.com



Mrs. Chitra Srinivasan, Principal, Jawahar Vidyalaya Sr. Sec. School, presented Certificate of Excellence, Award money and IyOG Calendar Glass Bottle to R. Shruti on Sept 2 at their school as Shruti was unable to travel to Delhi for the awards ceremony.



Former President Mr. Sanjay Somany gave the prestigious annual **‘CK Somany Award for Innovation and Technology’** to Mr. Eric L’Heureux- Managing Director, Schott Poonawalla Pvt. Ltd. The **‘Balkrishna Gupta Award for Exports’** was bestowed to M/s Schott Poonawalla Pvt. Ltd., by the Former President, Mr. Pradeep

Gupta. Both awards are supported by Glass Worldwide, preferred international journal of the AIGMF in association with Kanch.

Mr. Eric L’Heureux, who joined Schott as a QA Manager at Schott Belgium in 1992, went on to become the Technical Director at Schott Indonesia in 1998, and was





appointed the President Director of Schott Indonesia in 2001. He also served as the Managing Director of Schott Hungary and was responsible for operations of 2 plants in France from 2006 until 2009. In 2009, he was appointed as Vice President Asia operations.

Mr. L'Heureux's main contributions towards expansion of operations within the glass pharmaceutical packaging at Schott Poonawalla in India since 2011 are: Started operations at the state-of-the-art plant at Jambusar (Gujarat) with 20 ampoule lines and 16 vial lines having a total output of more than 3 million pcs per day; Completed first upgrade of forming and inspection technology at Jambusar plant; Roll-out of cosmetiQ inspection system (100% camera inspection system for cosmetic parameters) in Jambusar plant; Expansion of module 2 and 3 at Jambusar plant thereby enhancing capacities to over 3 billion containers per annum. He has been instrumental





in starting and stabilizing the operations at the Greenfield plant at Umarsadi (Gujarat) for pre-fillable syringes, cartridges and sterile RTF products.

Under Mr. L'Heureux's guidance, Schott Poonawalla today has 4 state-of-the-art manufacturing units in Daman, Jambusar, Umarsadi and Baddi in India that produce an entire range of products including, bulk vials and ampoules, specialty vials and ampoules, siliconized vials, siliconized cartridges and Ready-to-Fill (RTF) vials and cartridges, siliconized pre-crimped RTF nested cartridges, sterile nested vials and an entire range of pre-fillable syringes.

As the world health safety concerns soared during the COVID-19 pandemic, Schott Poonawalla has been the supplier of vials for COVID-19 vaccines, not only for India but also supported the global vaccination drive by exporting substantial quantum of vials across the globe including Europe, USA, Russia and South Africa. The company successfully contributed towards 4.3 billion doses of COVID-19 vaccines globally, through supply of vials, out of which 3 billion doses were provided for India and 1.3 billion doses were provided for the global market.

The jury for Industry awards comprised of Dr. K. Annapurna, Chief Scientist, Glass Division, CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI); Mr. Dave Fordham, Publisher, Glass Worldwide, London (UK); Mr. Sanjay Somany, Former President AIGMF and CMD HNG Industries Ltd.; Mr. P K Kheruka, Former President AIGMF and Chairman Borosil Ltd. and Mr. Vinit Kapur, Secretary AIGMF.

"At the outset, I am honoured to be part of Jury for AIGMF glass awards 2022. I heartily congratulate Mr. Eric



L'Heureux, MD, Schott Poonawalla Pvt. Ltd. for winning the prestigious C. K. Somany Award for innovation and technology with his splendid contribution in innovative technology implementations at Schott Poonawalla Pvt. Ltd. such that to meet the demand for glass packaging for pharmaceuticals at the need of the hour like COVID-19 pandemic. For this reason, again, M/s Schott Poonawalla Pvt. Ltd. had proved itself suitable to be bestowed with the Balakrishna Award for its exceptional exports in the last year. Kudos to M/s Schott Poonawalla Pvt. Ltd.” said Dr. K. Annapurna, Chief Scientist, CSIR-Central Glass & Ceramics Research Institute, Kolkata.

“It is very fitting that Mr. Eric L'Heureux should receive recognition on the 30th anniversary of him joining Schott because his vast experience across many of the company's global operations led to the recent success story at Schott Poonawalla. Mr L'Heureux's achievements in overseeing the remarkable growth and accomplishments of the Indian operations over the last decade make him a very worthy winner of the prestigious C K Somany Award and Glass Worldwide sends sincere congratulations. Having been a front runner in the fight against the COVID-19 pandemic by providing pharmaceutical glass for primary packaging to fill so many vaccines worldwide also fully justify Schott as the recipient of this year's sister award, the Balkrishna Gupta Award for Exports. It is an honour to be part of the judging process and we look forward to publishing an exclusive interview about Eric L'Heureux and Schott-Poonawalla in a future issue of Glass Worldwide and Kanch.” said Mr. Dave Fordham, Publisher, Glass Worldwide, London (UK).

Thanking AIGMF and the jury for industry awards, Mr. L'Heureux said, “2022 being the International Year of



Select photos of the event can be downloaded from: <https://aigmf.com/past-events.php>

Glass, it is a huge honour to receive the prestigious C. K. Somany Award for innovation and technology and the Balkrishna Gupta Award during this particular year. At Schott Poonawalla, we continuously invest in innovation and cutting-edge technology, not just to meet the needs of our customers, but better them. It is the collective effort and genius of all my teams that drive us forward to meet industry demands, even during challenging times like COVID-19 pandemic. I look forward to everything we can accomplish together in the years ahead."



As a token of appreciation, top 250 entries of Poem/Essay contest will get a specially designed 2022 Calendar Glass Bottle made out of recycled glass (specially manufactured by AGI GLASPAC, official main partner for IYoG 2022 Indian activities) carrying logos of International Year of Glass 2022 ■



As the National Apex Body of the Glass Industry, the AIGMF undertakes socially responsible steps as a voluntary service to society, thereby bringing increased awareness of Glass being a safe and 100% recyclable building and packaging material.



(News Source: AIGMF Research Team / World Wide Web)

October - December 2022 Issue

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