Continuous operation of a hybrid solid-liquid state reconfigurable photonic system without resupply of liquids

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Fig. S1. (a) Evanescent coupling when the pressure was 21kPa. (b) Evanescent coupling when the pressure was 14kPa. (c) Contact coupling when the pressure was 3kPa. The liquid waveguide contacted the solid waveguide resulting in no downstream flow of the left cladding stream.
Supplementary video information

Video legends

Video S1 : Demonstration of end-fire switching with 1s switching speed.
Video S2 : Whole chip view of end-fire switching with 3s switching speed.

Short descriptive titles

Video S1 : Optofluidic switching observed from inside the chip
Video S2 : Optofluidic switching observed from outside the chip

Keywords

Optofludics, Reconfigurable photonics, Microfluidics, Hybrid solid-liquid state optical coupling, and Optofluidic device without resupply of liquids.