

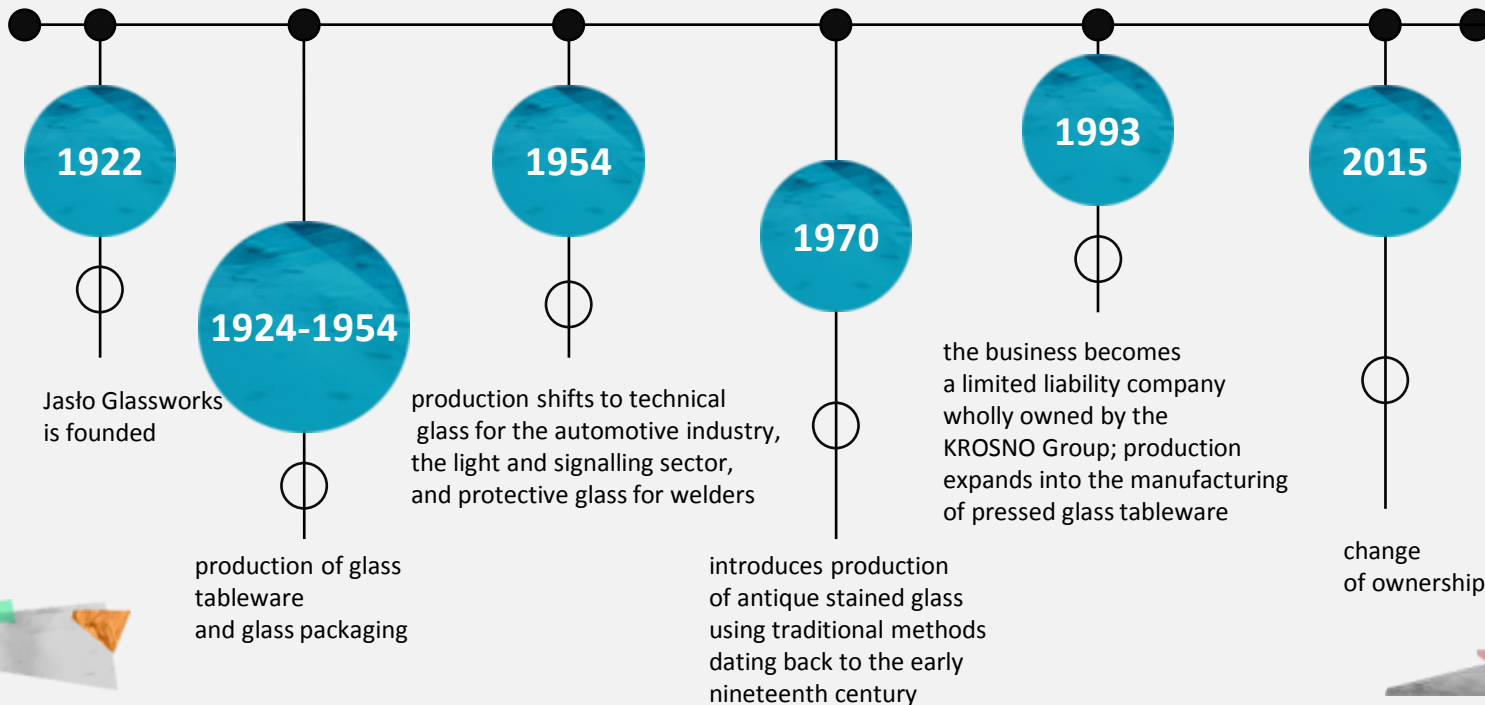


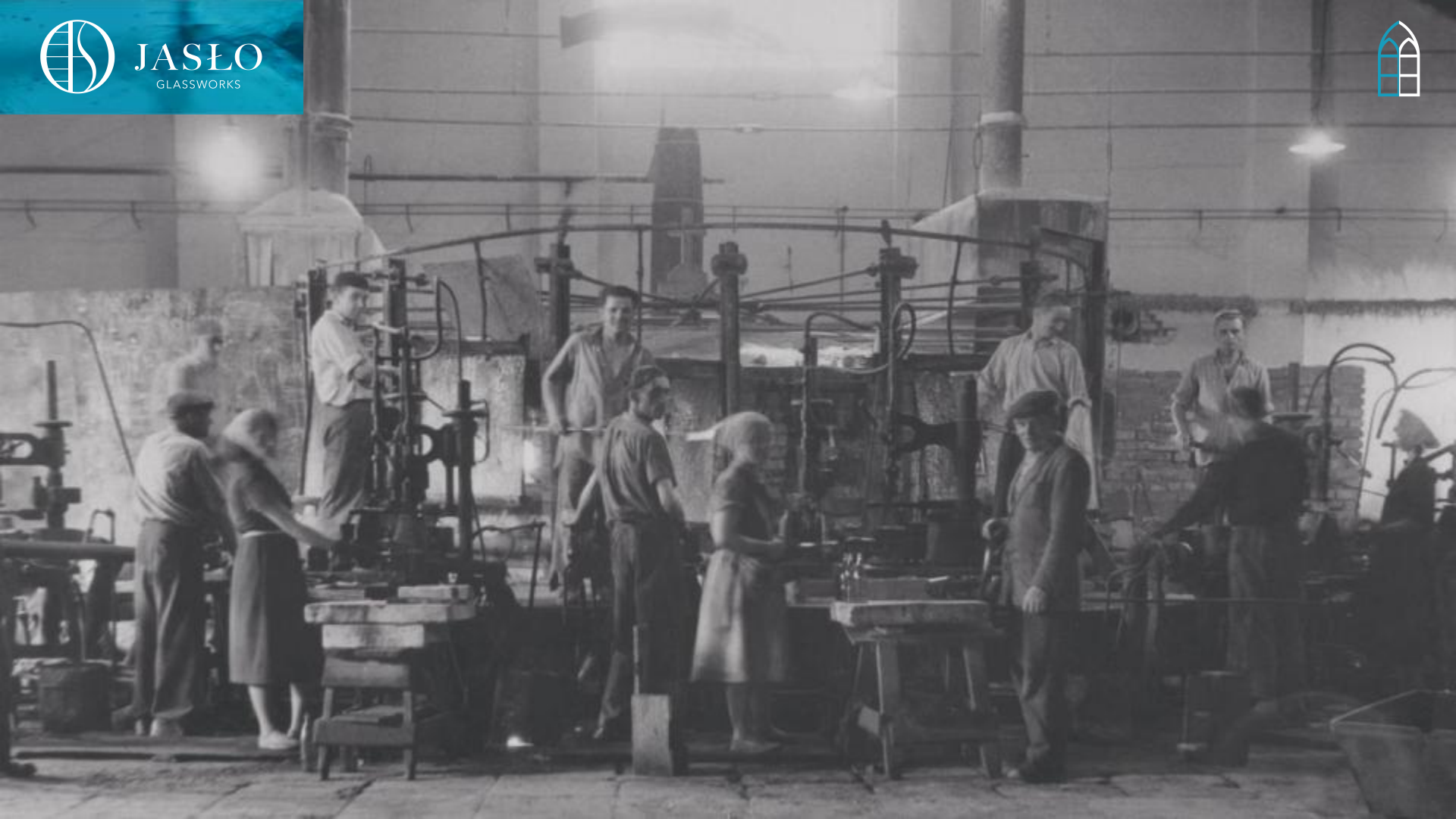
JASŁO

GLASSWORKS

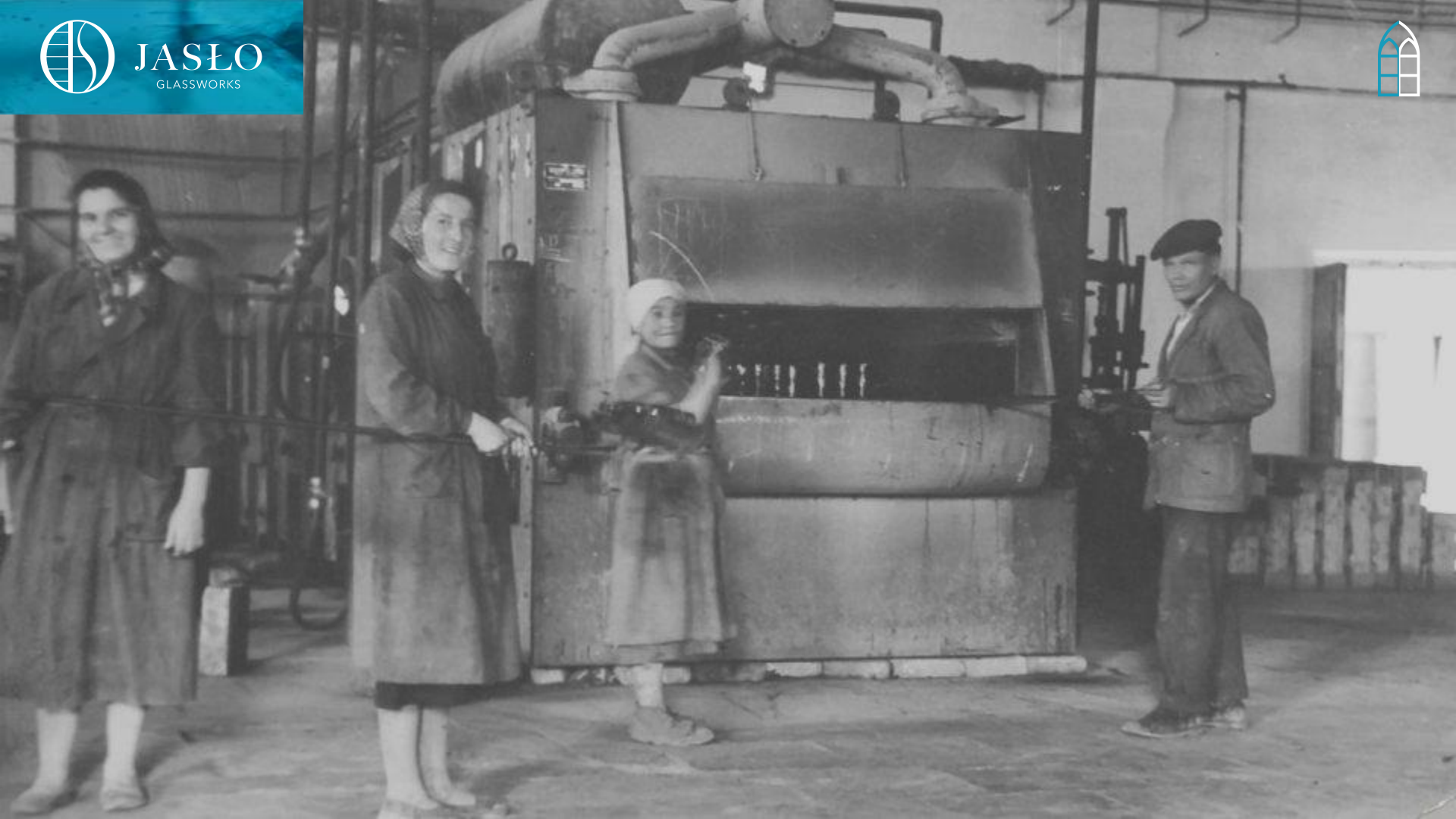


## HISTORIA HUTY SZKŁA W JAŚLE











EMPLOYEES

257

Production  
Staff

146

Quality Control  
Staff

35

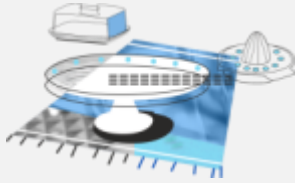
Production tooling

14

PLANT AREA

1.32

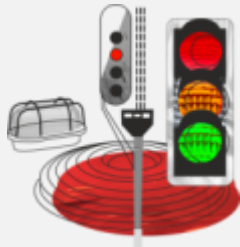
ha



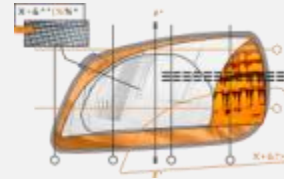
**Glass  
Tableware**



**Antique  
Stained Glass**

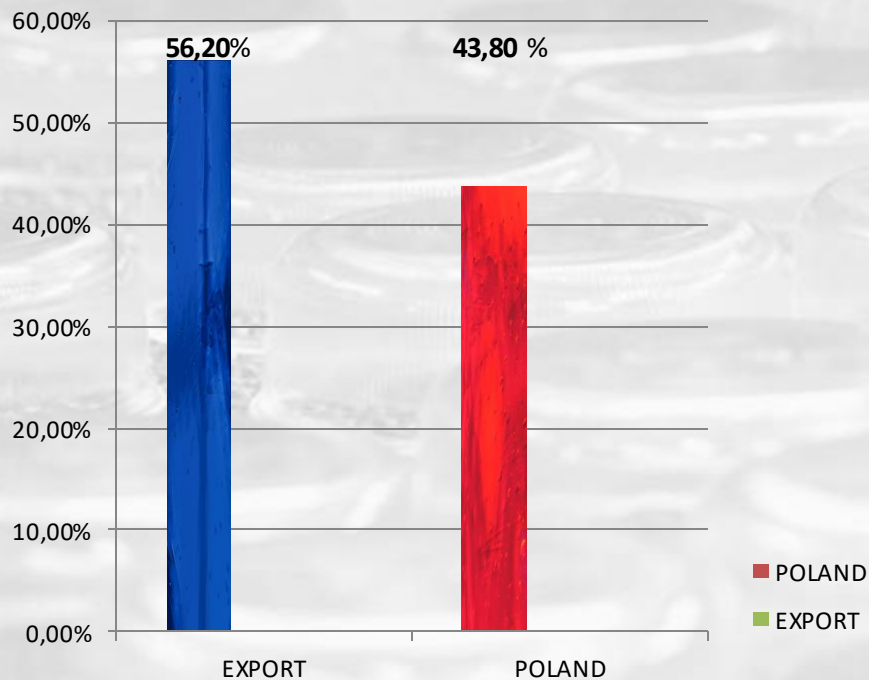


**Technical  
Glass**

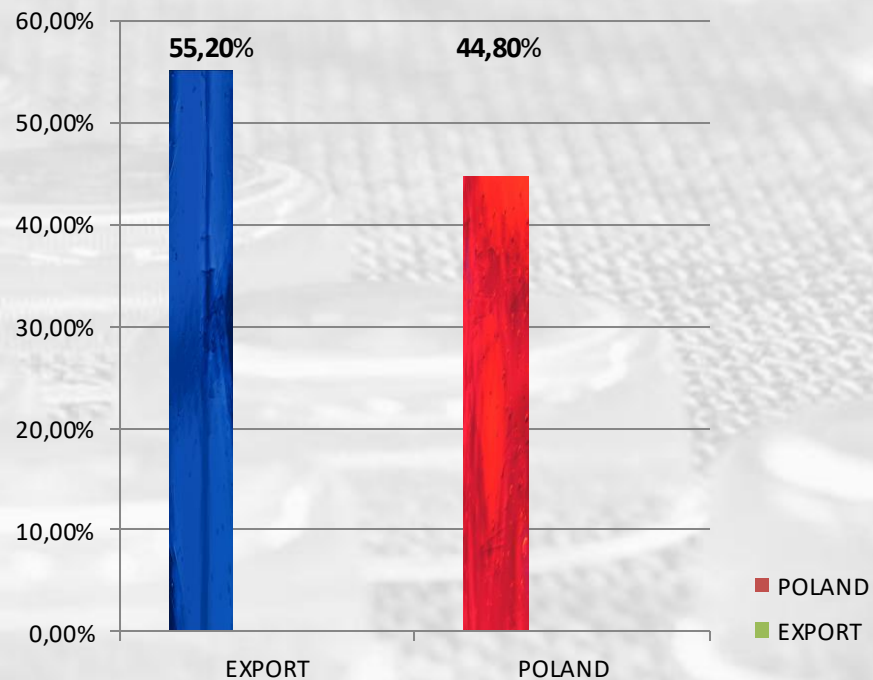


**Bespoke  
Glass Solutions**

2018

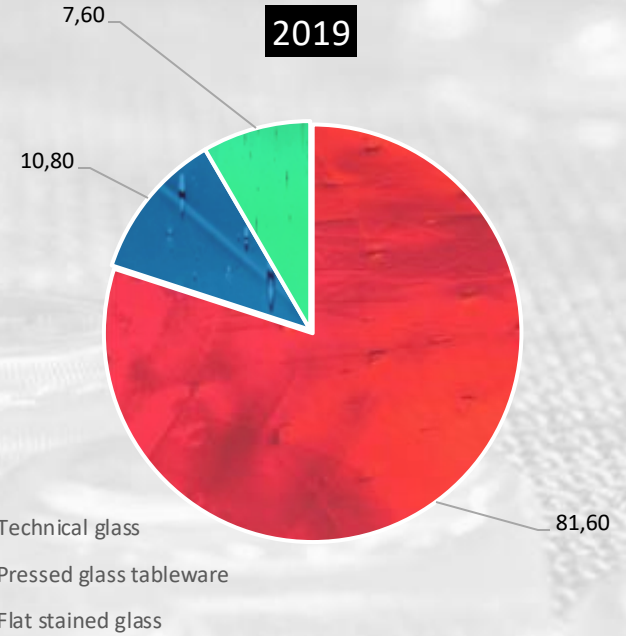
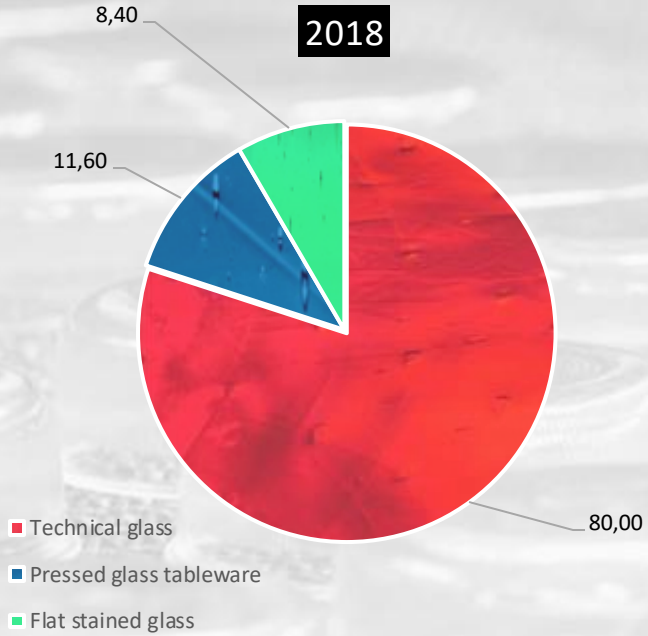


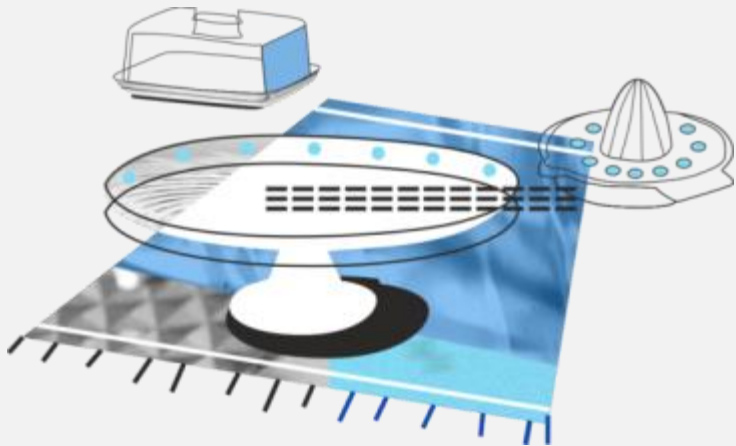
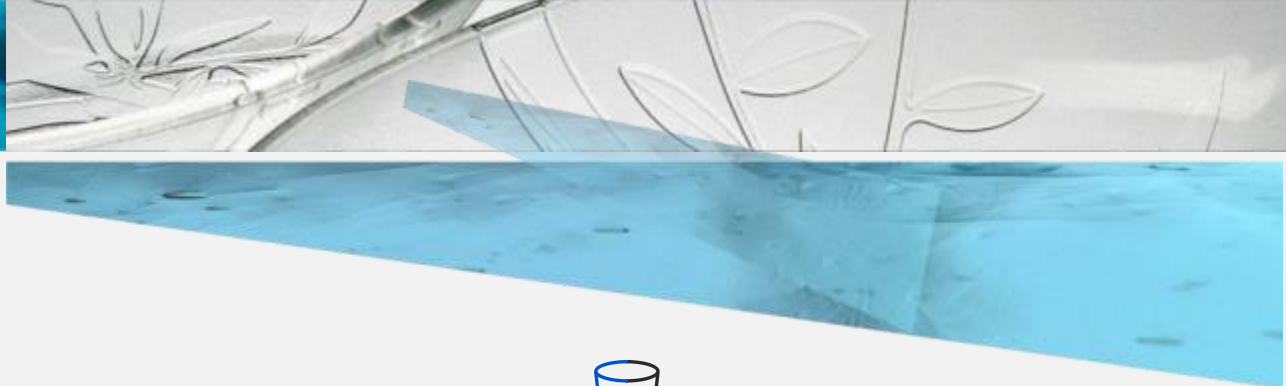
2019





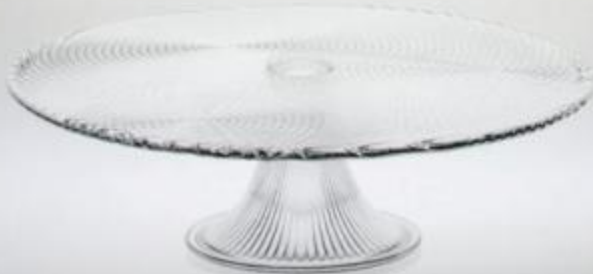
## Product range – percentage share





## 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



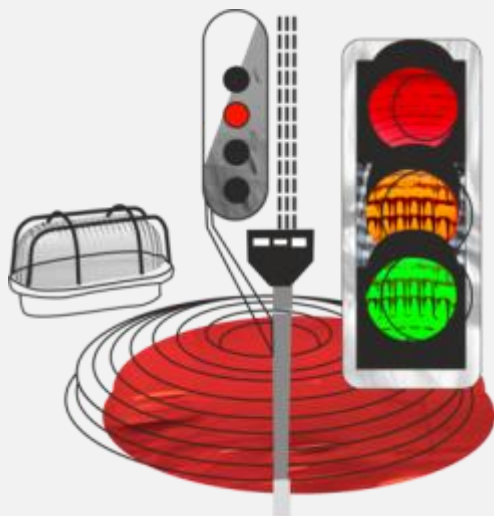












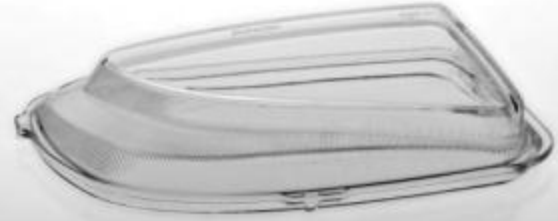
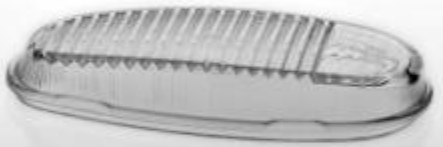
## Technical Glass

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

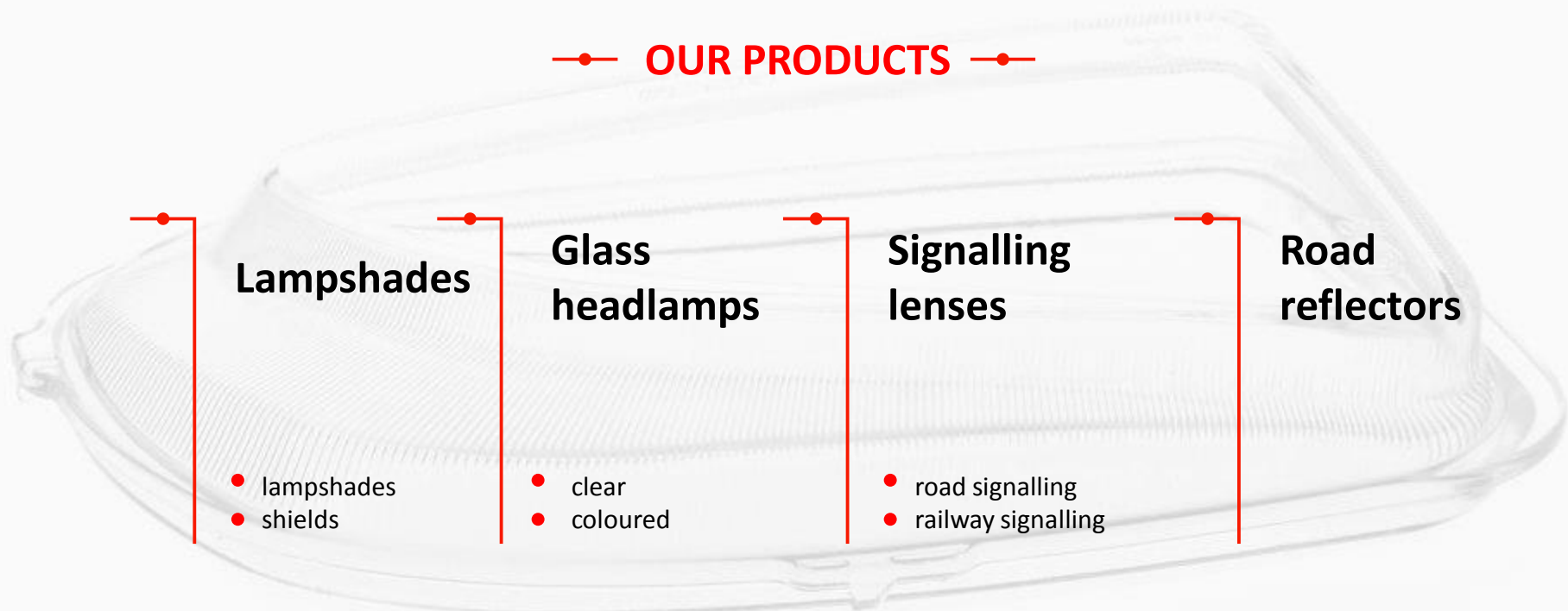
### Glass headlamps

- clear
- coloured

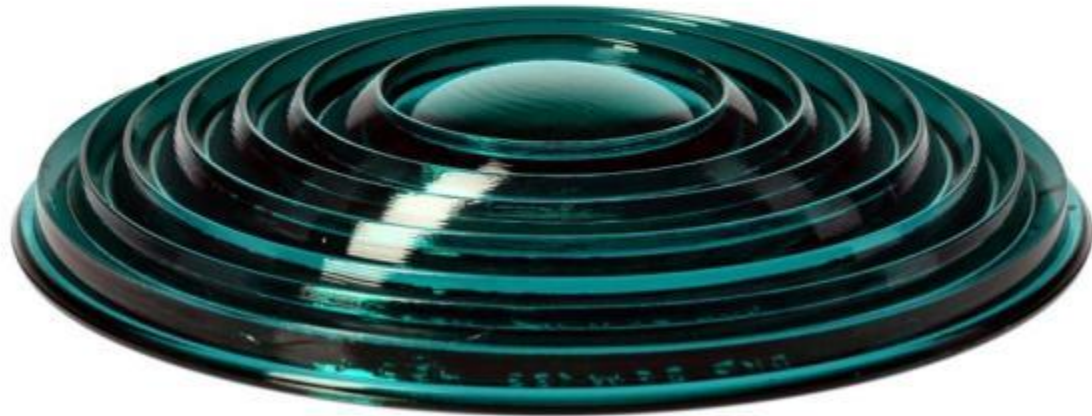
### Signalling lenses

- 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

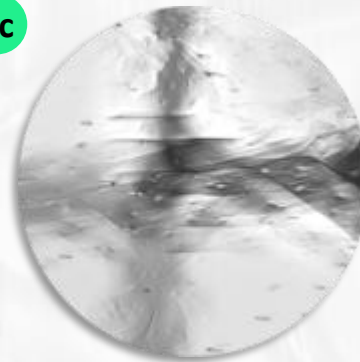
1a



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

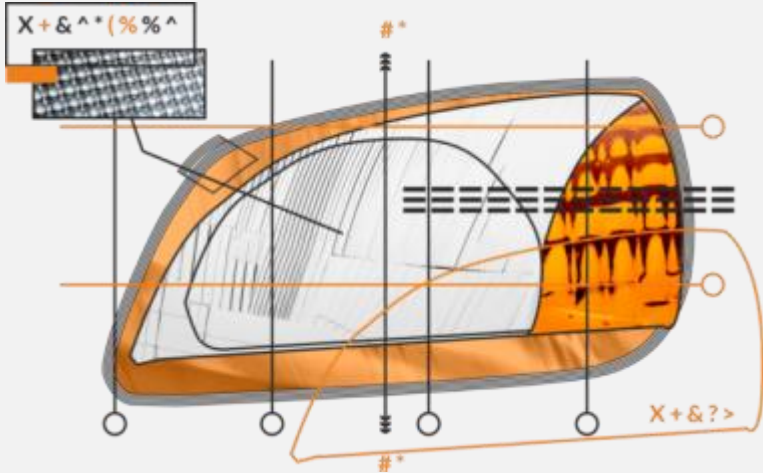
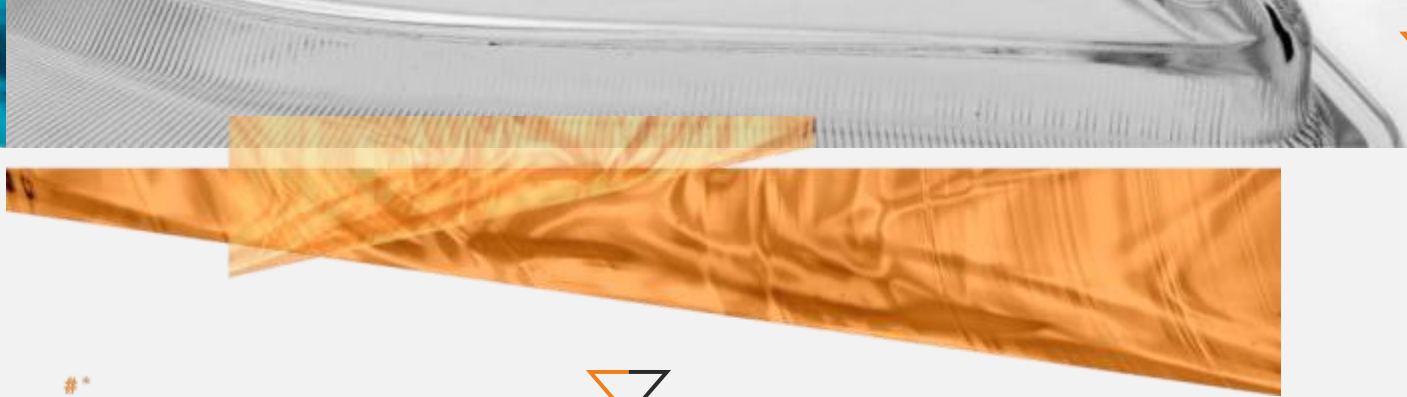
there is a choice  
of one hundred  
and fifty colours



## 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



- Jaslo 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.

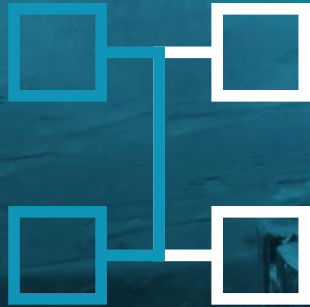


## Production capabilities of our plant



- 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









JASLO  
GLASSWORKS





## 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**





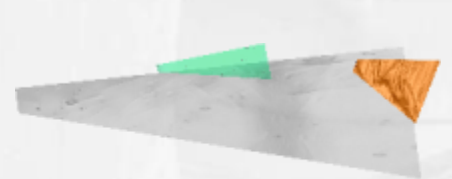








- **Drilling**
- **Grinding**
- **Cutting**
- **Sanding**
- **Surface coating – metallization (from July 2016)**







Quality control



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 Austria, BOSCH , PENTAIR** always produce a **positive result**.

- Since 2000 Jaslo Glassworks has held

**ISO 9001:2008**

issued by TUV Rheiland.





# JASŁO

GLASSWORKS

THANK YOU FOR LISTENING

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