CLAIMS

1. A module (300) for processing an optical device, wherein the optical device comprises or consists of a waveguide (10), wherein the module (300) comprises:

a transport device (302), wherein the transport device (302) extends along a transportation direction (304) from a front end (320) to an opposing terminal end (322), wherein the transport device (302) is configured to move the optical device along the transportation direction (304) from the front end (320) to the terminal end (322) via an intermediate position (324),

a first manufacturing unit (310) configured to act on the optical device,

a second manufacturing unit (312) configured to act on the optical device, and

a positioning apparatus (302) arranged and configured to take the optical device from the transport device (302), when the optical device is at the intermediate position (324), and to supply the optical device to the first manufacturing unit (310).

2. The module (300) according to claim 1, wherein the transport device (302) comprises a linear section and/or a curved section, wherein the linear section and/or the curved section are arranged and configured such that the front end (320) and the terminal end (322) are arranged spaced apart from each other.

3. The module (300) according to claim 1, wherein the transport device (302) comprises at least one of: a conveyor, a rail system, a shuttle system, a linear actuator, and a rotary actuator.

4. The module (300) according to claim 1, wherein the module (300) comprises a rotary table (306), wherein the rotary table (306) is arranged and configured such that the rotary

table (306) is accessible by the positioning apparatus (308), the first manufacturing unit (310) and/or the second manufacturing unit (312).

5. The module (300) according to claim 4, wherein the rotary table (306) comprises a receptacle (338, 339) for receiving the optical device, wherein the rotary table (306) is configured to arrange the receptacle (338, 339) in a first position (330) and in a second position (332), wherein in the first position (330), the receptacle (338, 339) is accessible by the first manufacturing unit (310), and wherein in the second position (332), the receptacle (338, 339) is accessible by the second manufacturing unit (312).

6. The module (300) according to claim 5, wherein the rotary table (306) is configured to move the receptacle (338, 339) between an exchange position (336), the first position (330) and the second position (332).

7. The module (300) according to claim 5, wherein the module (300) is configured such that in the exchange position (336), the receptacle (338, 339) is accessible by the positioning apparatus (308) to supply the optical device to the receptacle (338, 339), and/or to remove the optical device from the receptacle (338, 339),

and/or wherein the module (300) is configured such that in the first position (330), the receptacle (338, 339) is accessible by the positioning apparatus (308) to supply the optical device to the receptacle (338, 339), and/or to remove the optical device from the receptacle (338, 339).

8. The module (300) according to claim 4, wherein the rotary table (306) is arranged and configured to move the receptacle (338, 339) into a third position (334), wherein in the third position (334), the receptacle (338, 339) is accessible by a third manufacturing unit (314).

9. The module (300) according to claim 1, wherein the first manufacturing unit (310), the second manufacturing unit (312) and/or the third manufacturing unit (314) is one of:

- an optical inspection device configured for the optical inspection of the optical device and/or for quality control,

- an optical alignment device configured to determine a position of the optical device and/or an orientation of the optical device,

- a processing device configured for processing the optical device,

- a binning device configured for classification of the optical device,

- a stacking device configured for generating a stack (200) of the waveguide (10) and a further waveguide (10) and/or a stack (200) of the waveguide (10) and a cover glass (202a, 202b),

- an edge-blackening device configured for blackening an edge of the waveguide (10) and/or an edge of the optical device,

- a UV-activation device,

- a framing device configured for assembling the waveguide (10) and a frame,

- a frame-gluing device configured for bonding the waveguide (10) and a frame together,

- a pre-curing device configured for hardening the stack (200) of the waveguide (10) and the further waveguide (10) and/or the stack (200) of the waveguide (10) and the cover glass (200), and

- a curing device configured for hardening the optical device.

10. The module (300) according to claim 4, wherein the module (300) is configured for the simultaneous processing of the optical device by the first manufacturing unit (310) and of a further optical device by the second manufacturing unit (312), when the optical

device is arranged in the first receptacle (338) and the further optical device is arranged in a second receptacle (339) of the rotary table (306).

11. A system (500) for processing of an optical device, wherein the optical device comprises or consists of a waveguide (10), wherein the system (500) comprises a first module (300') according to claim 1, and a second module (300'') according to claim 1,

wherein the first module (300') and the second module (300'') are arranged in sequence, wherein the terminal end (322') of the first module (300') is connected with the front end (320'') of the second module (300''), such that the system (500) is arranged and configured to move the optical device from the front end (320') of the first module (300') to the terminal end (322'') of the second module (300'') via the intermediate position (324') of the first module (300') and the intermediate position (324'') of the second module (300'').

12. The system (500) according to claim 11, wherein the second manufacturing unit (312') of the first module (300') is configured to perform a first processing process and the second manufacturing unit (312'') of the second module (300'') is configured to perform a second processing process differing from the first processing process.

13. The system (500) according to claim 11, wherein the system (500) comprises a sorter unit (372), wherein the sorter unit (372) is configured to sort the optical devices according to the optical inspection of the optical inspection device of the first module (300'), of the optical inspection device of the second module (300''), of the further optical inspection device of the first module (300') and/or of the further optical inspection device of the second module (300'').

14. A method for processing of an optical device, wherein the optical device comprises or consists of a waveguide (10), the method comprising:

- providing the optical device to a front end of a transport device (302),

- moving the optical device along a transportation direction (304) from the front end (320) to an intermediate position (324) by a transport device (302),

- taking the optical device from the transport device (302) using a positioning apparatus (308) and supplying the optical device to a first manufacturing unit (310),

- processing the optical device by the first manufacturing unit (310), generating a pre-processed optical device,

- processing the pre-processed optical device by the second manufacturing unit (312), generating a processed optical device,

- moving the processed optical device from the second manufacturing unit (312) to the transport device (302) using the positioning apparatus (308), and

- moving the processed optical device along the transportation direction (304) from the intermediate position (324) to a terminal end (322) using the transport device (302).

15. The method according to claim 14, wherein the method further comprises:

- moving the processed optical device from the terminal end to the front end of a transport device of a subsequent module and

- performing the method according to claim 14 on the processed optical device using the subsequent module to generate a further-processed optical device.