



**PRESSGLASS**

LEADING IN EUROPE

# SPECIAL PROCESSES AND GLASS TYPES

BASIC PRODUCTS

[www.pressglass.com](http://www.pressglass.com)

In order to guarantee the highest quality, **all glass is processed with machinery from the most reputable manufacturers.** Machinery includes LISEC and HEGLA glass cutting lines, LISEC processing and IGU assembly lines, GLASTON / TAMGLASS tempering and bending furnaces, BENTELE & HEGLA CNC machining centers as well as TMB HST ovens.

Particularly advanced technological processes are carried out on our BENTELE production lines for laminated glass, SCHOLZ autoclave and BÜRKLE, TESOMA and DIPTECH devices for the production of printed enamelled glass. We help our machine suppliers define the directions of development.

We participate in testing and implementing new equipment and technologies. Through such equipment innovations, **we constantly expand and modernize our machinery.** This is how we gain and maintain the technological advantage.

Our equipment includes machines from the leading manufacturers.




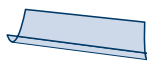
## TOUGHENED GLASS – ESG

Toughening type	Glass thickness [mm]	Minimum dimensions [mm]	Maximum dimensions [mm] C - coated glass
STANDARD	4	100 x 250	1700 x 2500 (C:1500 x 2500)
	5	100 x 250	3200 x 7000 (C:2300 x 3800)
	6 – 19	100 x 250	3200 x 7000



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## BENT TOUGHENED GLASS

Type of bending	Glass thickness [mm]	Minimum panel dimensions [mm]	Maximum panel dimensions [mm]	Minimum bending radius [mm]
LB 	5 float 6 – 10 float 12 – 15 float	500 <sup>(2)</sup> x 200	3600 <sup>(2)</sup> x 2200 4200 <sup>(2)</sup> x 2400 4200 <sup>(2)</sup> x 2400	2500 <sup>(1)</sup> 2500 <sup>(1)</sup> 4000 <sup>(1)</sup>
CB 	6 – 8 float 10 float 12 – 15 float	1000 x 1000	2400 <sup>(2)</sup> x 3600 (4200 <sup>(3)</sup> )	1500 <sup>(1)</sup> 3000 <sup>(1)</sup> 4000 <sup>(1)</sup>

<sup>1</sup> depends on the size and shape, <sup>2</sup> the bending edge, <sup>3</sup> at a increased bending radius

## HEAT STRENGTHENED GLASS – TVG

Glass thickness [mm] C - coated glass	Minimum dimensions [mm]	Maximum dimensions [mm]
4	200 x 450	1700 x 2500 (C:1500 x 2500)
5	200 x 450	3200 x 7000 (C: 2300 x 3800)
6 – 12 (C: 6 – 10)	200 x 450	3200 x 7000



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## HEAT SOAK TEST – HST

The manufacturing process of float glass is done by the smelting of separate ingredients. Molten glass is poured out in special baths, and then formed to the required thickness in a floating process on the surface of melted tin, where it cools down. There exists a risk during this process that inclusions of nickel sulfide will occur. This phenomenon causes an increase

of internal stress in the hardened glass, which could finally lead to self-breaking. Even though this phenomenon occurs extremely rarely, one must allow for this possibility. It is suggested that the toughened glass is put under pre-heating process, during which the glass panes which have pollution content are eliminated from the shipment.

PRESS GLASS company offers the possibility of carrying out an extra glass check by means of the Heat Soak Test method.



## LAMINATED GLASS – VSG

Max. packet thickness [mm]	100
Max. packet dimensions [mm]	3200 x 7000
Min. packet dimensions [mm]	250 x 500
Max. weight of laminated glass [kg]	2000

Types of foils: transparent, matt, acoustic, coloured



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## DIGITAL PRINT

Glass thickness [mm]	Minimum dimensions [mm]	Maximum dimensions [mm]
3	180 x 500	1300 x 2500
4	100 x 250	1700 x 2500
5		2000 x 3000
6 – 19		3200 x 7000



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## SILK-SCREEN PRINTING AND CERAMIC SPANDRELS

Type	Glass thickness [mm]	Minimum dimensions [mm]	Maximum dimensions [mm]
Ceramic spandrels	3	180 x 500	1300 x 2500
	4		1700 x 2500
	5		2000 x 3000
	6 – 19		2600 x 7000
Silk-screen	4	100 x 250	1700 x 2500
	5		2000 x 3000
	6 – 19		2500 x 4500



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## GRINDING AND POLISHING OF EDGES

### PROCESSING OF GLASS WITH RECTANGULAR SHAPES

Glass thickness [mm]	Minimum dimensions [mm]	Maximum dimensions [mm]
3 – 19	100 x 200	3200 x 7000



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## DRILLINGS AND CUTTINGS

Machining type	Glass thickness [mm]	Minimum dimensions [mm]	Maximum dimensions [mm]
Drillings – All shapes cuttings –	drilling or milling milling	3 – 19	150 x 400
			3200 x 7000



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Detailed offer of PRESS GLASS products is available on the website [www.pressglass.com](http://www.pressglass.com)



We constantly modify our manufacturing processes and change habits to limit the negative effect on the environment. In order to facilitate the changes, we have adopted ISO 14001, the worldwide management system for environmental protection.

We kindly request you to minimize the negative effect of this leaflet on the environment by using it multiple times. Please recycle the used leaflet, using the waste sorting method. Thanks to that, the materials can be used again.

Paper has always been and will always be a vital aspect of project and marketing activities. The selection of paper produced in accordance with sustainable development and environmental protection (FSC certificates) and/or recycled paper is becoming a key issue.

Our plants and products are audited or certified by acknowledged certification bodies, including:

BCCA, BM TRADA, BSI, CEKAL, CSQ, ICiMB, IFT, IGCC, Inspecta, SGCC and SP SITAC.

We make every effort to ensure that presented publication contained current information as of the date of print.

Due to the continuous development of our product range may differ from market to market. Product's availability should always be confirmed with Sales Department.

