

## GLASS BEADS (GLASS PEARLS) FOR SURFACE TREATMENT

**Glass beads** or glass pearls are manufactured in a special process from lead-free, soda lime-type glass, containing no free silica and are, depending on the bead size, classified to different categories. The size unit for glass beads is micron, where different fractions are divided in zone areas, used for different areas of use. Glass beads are, because of its material - glass - very environmentally friendly and are manufactured in accordance with the strict American MIL (military) specifications.

They are used mainly for blasting stainless steel products of different shapes, weldings, castings, engine parts, for decorative blasting and similar. By blasting stainless steel parts with glass beads, we eliminate expensive grinding, brushing and polishing, especially on areas hard to reach.

**Glass beads** are also very useful for blasting of parts made from non-ferrous metals, especially aluminium, because they don't leave any traces on the surface.

Surfaces, blasted with glass beads are very suitable for cleaning, because the surface is smoothly peened and contains no cracks in its crystal structure. This also results in slight hardening of the surface and improved resistance to wear.

Because of its ecological integrity they can be used as cleaning/blasting media in food, pharmaceutical and wine industry, where only quality certified glass beads can be used.

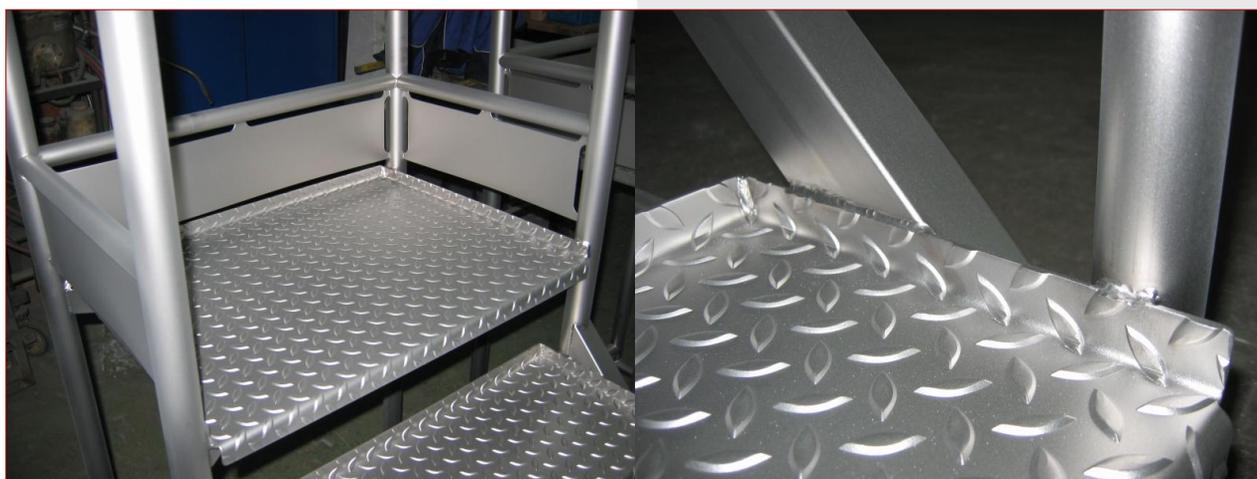
**Glass beads** are suitable for both, injector and pressure sandblasting, and a filter-recycling unit is recommended, which separates dust from glass beads and maintains constant bead size in the system. By that, we achieve a minimum quantity of loss of glass beads in the system and a constant surface treatment throughout the whole treatment process. Glass beads can be recycled approximately 30 times.



**Glass beads** are supplied in different bead sizes:

	Bead size in microns:	Bead size in mm:
<b>Glass beads from 1 to 50</b>	1 - 50	0,01 - 0,05
<b>Glass beads from 40 to 70</b>	40 - 70	0,04 - 0,07
<b>Glass beads from 70 to 110</b>	70 - 110	0,07 - 0,11
<b>Glass beads from 90 to 150</b>	90 - 150	0,90 - 0,15
<b>Glass beads from 100 to 200</b>	100 - 200	0,10 - 0,20
<b>Glass beads from 150 to 250</b>	150 - 250	0,15 - 0,25
<b>Glass beads from 200 to 300</b>	200 - 300	0,20 - 0,30
<b>Glass beads from 200 to 400</b>	200 - 400	0,20 - 0,40
<b>Glass beads from 300 to 400</b>	300 - 400	0,30 - 0,40
<b>Glass beads from 400 to 600</b>	400 - 600	0,40 - 0,60

Example of blasted stainless steel construction:



Example of cleaned mould:



Glass beads are supplied in 25-kilogram plastificated bags.