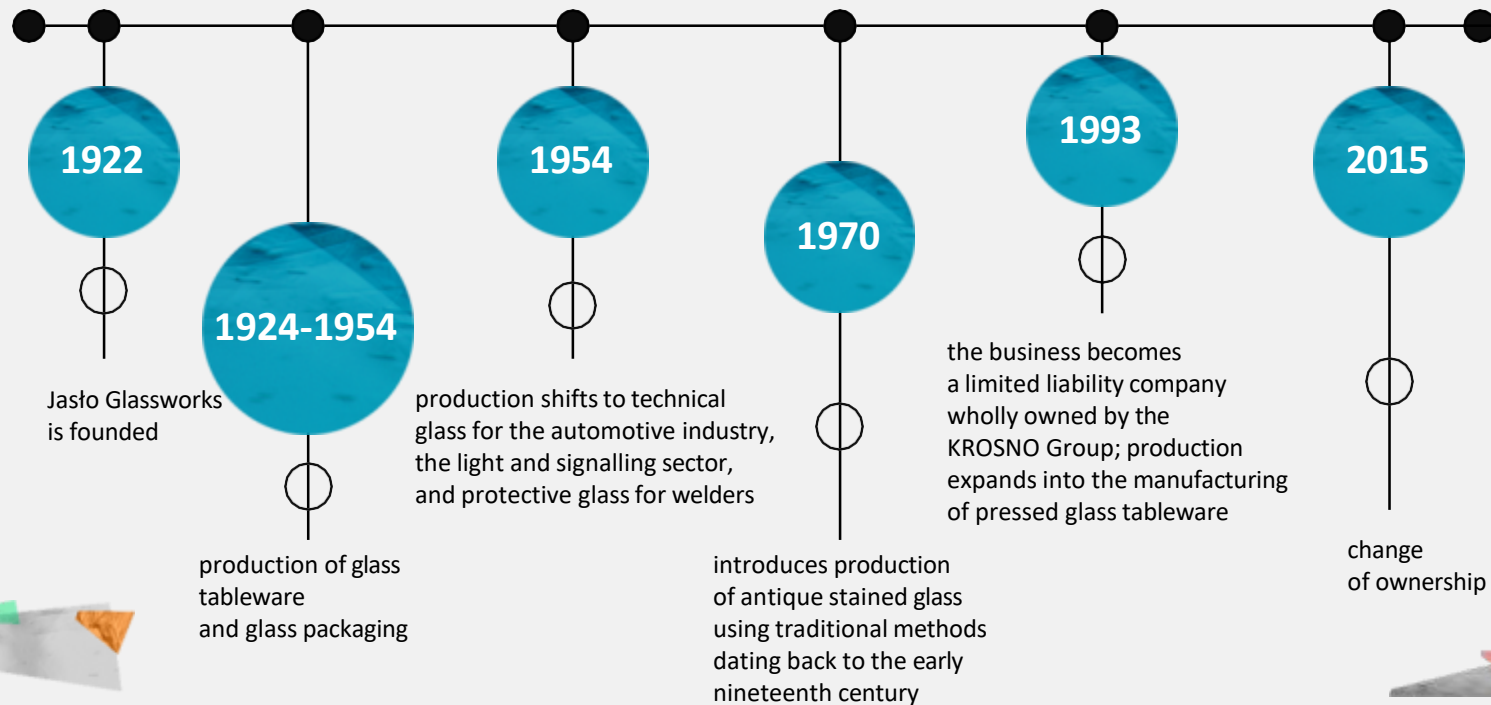


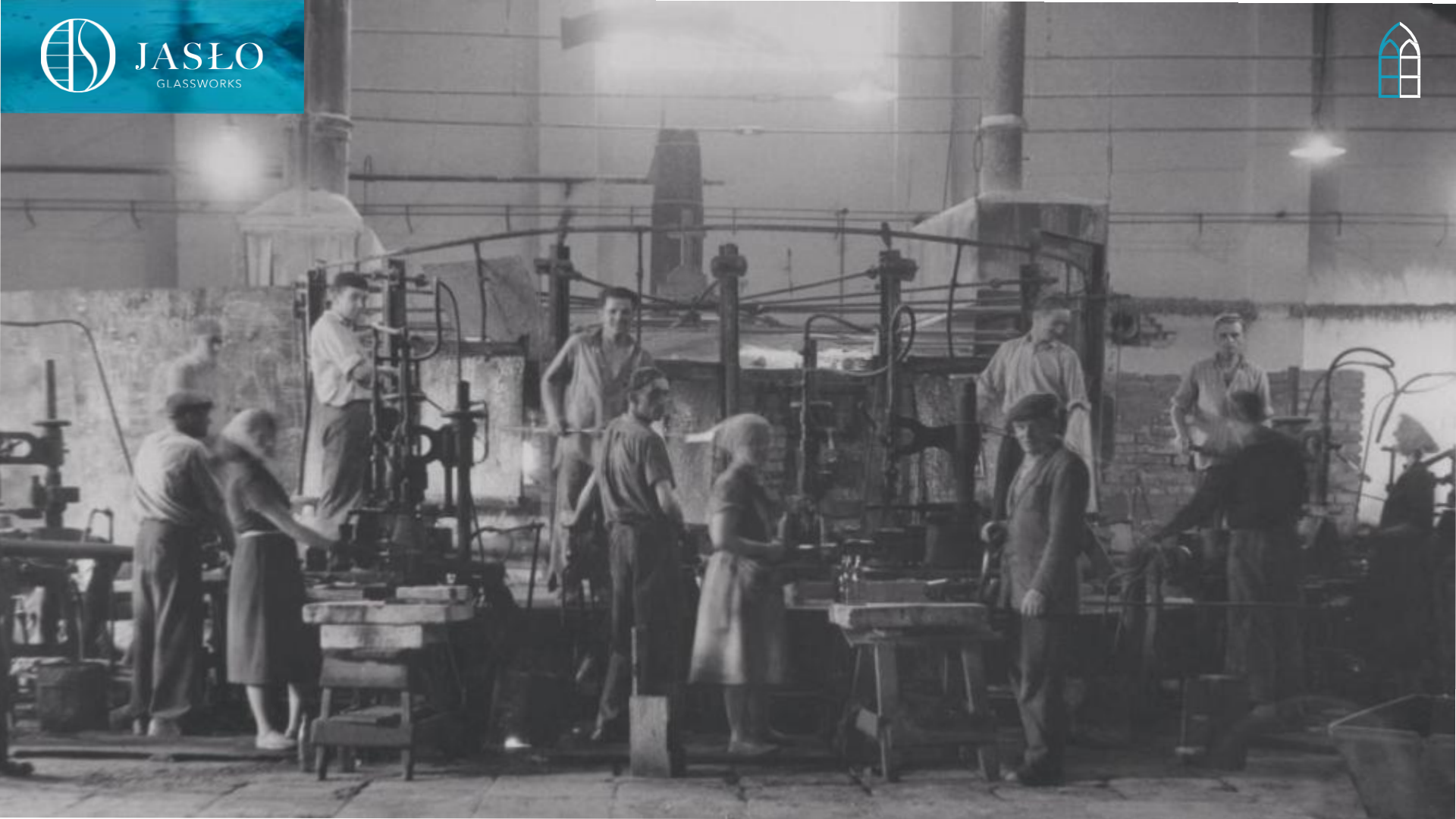


JASŁO
GLASSWORKS

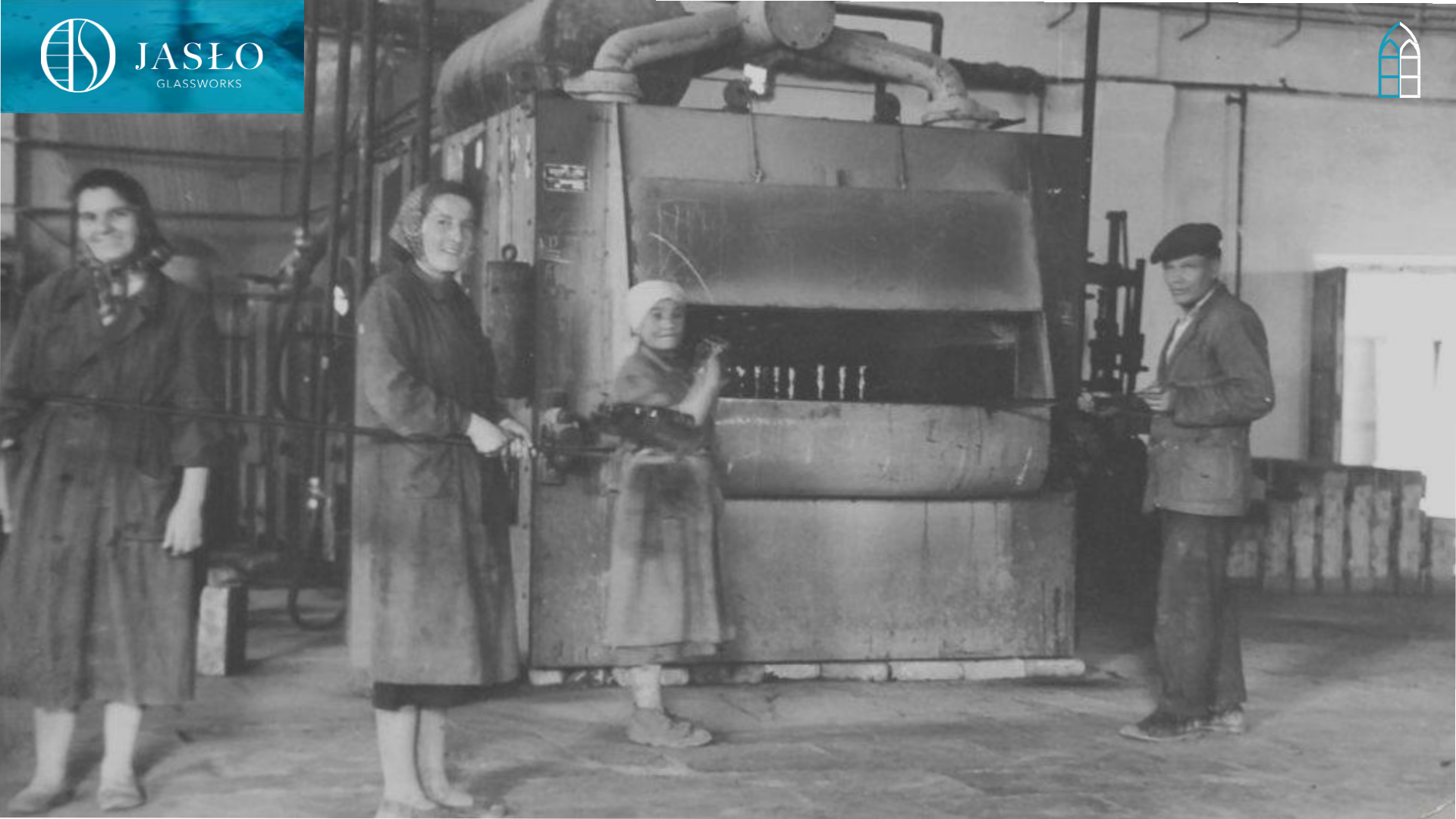


HISTORIA HUTY SZKŁA W JAŚLE









EMPLOYEES

131

57

**Production
Staff**

25

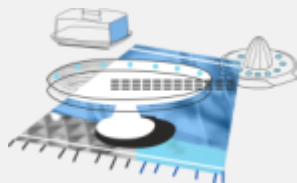
**Quality Control
Staff**

18

Production tooling

PLANT AREA

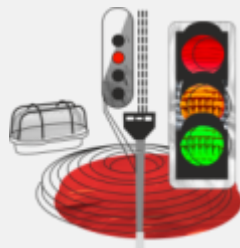
1.32
ha



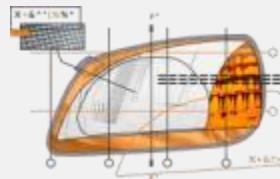
**Glass
Tableware**



**Antique
Stained Glass**

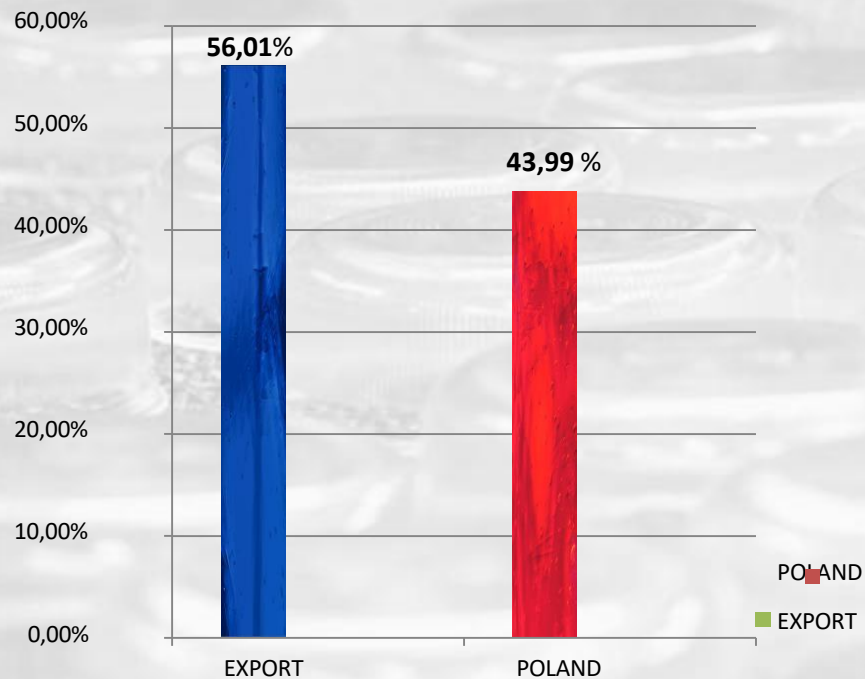


**Technical
Glass**

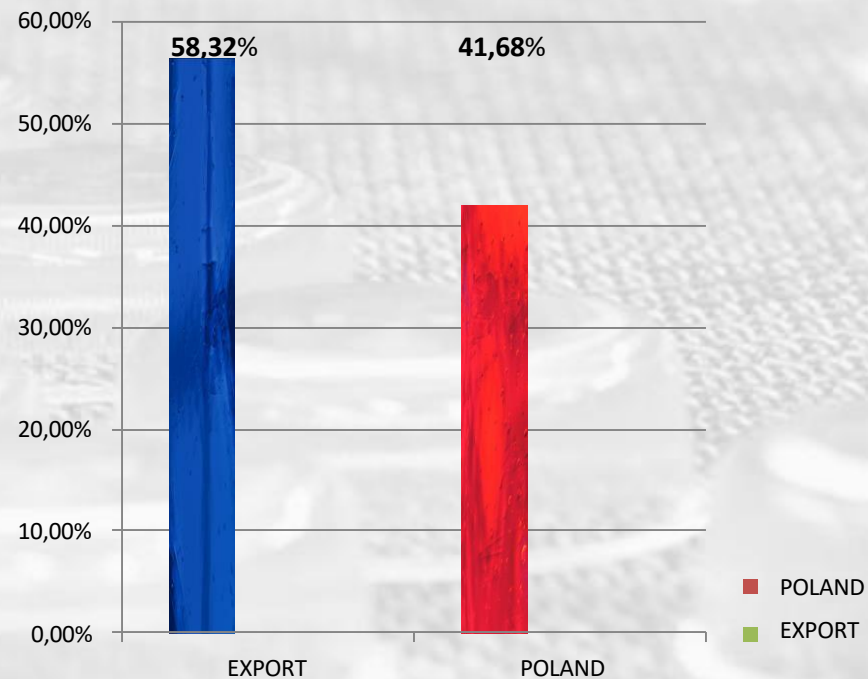


**Bespoke
Glass Solutions**

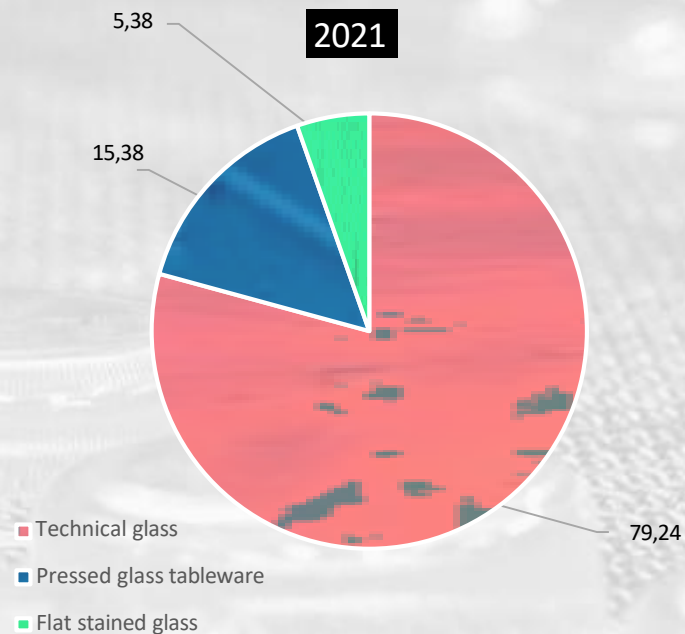
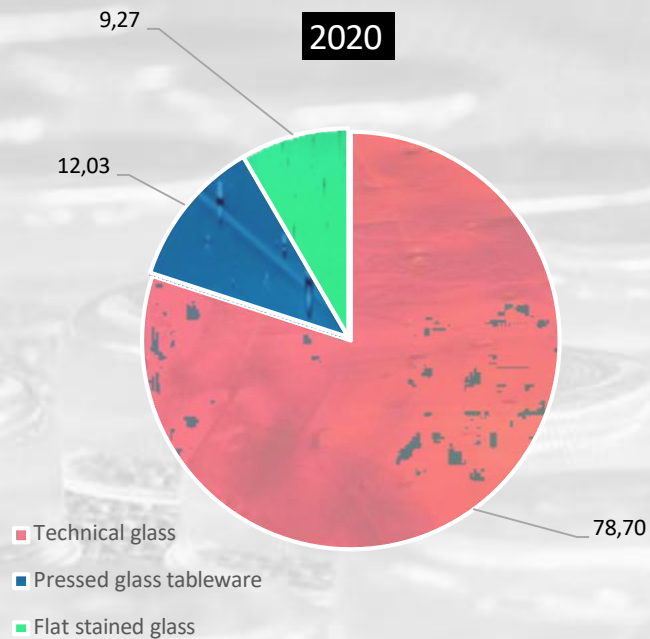
2020

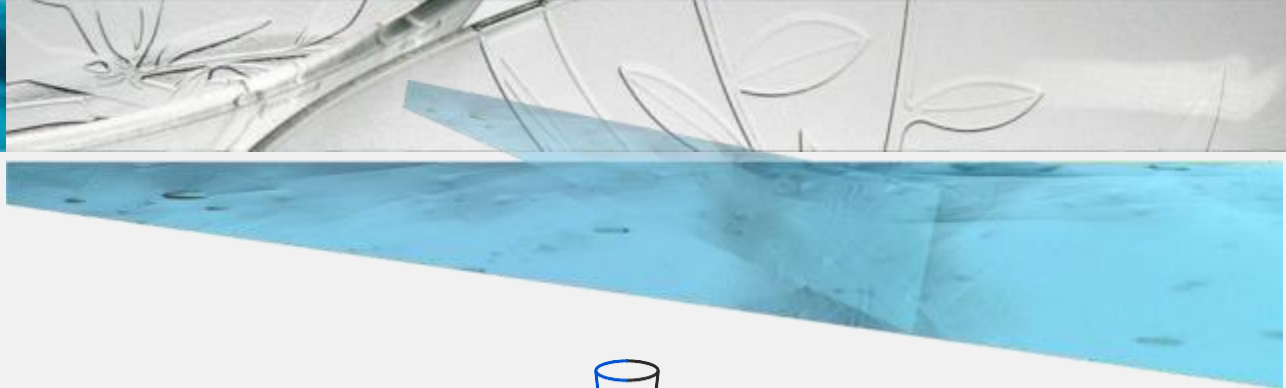


2021

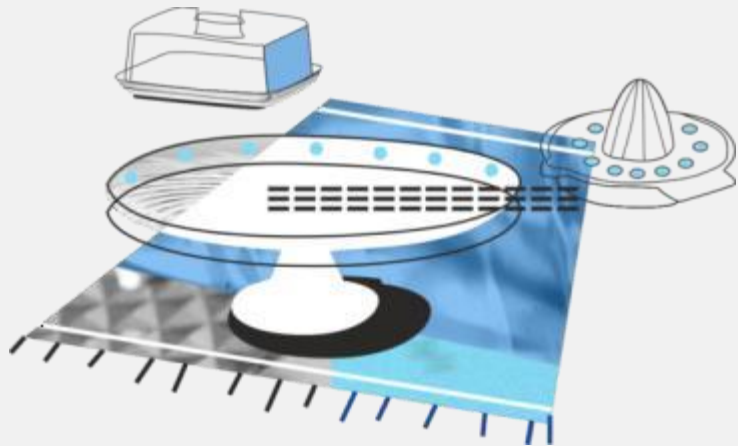


Product range – percentage share

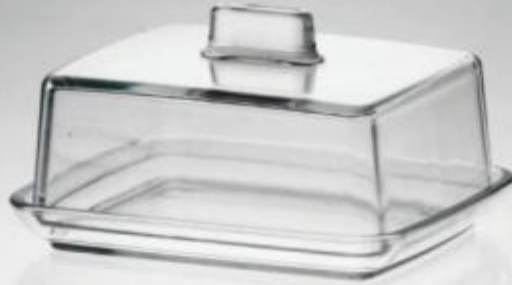
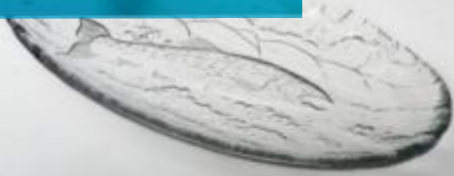




Glass tableware



Jasło Glassworks started its operations **in 1922** with the production of glass tableware and glass packaging. The glassworks returned to this tradition about twenty years ago. Since 2016, in order to revive and promote **Polish design**, Jasło Glassworks has been collaborating with young, talented designers.





OUR PRODUCTS



- saucers
- sugar bowls
- plates
- bowls
- ashtrays
- glasses
- beer mugs
- vases
- platters

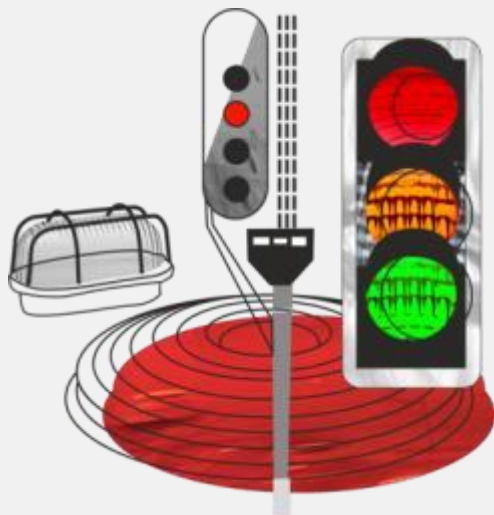












Technical Glass

We are the only glassworks in Poland which produces technical glass and it is in our factory that **headlamps, signalling lenses, lampshades and products for street lighting** are created.

Jasło is a key supplier to connoisseurs, restorers and owners of classic vehicles as a source of headlamps for their vintage cars, trams or trains.







—◆— OUR PRODUCTS —◆—

Lampshades

- lampshades
- shields

Glass headlamps

- clear
- coloured

Signalling lenses

- road signalling
- railway signalling

Road reflectors











Technical glass – specification:



- water Resistance –class 4 ISO / 719: 1994
- glass batch - soda-lime-potassium glass
- additional toughening of glass upon request
- colour- clear or coloured
- size - max 400 x 200 mm, diameter 315mm



Our partners





Antique Stained Glass

Jasło is **one of only three glassworks in Europe** that continue to produce antique stained glass using traditional methods dating back to the early nineteenth century.





Application



- renovation of heritage architecture - stained-glass windows and doors **in historical buildings**,
- **production** of new and **restoration** of old stained glass windows,
- **production** of Tiffany style lamps,
- **glass for the home** – inspiring glass solutions for discerning customers,













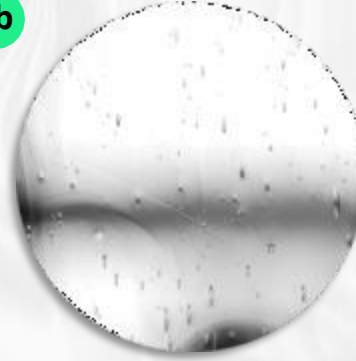


THE DISTINCTIVE TEXTURE OF GLASS

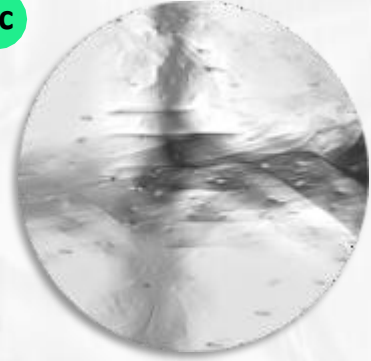
1a



1b



1c



2a



2b



2c



- bubbled or dimpled linear structure

- **1/ bubbled structure**

due to the production method all the bubbles are fusiform which increases **the diffusion of light** making the glass more attractive

- **2/ dimpled linear structure**

linear dimples on the surface of the glass pane give it its unique character



THE DISTINCTIVE TEXTURE OF GLASS -

1/ bubbled structure

- due to the production method all the bubbles are fusiform which increases the diffusion of light making the glass more attractive



THE DISTINCTIVE TEXTURE OF GLASS -

2/ dimpled linear structure

- linear dimples on the surface of the glass pane give it its unique character



THE THICKNESS OF THE GLASS PANES

o from 2.5 to 4 mm

- the differing thickness of the glass ensures a variation in the light intensity of each sheet
- colour shade may vary between batches due to the fact that the glass is only made by hand and on a small scale



150

there is a choice
of one hundred
and fifty colours

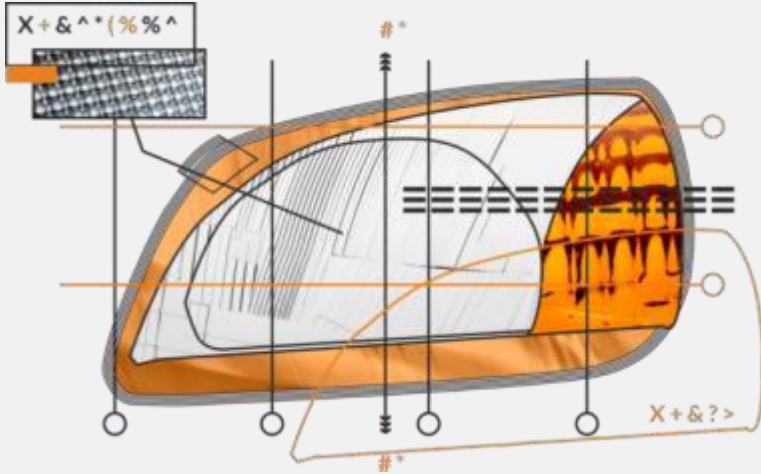




Technical specification



- **water resistance** - Class 4. ISO/719:1994
- **glass batch:** soda-lime-potassium containing pigments: red, green, blue, amber purple, grey and other shades of these colours (one hundred and fifty colours)
- **size:** min 40 x 60 cm, max 50 x 100 cm (and all dimensions between these two dimensions). The sizes 80 x 80 cm and 100 x 100cm are to special order only
- **thickness:** 2.5 - 4 mm



Bespoke Glass Solutions

Our glassworks can be commissioned to complete individual projects, Either the preparation of **moulds** only as well as **the full completion** of submitted designs or patterns.



Order fulfilment



- our flexible manufacturing facilities allow us to scale production to suit both **large** and **small** order quantities.
- simply provide us with a **technical drawing** or **3D model** of the glass, and we will do the rest.



Order fulfilment



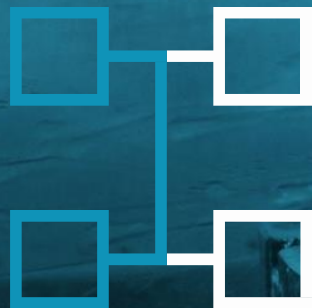
- Jasło Glassworks has a well-equipped and extensive structural and mechanical department which enables us to prepare any type of **tooling**.
- in special cases, our production team are able to use **moulds supplied by the customer** and will adapt them to work on our production line.



Production capabilities of our plant



- glass thickness 5-12 mm
- weight up to 1.5 kg
- type of glass - clear glass, body tinted glass, pressed, soda-lime batch
- glass products are made in cast iron moulds
- diameter: 50mm minimum, 320 mm maximum
- height - minimum 10 - 20 mm, maximum diameter 120 - 140 mm, also possible 180 mm but only for narrow products
- protrusions up to 12 mm



Manufacturing
facilities







Our mechanical workshop includes:



- **two machining centers 3-axial - Mikron VCE 600PRO**
- maximum workpiece size is 450x550mm
- **CNC milling and manual machines**
- **CNC lathes and manual lathes**
- maximum dimensions of the workpiece 630mm diameter and 2000mm length
- **universal grinding machines**
- **band sawing machines**
- **drills**
- **welding machines**



- One big advantage of Jasło's facilities is
our own chrome plating plant.
We are able to chrome plate and de-chrome
any item produced by us.
- The maximum dimensions of the mould are
450 x 550mm





- We have **three automated production lines** used for mass production of glass products:

six-stand station automated production line for high-volume products

- **Robot KAWASAKI**

single-stand station for glass pressing

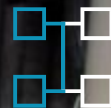
- **Robot KAWASAKI**

single-stand station for glass pressing

- **Robot ABB**



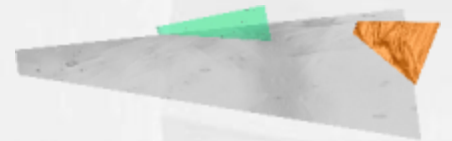








- **Drilling**
- **Grinding**
- **Cutting**
- **Sanding**
- **Surface coating – metallization (from July 2016)**
- **Surface treating by SO₂**





Quality control



JASLO
GLASSWORKS



GRUBO





- The QC department has **highly qualified staff** as evidenced by **the low rate of customer complaints** @ 0.04%.
- Quality audits by our clients such as **Hella, BOSCH , PENTAIR, Automotive Lighting, Maesa** always produce a **positive result**.

- Since 2000 Jaslo Glassworks has held

ISO 9001:2015

issued by TUV Rheiland.



JASŁO

GLASSWORKS

THANK YOU FOR LISTENING

Huta Szkła w Jaśle S.A.
ul.Śniadeckich 19
38-200 Jasło

T. +48 13 443 82 00
F. +48 13 446 20 94
E. sekretariat@jaslo-glass.pl

NIP: 685-000-54-35
REGON: 370034771
KRS: 0000323994

District Court in Rzeszów
XII Economic Department
Share capital of 1 950 000 PLN