



**Your Partner
In Glass**

Technical information



Technical information



In our company, we take the product quality very seriously. Our high-quality products are manufactured in innovative production centres equipped with the latest technologies and machines from renowned manufacturers, as well as the MOVETRO automatic storage system.

The automatic HEGLA cutting lines, the BENTELER, BOVONE and INTERMAC lines for grinding and chamfering, numerical INTERMAC and CMS centres, including a vertical centre for handling glass sheets of up to 3300x7000 mm form the basis of glass processing.

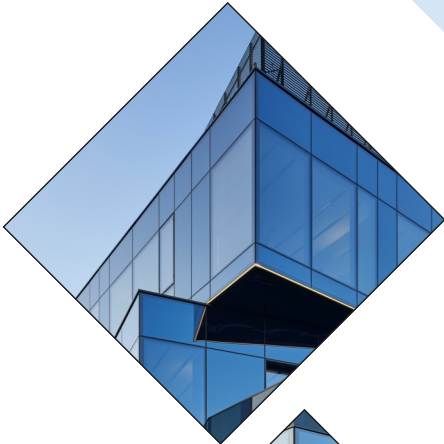
We temper glass in NORTHGLASS furnaces for flat and bent glass. Advanced technological processes are performed using the automatic BENTELER and GLASTON lamination lines, the SCHOLZ autoclave, and the STUDIO1 automatic screen printing line.

We constantly modernize our machine park in the process of learning and developing. Thanks to our progress, we are able to adapt to the individual needs of our customers and meet even the most demanding expectations.

CUTTING THE MONOLITH

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
2	12x12	1605x2000
3 - 5		3210x7000
6	20x20	
8	40x40	
10	60x60	
12	100x100	
15 - 19	150x150	
25	200x200	3210x2550

Scan and learn more



CUTTING OF VSG

Thickness [mm]	Maximum glass size [mm]
22.1	2005x3210
33.1 - 88.4	3700

* large sizes are offered after individual consultation

Scan and learn more



GRINDING F-EDGE

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3 - 19	40x40	2800x4500mm

Scan and learn more



GRINDING C-EDGE

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3 - 8	35x120	1600x2600

CHAMFERING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]	Minimum chamfer [mm]	Maximum chamfer [mm]
3	100x100	1000x2700	5	15
4				30
5				45
6 - 19				50

* 40 mm size is offered after individual consultation

DRILLING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3 - 19	170x170	3210x7000

* 50 mm size is offered after individual consultation

Scan and learn more



DIGITAL CNC MILLING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3	100x250	1200x4300
4 - 8		3210x7000
10 - 19	250x250	

* 60 mm size is offered after individual consultation

Scan and learn more





ROLLER PAINTING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
4 - 19	35x250	1300X2200

* large sizes are offered after individual consultation

Scan and learn more



SCREEN PRINTING PAINTING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
4 - 19	50x250	1300x2300

* large sizes are offered after individual consultation

Scan and learn more



TEMPERING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
4	35x300	4200x2440
5 - 19		3210x7000

BENDING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]	R minimalny [mm]
4	200x400	1000x2440	1000
5 - 6			450
8 - 10			1000
12			1200

* bending takes place at the edges of minimum 400 mm and maximum 1000 mm

HST - HEAT SOAK TEST

The tempered glass produced by us meets all the requirements of the PN-EN 12150-1 European standard which strictly defines such quality parameters as mechanical strength, dimensions and tolerances, the nature of the crack pattern and the finish of glass edges.

However, float-type glass has a certain degree of imperfection which comes down to occasional infiltration of nickel sulphide (NiS) particles into the glass mass during the glass production process. Heating the glass during tempering changes the volume of nickel sulphide particles, and when the glass is cooled quickly, which causes its hardening, this prevents the particles from returning to

their previous volume and "keeps" them in such condition. This creates additional stresses in the glass and may result in the breaking of the glass pane. The Heat Soak Test is a method involving heating and maintaining the glass panes in a certain temperature and for a specified period of time, in a special, calibrated furnace in order to identify precipitations. This significantly reduces the risk of spontaneous explosion of tempered glass. The HST test does not cause deterioration of the strength parameters of tempered glass and is more and more often applied by investors in view of the growing safety requirements.

LAMINATING PVB, EVA

Maximum glass size PVB [mm]	Maximum glass size EVA [mm]
3210x7000	3600x2000

Scan and learn more



SANDBLASTING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3 - 19	70x200	1605x2250

* large sizes are offered after individual consultation

Scan and learn more



GLUING

Thickness [mm]	Minimum glass size [mm]	Maximum glass size [mm]
3	100x200	1000x3000
4 - 19		1600x3000

Scan and learn more





The services and products in our offer are tailored to the individual needs of customers.
More information about our solutions is available at www.wutkowski.com.pl.

Wutkowski **Spółka z ograniczoną odpowiedzialnością**

Ul. Szklanych Domów 1
89-530 Śliwice

tel: +48 52 334 08 10

kom: + 48 692 989 499

e-mail: sekretariat@wutkowski.com.pl

www.wutkowski.com.pl

