



Aspheric semi finished available in a wide range.

Among the organic resin lenses, the lenses of aspherical geometry have gradually encroached on the market at the expense of the lenses of spherical geometry.

This has happened thanks of their lower weight, reduced thickness and to their high optical quality, which permits the reduction of various aberrations, including field curvature, astigmatism by oblique beams and the longitudinal spherical aberration.

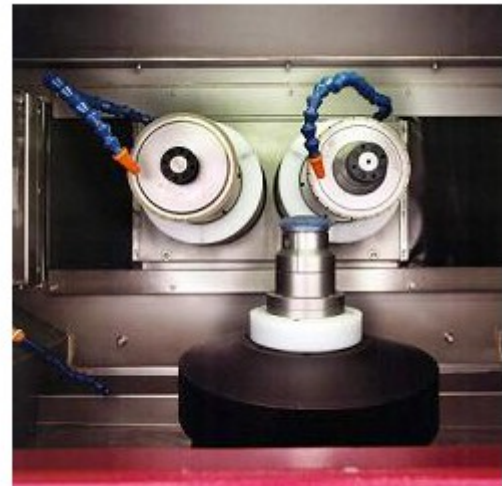
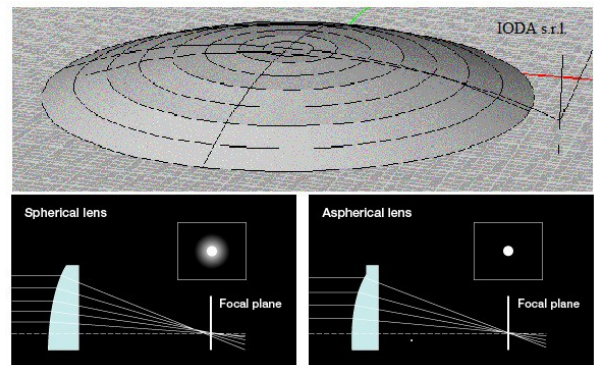
IODA makes at it's production site, aspheric glass moulds with which it creates finished and semi finished lenses.

With the cooperation of the University of Padova, IODA has created a new software called "Ray Tracking" which permits to calculate with great precision the vision ray and therefore calculate the ideal aspheric correction so as to reduce to a minimum the above mentioned aberrations in every part of the lens.

The hyperbolic curve of IODA's lenses allows to produce elegant and refined glasses, even with lenses of significant power increasing at the same time the comfort for the wearer.

The production of semi-finished are available from base 2 to base 12, and in following materials:

- Light (Cr39) $n=1,498$, $abbe=58$, $\gamma=1,19$*
- MIR (Medium index) $n=1,546$, $abbe=44$, $\gamma=1,16$*
- MR8 (High Index) $n=1,597$, $abbe=41$, $\gamma=1,30$*
- IODACHROME $n=1,546$, $abbe=42$, $\gamma=1,19$*



Aspheric n=1,498, abbe=58, $\gamma=1,19$

Nominal Base	Radius Convex (mm)	True Base	Edge thickness (mm)	Avaiability diameter	Range
2	251,40	1,90	14	70 / 75	-2,75 / -4,75
3	183,20	2,72	14	70 / 75	-0,25 / -2,50
4	129,90	3,83	12	70 / 75	0 / +3,25
5	103,30	4,82	8	65 / 70 / 75	+3,50 / +4,25
6	85,50	5,82	8	65 / 70 / 75	+4,50 / +5,25
7	73,70	6,76	8	65 / 70 / 75	+5,50 / +6,25
8	64,70	7,70	8	65 / 70	+6,50 / +7,50
9	57,00	8,74	8	65 / 70	+7,75 / +8,50
10	52,00	9,57	8	65	+8,75 / +9,50
11	48,30	10,32	8	65	+9,75 / +10,50
12	44,60	11,17	8	65	+10,75 / +12,00

*Aspheric **MR8** (High Index) n=1,597 , abbe=41 , $\gamma=1,30$*

Nominal Base	Radius Convex (mm)	True Base	Edge thickness (mm)	Avaiability diameter	Range
2	251,40	2,37	14	70 / 75	-2,75 / -4,75
3	183,20	3,26	14	70 / 75	-0,25 / -2,50
4	129,90	4,59	12	70 / 75	0 / +4,25
5	103,30	5,78	8	65 / 70 / 75	+5,50 / +5,50
6	85,50	6,98	8	65 / 70 / 75	+5,75 / +6,75
7	73,70	8,10	8	65 / 70 / 75	+5,50 / +8,00
8	64,70	9,22	8	65 / 70	+8,25 / +9,00
9	57,00	10,47	8	65 / 70	+9,25 / +10,25
10	52,00	11,48	8	65	+8,75 / +11,25
11	48,30	12,36	8	65	+11,50 / +12,25
12	44,60	13,38	8	65	+12,50 / +13,25

N.B. In each mould we write the base and progressive number, we guarantee traceability of our production, we use the same class moulds for all the hard resin types therefore the Nominal base can be different from real base.

Soon it will be available the new Titanium aspheric semi finished

As all IODA 's production, also aspherical semi-finished are produced in Padua, by specialized technicians who follow all the production steps, including 100% control (we check every lens one by one).

for any other information you can contact me directly by mail at :

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