Abstract

An automated production line for the production of ophthalmic lenses comprises:

- a production line front end comprising:
    - a first and a second injection-molding machine,
    - a casting module,
    - a filling station and a capping station,
    - a stacking module and a curing module,
    - a destacking module and a demolding and delensing module
- a production line back end comprising:
- a treatment module,
- an inspection module,

wherein self-driving shuttles in the inspection module can form a queue and act as a buffer for the primary packaging module if an interruption of the primary packaging module and variations of the cycle time in the primary packaging module are buffered so that the extraction module is able to operate largely independently from the upstream and downstream components of the manufacturing line.

FIG. 1