

## Nanoimprint Silicon Molds for Evaluation

### Standard Nanoimprint Lithography Silicon Molds

We can offer standard mold sample at relatively low price.

Please use it for evaluation.

#### Specifications Overview

- Chip size : □ 1inch
- Pattern area : □ 18mm
- Substrate (Si) thickness : 725um



#### Standard mold sample : Line-up (Silicon mold)

| Pattern        |                     | Line & Space |       |        | Hole  |       | Pillar |
|----------------|---------------------|--------------|-------|--------|-------|-------|--------|
| Design value   | Pattern pitch width | 200nm        | 400nm | 1000nm | 300nm | 400nm | 400nm  |
|                | Pattern width       | 100nm        | 200nm | 500nm  | 150nm | 200nm | 200nm  |
| measured value | Top width           | 110nm        | 220nm | 510nm  | 195nm | 240nm | 141nm  |
|                | Bottom width        | 140nm        | 240nm | 540nm  | 164nm | 210nm | 178nm  |
|                | Pattern height      | 250nm        | 270nm | 270nm  | 260nm | 220nm | 230nm  |

#### Cross-section image of mold pattern

