

Lifestyle + Fashion 16-Oct-2017

Super thin, super lightweight, superb vision

Centre thickness optimisation makes spectacle lenses even better: See better and look better

People who are in the market for a new pair of spectacles expect more than just stylish flair - above all, they expect the greatest wearing comfort. > [Plastic glasses](#) are the reason why modern optometry lenses weigh barely anything. They no longer leave behind annoying indentations on the nose. Users do not have to put up with painful headaches caused by heavy spectacles anymore – thanks to properly adjusted spectacles. The latest developments deliver even more good news: Thanks to centre thickness optimisation, even thinner spectacle lenses are now available and there is no need to compromise on quality.

Spectacle lenses as thick as glass blocks – fortunately, those times are long gone. Progress is also remarkable in the field of optics thanks to a computer-assisted process called OPTIMA. This process makes it possible to reduce the visible edge and centre thickness of spectacle lenses to a technically feasible minimum.

The great news: With **OPTIMA** spectacle lenses can often be made much thinner because they are precisely calculated to the shape of the selected spectacle frame.

The key benefit of centre thickness optimisation: The spectacle lens is ground thinner over the entire rear surface. Of course this is done without any modification of the dioptric or prismatic effect. Such lenses differ from traditional spectacle lenses in important area: Instead of being manufactured round like a tube, they are approximated to the shape of the final spectacle lens. This makes it possible to grind the lenses as thick or as thin as needed for glazing.

The following factors play an important role:

- Shape and size of the spectacle lens
- Type of glazing for full frame, nylon or frameless spectacles
- Centring data

- Spectacle lens material
- Dioptric and prismatic effect
- Type of spectacle lens (single vision, bifocal, trifocal or progressive lens)

OPTIMA is therefore a great solution if a thickness reduction of at least 0.5 mm is reached with the frame and centring data provided. For each OPTIMA order, the OPTIMA customer service first determines whether this objective can be attained.

Slim and light spectacle lenses

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- [Dropdown](#)
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0%	1.5
0%	1.5
20%	1.6
20%	1.6
35%	1.7
40%	1.67
40%	1.9
50%	1.74

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