

Glass Service by P+S Technik

Surface polishing

Damaged surface coating can be perfectly restored. This damage may have been caused when cleaning the lenses. Polishing is performed with special tools for each particular radius.

# 29824 – polishing of spherical lens, diam. < 60mm	€ 120,00
# 29825 – polishing of spherical lens, diam. > 60mm	€ 200,00
# 32593 – polishing of spherical lens, diam. > 100mm	€ 400,00

Grinding of glass

Damages of the surface itself (scratches) cannot be restored by polishing only. The surface needs to be grinded before polishing. Most precise grinding heads are used. After grinding a polishing process will be performed.

# 32594 – grinding of spherical lens, max diameter 100mm.....	€ 400,00
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Re-coating

After the glass is polished it will get the original coating. Lenses manufactured before 1970 typically had a single layer coating. Lenses manufactured later have multi-layer coating. Certainly the element can stay without coating (flare lens).

# 29826 – single/multi-layer coating for lens diam. < 60mm	€ 110,00
# 29827 – single/multi-layer coating for lens diam. > 60mm	€ 150,00
# 30189 – single/multi-layer coating for lens diam. > 100mm	€ 400,00

Glass cementing //spherical //

Cemented elements of optical systems get damaged as soon as the cement dissolves. This may be caused e.g. by fungal attack. The optical performance of such damaged lens groups is heavily affected. In such cases we need to disassemble the cemented element, remove the cement, clean, readjust and re-glue the parts and finally paint black the borders.

# 29828 – glass cementing of spherical lens, diam. < 60mm	€ 400,00
# 36350 – glass cementing of spherical lens, diam. > 60mm	€ 600,00

Decolorizing

Some vintage glasses have been used for decades and have a yellow tone – this comes from radioactive decay of Thorium glass. This glass was used by Cooke and other manufacturers till the 70's. We can decolorize these yellow glasses in many cases – from light yellow up to white again. This may not help forever, but for minimum 5 years before discoloration starts again. The price is for a single lens glass element. We can't guarantee a 100% positive result in all cases. Possible damage or even the loss of a lens element are not covered by P+S Technik.

# 29889 – Lens decolorizing.....	€ 300,00
(per glass element, dis-/reassembling of lens NOT included)	

Spare glass and iris elements

If the front or rear element is broken or can't be refurbished by grinding/polishing, we can offer spare glass elements for many vintage lenses. In many cases we can replace a broken iris. Options and prices on request.

IMPORTANT NOTE:

The prices mentioned above are to be understood per surface of the lens. In most cases only one side of your lens will need repair.

Disassembling and reassembling of the lens is not included in the above prices.