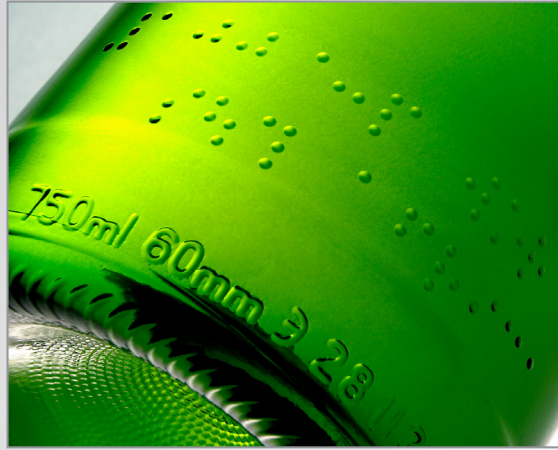


**Clear vision,  
daring innovation:**  
shaping the future of glass





Innovative design,  
shaping, sculpting  
and decorating offer  
a generous scope for  
product differentiation.



## Your glass packaging partner

At Ardagh Glass Packaging (AGP), our Purpose forms the foundation of our business - **We make packaging for good.**

This drives our passion for innovation and creativity; to deliver the benefits of world-leading glass packaging direct to our customers.

Our award-winning glass packaging showcases our customers' products in fresh, stand-out and distinctive ways.



With operations across North America, Europe and Africa, we harness vast expertise to ensure best practices and a conscious commitment to sustainability.

We manufacture glass packaging that not only protects our customers' food and beverages but also meets the ever-evolving needs of consumers.

We rapidly respond to customer demands for sustainable, innovative, brand-enhancing packaging.

Our innovative approach to design and decoration enables us to stand out from the crowd, while our developments in sustainability are helping to reduce emissions.





## Benefits of glass packaging

Glass packaging protects its contents and enhances a brand's appeal. As a permanent material, glass is 100% and endlessly recyclable. We manufacture glass packaging in all shapes and sizes with a wide range of nearly 20 colours.

Making new glass bottles and jars from recycled glass reduces the amount of energy needed in the production process and lowers carbon emissions. The purity of glass packaging and its proven preservative qualities are acknowledged and appreciated by brand owners and consumers.





## Innovative manufacturing for creative solutions

We lead an innovation strategy that spans product applications, processes and sustainability advancements.

- **Lightweighting** refers to reducing the weight of a glass container. We use advanced formulations to create glass packaging using fewer raw materials and reduced energy consumption.
- Today, with cutting-edge design software and manufacturing precision, we can manufacture a 355ml or 35.5cl beer bottle weighing as light as 175g in North America. Our 75cl wine bottles in Europe can weigh as little as 300g. Our 750ml returnable beer bottles in Africa weigh as little as 430g.



We prefer to take the approach of 'rightweighting' - refining the weight of the bottle, while ensuring we never compromise on strength, quality, durability or functionality.

With one of the world's largest resources for state-of-the-art decoration facilities, we can create endless possibilities for adding brand value using techniques such as sculptured embossing, screen printing, organic printing, organic or UV coating and steam sleeving to name a few.



- **Decoration** – with design facilities located in key locations across North America, Europe and Africa, our in-house experts use a range of added-value technologies to deliver unique branding opportunities for our customers.
- Regional **design hubs** allow our teams to create and present new product designs in response to customer briefs. We are flexible in offering on-site consultations with our customers or conducting them remotely online if preferred. From ideation to conception, we help our customers every step of the way. Using our experience in glass design and forming, we partner with our customers at the earliest design phases to ensure products are crafted for seamless implementation and to exact production specifications.





- **Flexible production** - Whether you want to sample a new product or produce a small batch run, our Individual Section (IS) development machines can make glass containers of all shapes and sizes, in any quantity, while also incorporating the latest design features such as unique textures and embossing.
- **Sustainability** has always been a core focus at Ardagh. We have long focused initiatives such as energy efficiency and water conservation. A key development has been to refine traditional combustion furnaces using the latest technologies to increase efficiency and lower emissions.

Beyond that, we have also invested in some truly groundbreaking innovations. For example, our NextGen Furnace in Germany has already achieved **a more than 60%\*** reduction in carbon emissions, by replacing most of the natural gas with electrical heating. **Additionally**, in Sweden, we have installed an onsite hydrogen electrolyser that replaces some of the natural gas with green hydrogen – a zero-emission fuel. We are taking a multi-faceted approach to low-carbon transition, exploring different pathways to achieve our low-carbon glass packaging goals, and those of our customers.

We're committed to decarbonising our glass manufacturing and have set targets aligned with SBTi. Recognising that there's no single path to decarbonisation, we're investing in breakthrough, industry-leading technologies. Our efforts focus on low-carbon melting, renewable energy, lightweighting, waste reduction, water stewardship and a broad range of community and education initiatives.

\*Based on LCA calculation

Clear vision, daring innovation: shaping the future of glass

Serving the food, beverage, pharmaceutical, cosmetics and chemical industries, [contact us](#) today and discover how our glass packaging innovations offer smarter choices without ever compromising on quality.



## Certifications







Contact our teams today

## Europe

### Denmark

- Holmegaard

### Germany

- Bad Münster
- Germersheim
- Lünen
- Neuenhagen
- Nienburg
- Obernkirchen
- Wahlstedt

### Italy

- Montorio al Vomano

### Netherlands

- Dongen
- Moerdijk

### Poland

- Gostyń
- Ujście
- Wyszaków

### Sweden

- Limmared

### UK

- Barnsley
- Doncaster
- Irvine
- Knottingley

## Africa

### Ethiopia

- Debre Birhan

### Kenya

- Nairobi

### Nigeria

- Abia State

### South Africa

- Bellville
- Clayville
- Nigel
- Wadeville

## Americas

### United States of America

- Bridgeton
- Burlington
- Dunkirk
- Henderson
- Madera
- Pevely
- Port Allegany
- Sapulpa
- Winchester



