

Block-free lens support for lenses surfacing

Abstract

5 The invention relates to a lens supporting part (100) for supporting a lens (L) in a surface
machining process, in which one (L1) of two opposite side surfaces (L1, L2) of the lens (L)
is processed. The lens supporting part (100) comprises a plurality of support elements
(110) that are relatively moveable with respect to each other and that together form a lens
10 seat (120) with a curvature for supporting the lens (L) on its other side surface (L2)
against forces generated in the surface machining process. The lens supporting part (100)
comprises an adjustment mechanism (130) for displacing during processing at least some
of the support elements (110) relatively to each other to adjust the curvature of the lens
seat (120) to a defined curvature independently from a lens (L) being seated on the
support elements (110). The invention is also directed to a system (500) and a method for
15 surface processing at least one of the side surfaces (L1, L2) of a lens (L) that utilize the
lens supporting part (100) of the invention, respectively.

[Figure 3]

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