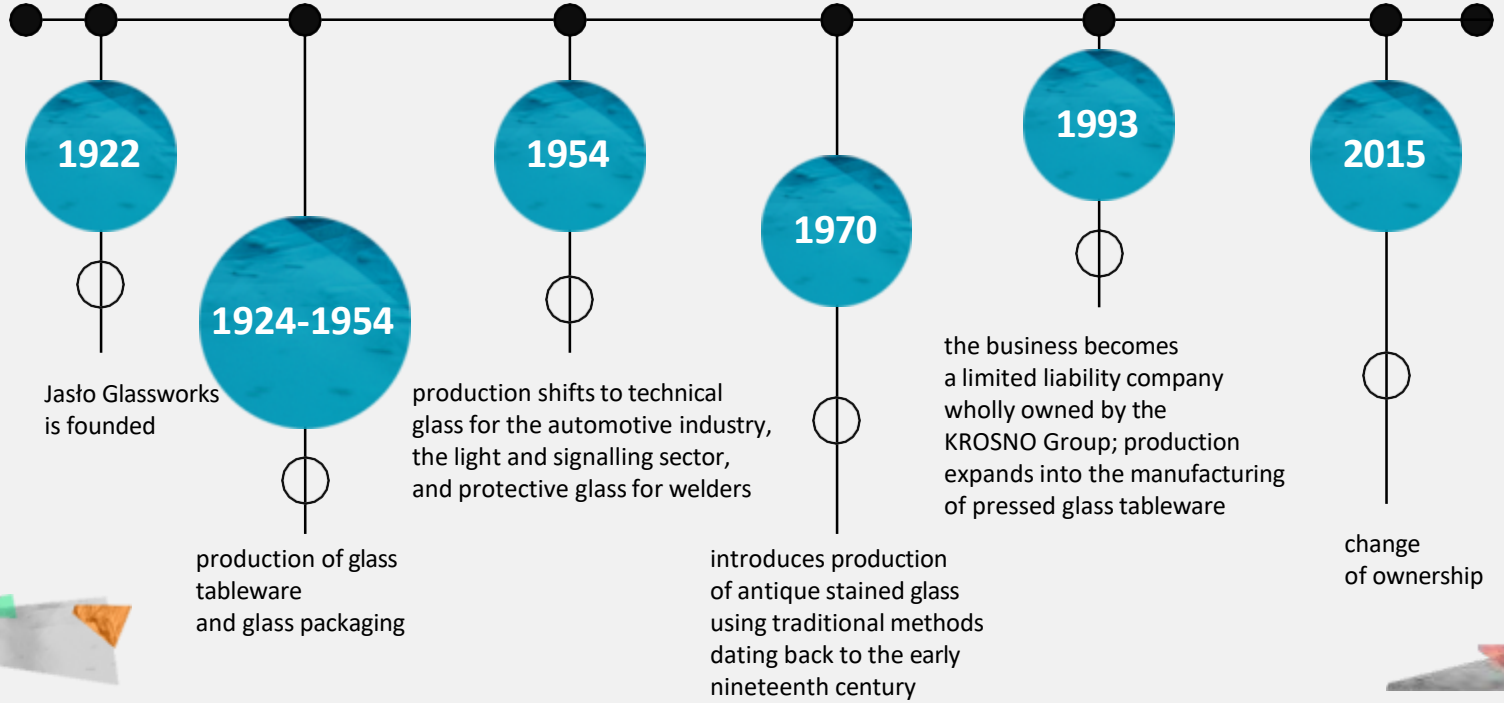
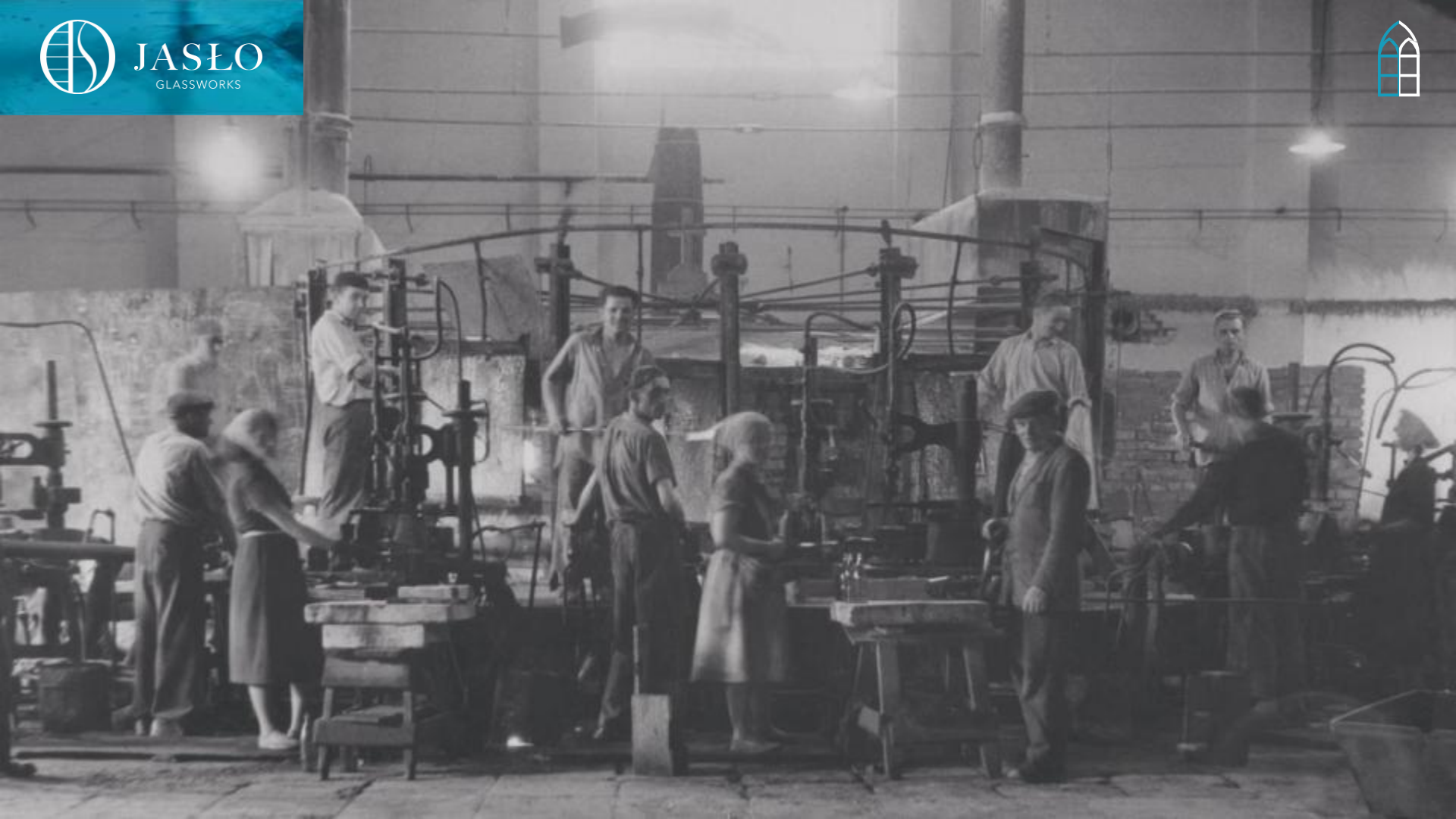
JASŁO
GLASSWORKS

# HISTORIA HUTY SZKŁA W JAŚLE

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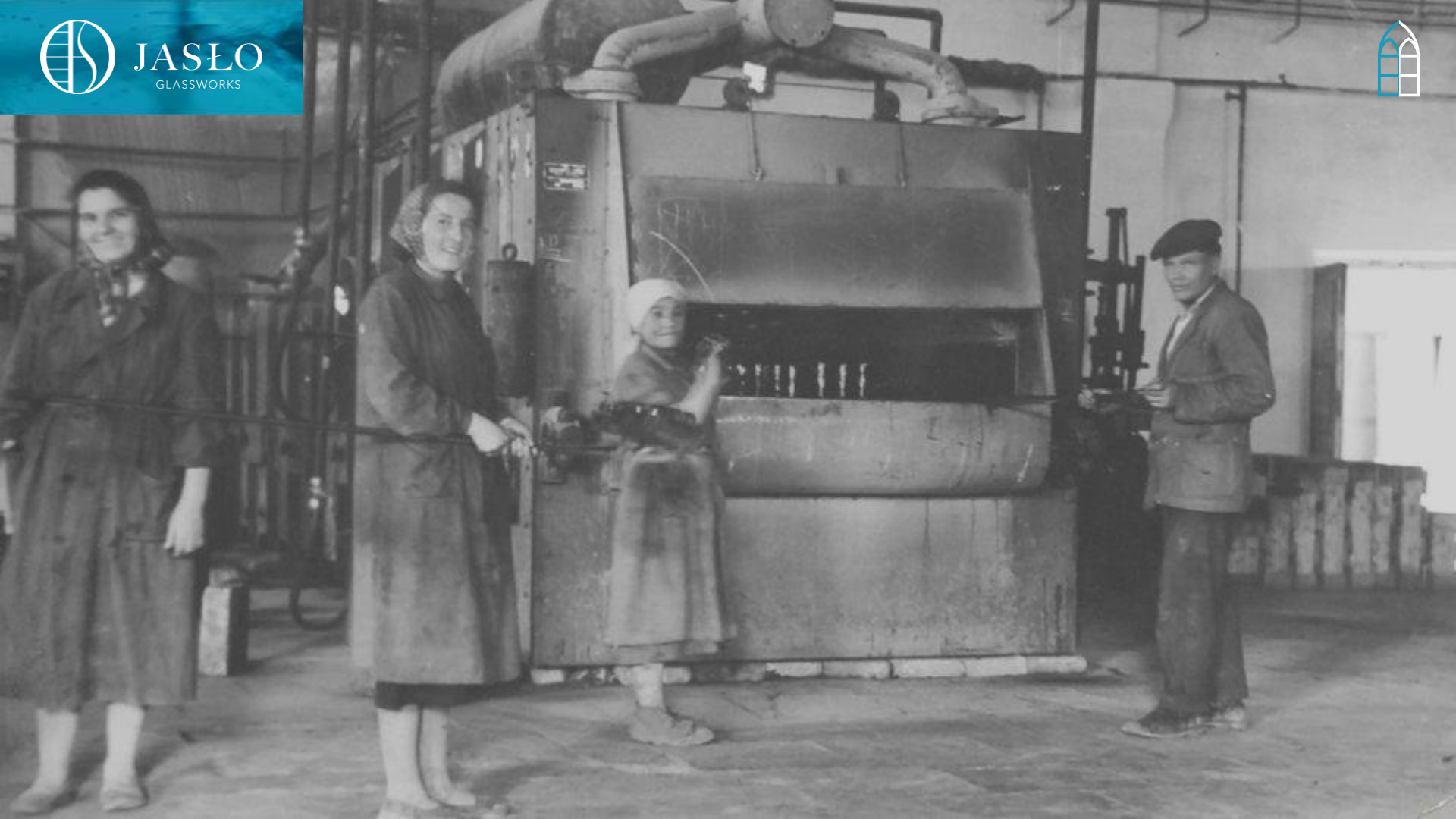
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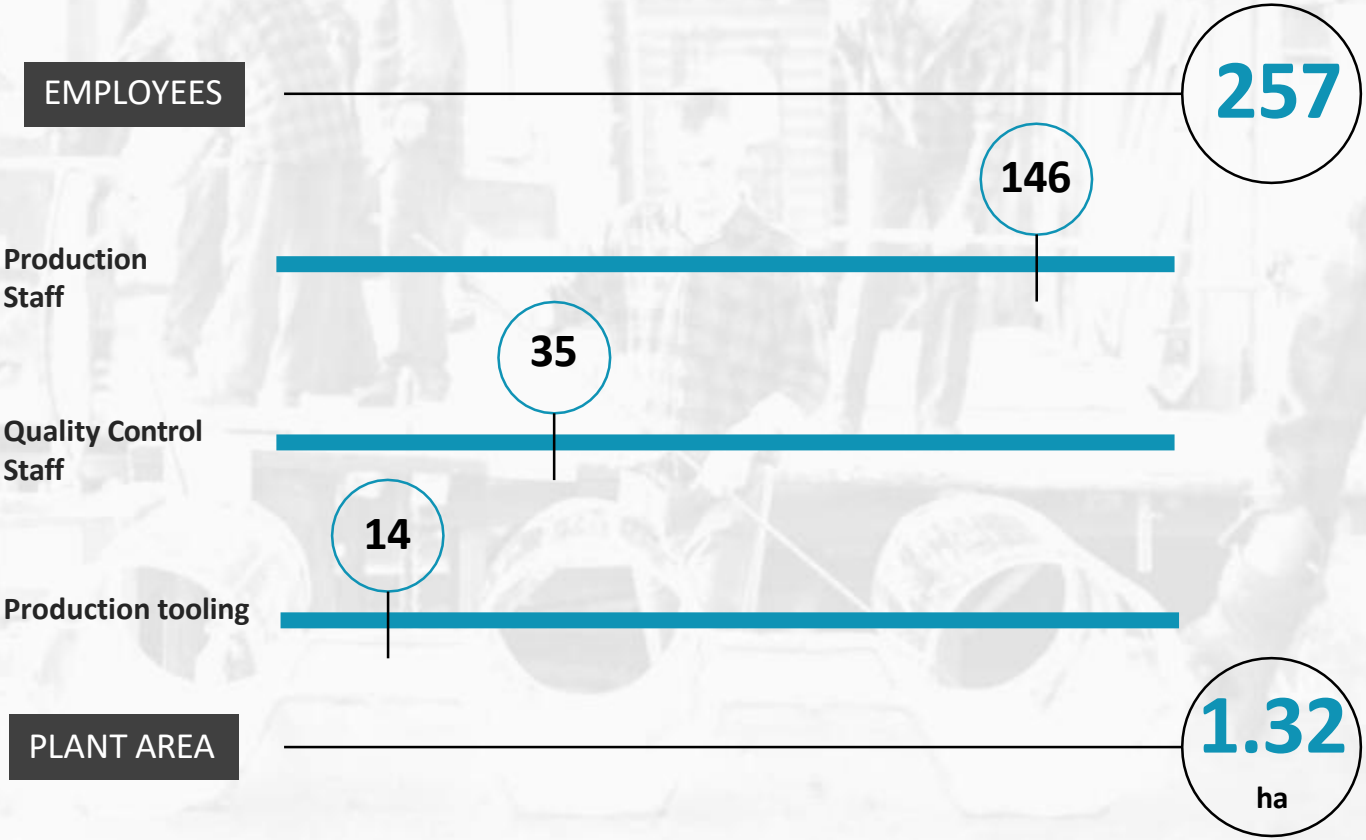
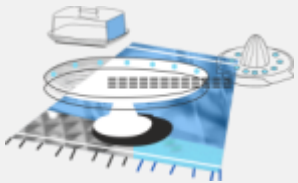
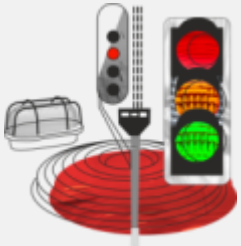
# General information



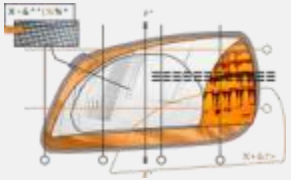


## Glass Tableware

## Antique Stained Glass

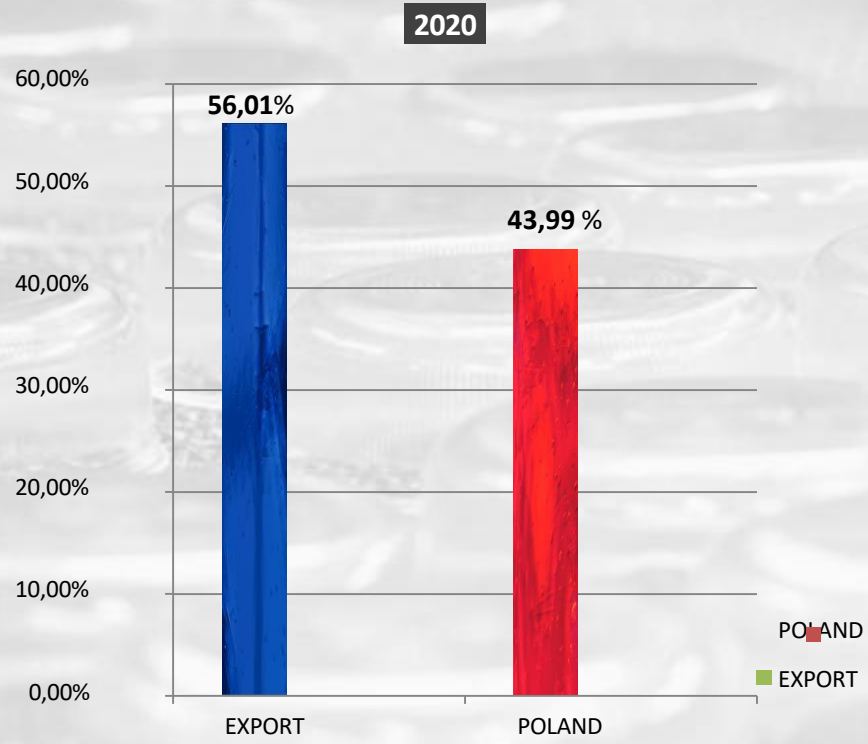


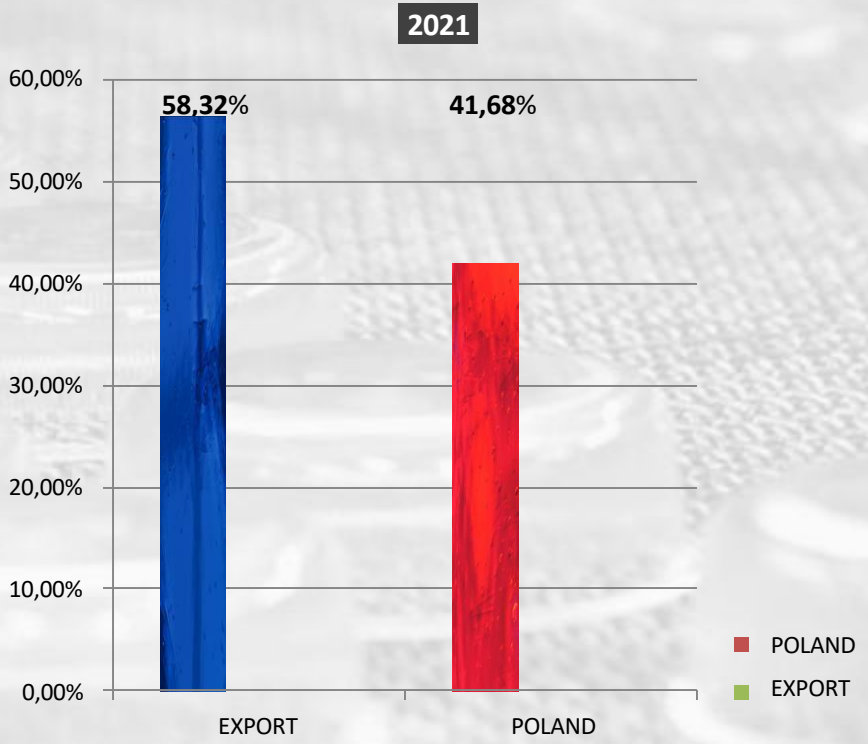
## Technical Glass



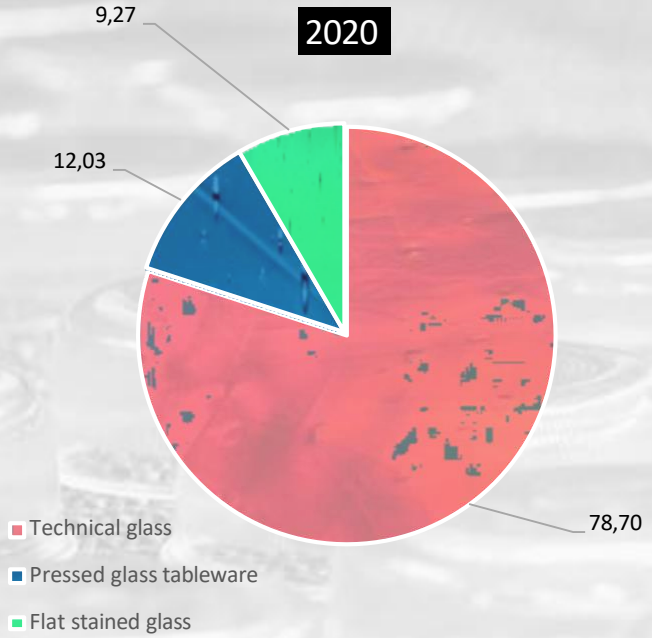
## Bespoke Glass Solutions

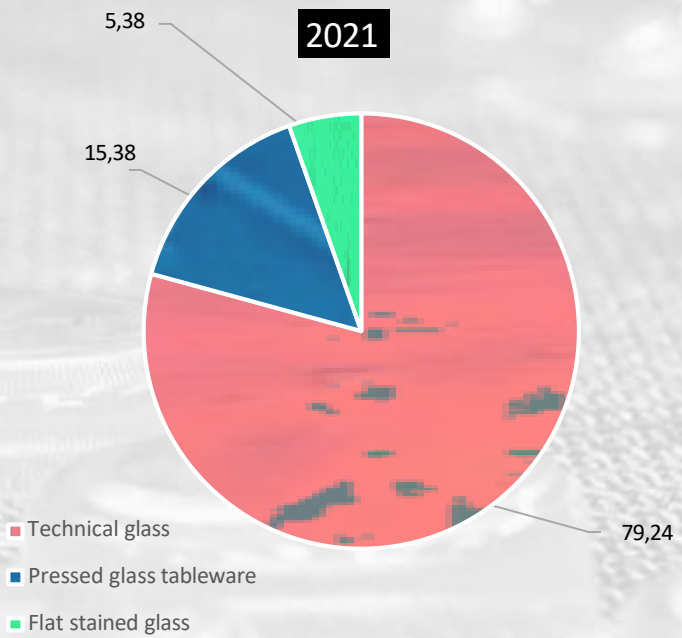
# Market


2020
60,00%
50,00%
40,00%
30,00%
20,00%
10,00%
0,00%
56,01%
43,99 %
EXPORT
POLAND
POLAND
EXPORT


2021
60,00%
50,00%
40,00%
30,00%
20,00%
10,00%
0,00%
58,32%
41,68%
EXPORT
POLAND
POLAND
EXPORT

# Product range – percentage share



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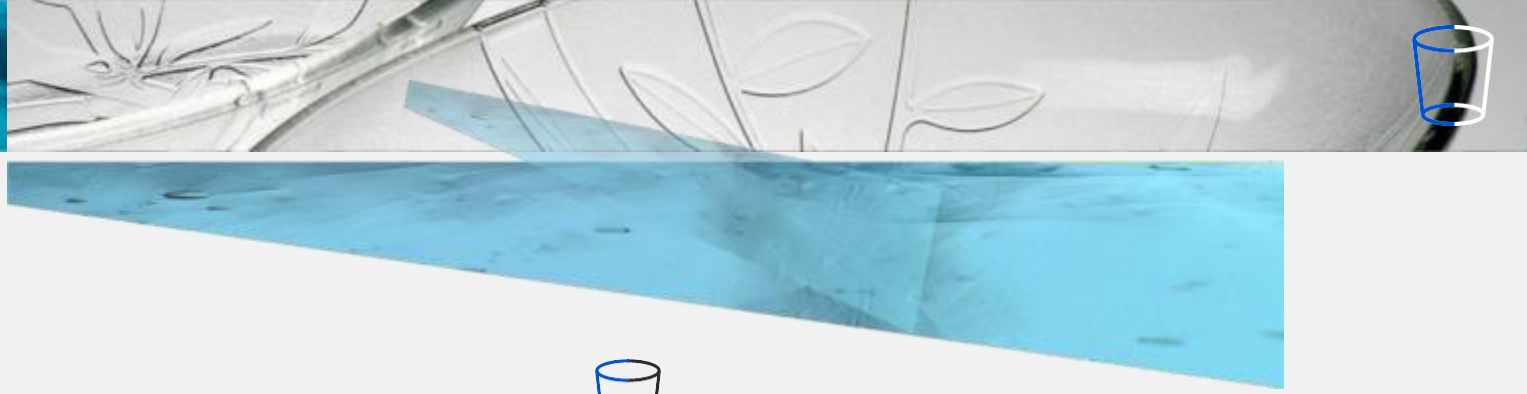

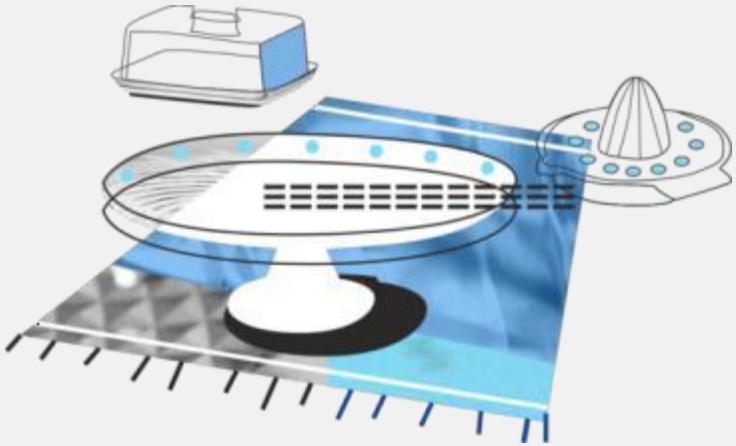

# Glass tableware

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.

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# OUR PRODUCTS

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

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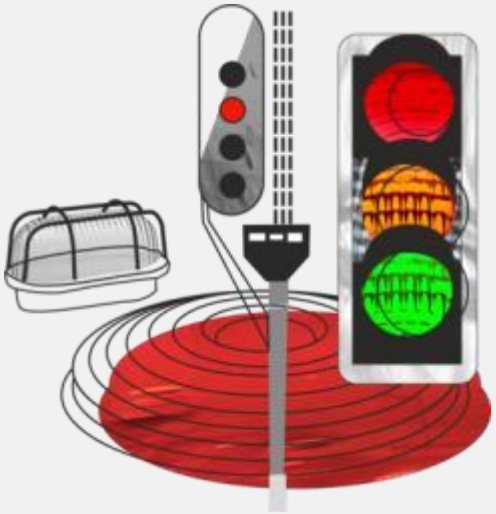

# Technical Glass

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.

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Firebird

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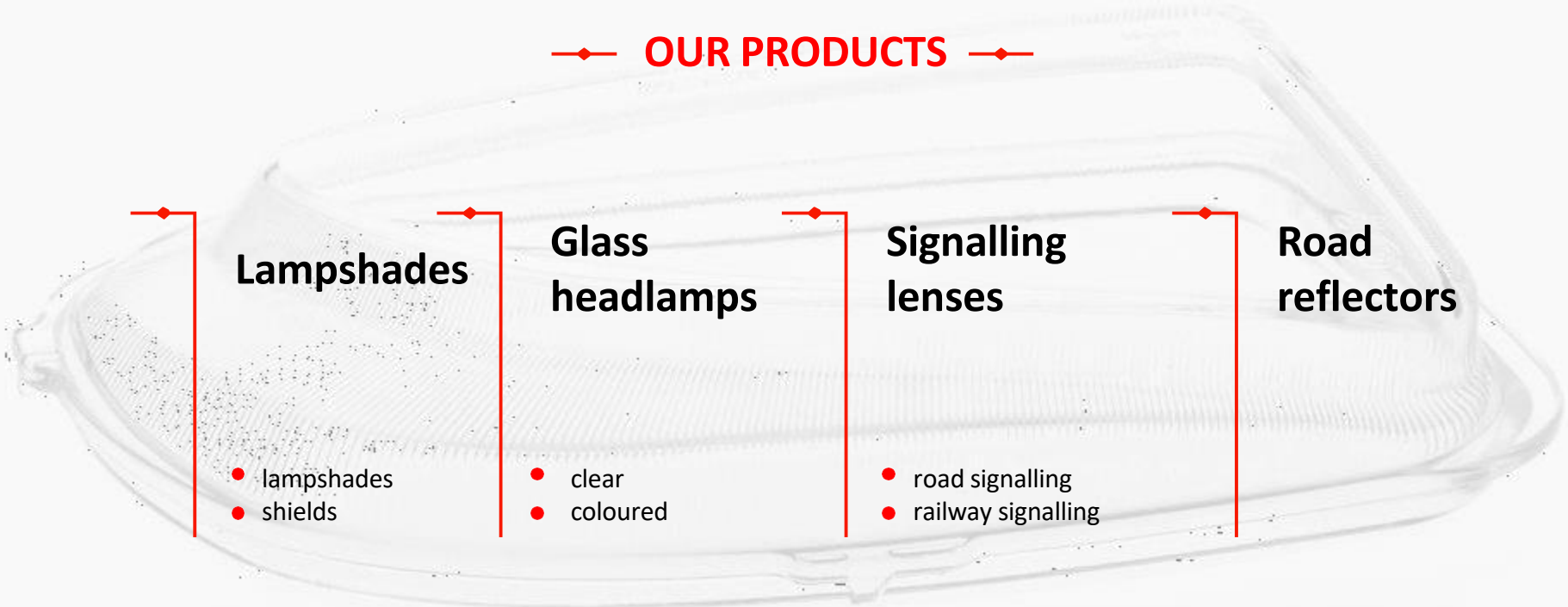
# OUR PRODUCTS



## Lampshades

- lampshades
- shields

## Glass headlamps

- clear
- coloured

## Signalling lenses

- road signalling
- railway signalling

## Road reflectors

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# 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

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# 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.

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## 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,

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Stained Glass

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# Stained Glass

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## Stained Glass

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# Stained Glass

## THE DISTINCTIVE TEXTURE OF GLASS

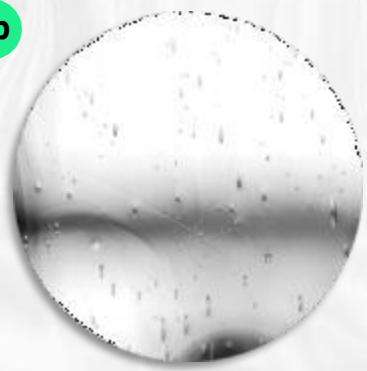
- bubbled or dimpled linear structure
- **1/ bubbled structure**

  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**

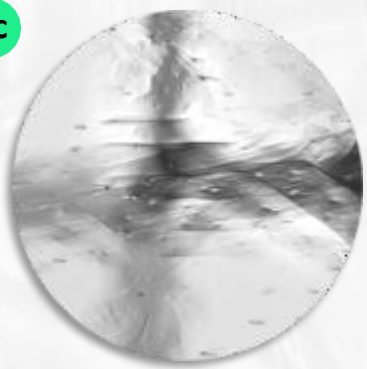
  linear dimples on the surface of the glass pane give it its unique character

1a

1b



1c



2a

2b

2c

**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

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Stained Glass

# 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

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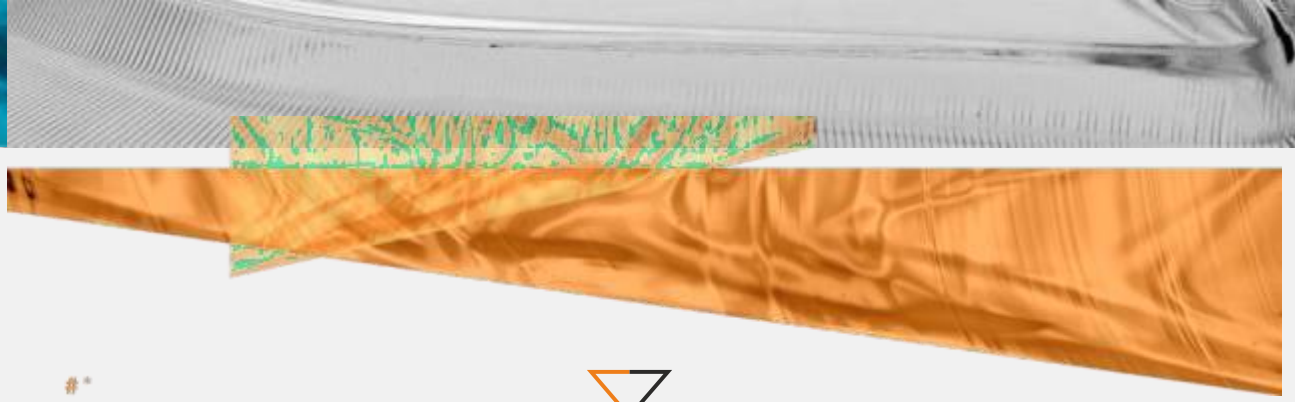

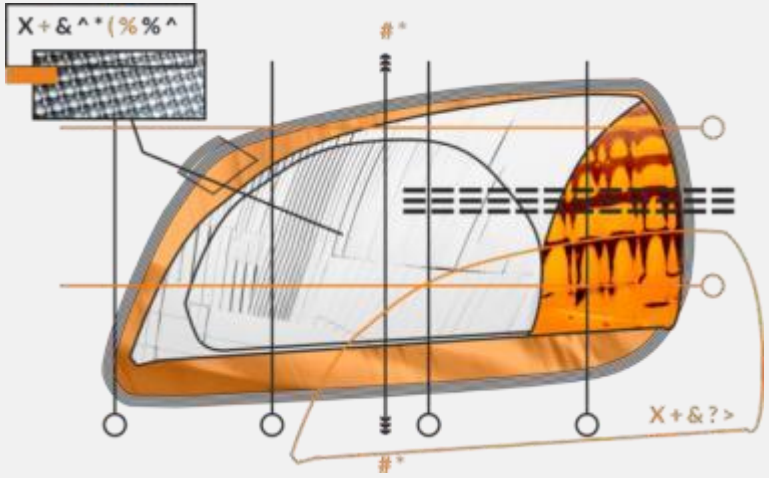

# Bespoke Glass Solutions

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

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# Manufacturing facilities

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# 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**

# Manufacturing facilities

- 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**

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# Manufacturing facilities

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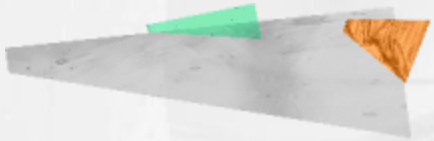
# Manufacturing facilities

# Further glass processing possible at the glassworks

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



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# Quality control

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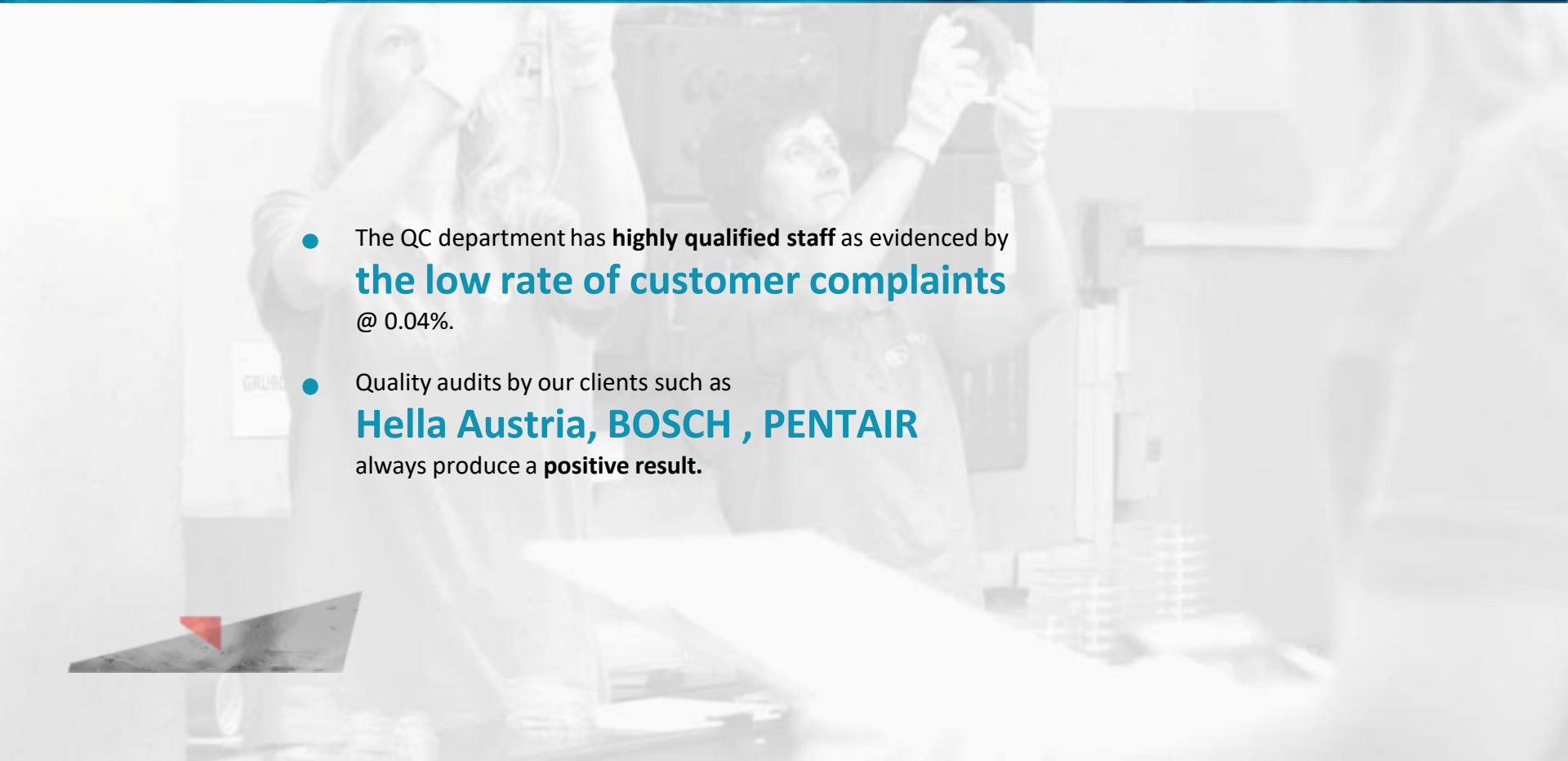

- The QC department has **highly qualified staff** as evidenced by **the low rate of customer complaints** @ 0.04%.
- Quality audits by our clients such as **Hella Austria, BOSCH , PENTAIR** always produce a **positive result.**

# Certificates

- Since 2000 Jaslo Glassworks has held

## ISO 9001:2008

issued by TUV Rheiland.

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THANK YOU FOR LISTENING

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