

## 标准模板一

我们可提供纳米级微结构，衬底材料为硅单晶，广泛应用于科学研究。批量生产，质量有保证，且性价比高。

### 产品精度:

- 线宽/深度:  $\pm 15\%$
- 周期精度: 优于0.5%
- 衬底宽度和高度误差:  $\pm 0.2 \text{ mm}$
- 衬底厚度:  $0.675 \pm 0.050 \text{ mm}$

具体规格如下表所示:

### Linear Nanostamps (line+space) 光栅纳米结构模板 (线条+间距)

序号	周期	沟槽深度	占空比 1	线宽 2	样片尺寸 3
1	139 nm	50 nm	50%	69.5 nm	12.5×12.5×0.7 mm
2	139 nm	50 nm	50%	69.5 nm	25×25×0.7 mm 5
3	278 nm 4	110 nm	50%	139 nm	12.5×12.5×0.7 mm
4	416.6 nm	110 nm	50%	208 nm	12.5×12.5×0.7 mm
5	500 nm	multiple 6	44%	220 nm	8×8.3×0.7 mm
6	500 nm	multiple 6	60%	300 nm	8×8.3×0.7 mm
7	555.5 nm	110 nm	50%	278 nm	20×9×0.7 mm
8	555.5 nm	140 nm	50%	278 nm	20×9×0.7 mm
9	555.5 nm	110 nm	29%	158 nm	20×9×0.7 mm
10	555.5 nm	140 nm	29%	158 nm	20×9×0.7 mm
11	600 nm	multiple 6	43%	260 nm	8×8.3×0.7 mm
12	600 nm	multiple 6	55%	330 nm	8×8.3×0.7 mm
13	606 nm	190 nm	50%	303 nm	29×12×0.7 mm
14	606 nm 4	190 nm	50%	303 nm	29×12×0.7 mm
15	606 nm	190 nm	50%	303 nm	29×24.2×0.7 mm 5
16	675 nm	170 nm	32%	218 nm	24×10×0.7 mm
17	675 nm	170 nm	32%	218 nm	24×30.4×0.7 mm 5
18	700 nm	multiple 6	47%	330 nm	8×8.3×0.7 mm
19	700 nm	multiple 6	55%	375 nm	8×8.3×0.7 mm
20	833.3 nm	200 nm	50%	416 nm	12.5×12.5×0.7 mm

21	833.3 nm	200 nm	50%	416 nm	25x25x0.7 mm <b>5</b>
----	----------	--------	-----	--------	-----------------------

<sup>1</sup> 占空比表示线宽和周期的比率。

<sup>3</sup> 第二个尺寸相当于沟槽的长度。

<sup>4</sup> "scientific" grade offered at a discount. It has at least 80% of usable area. Up to 80/100 scratch/dig/particles and irregular substrate shape may present.

<sup>5</sup> 可定做更大尺寸

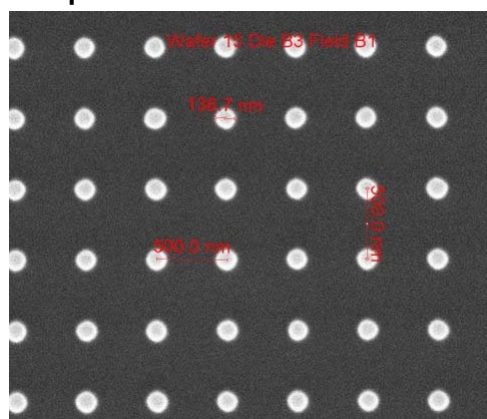
<sup>6</sup> 深度可做成 150, 250 and 350 nm。

## 2D nanostamps (rectangular and hexagonal lattice) 二维纳米模板 (矩形或六边形)

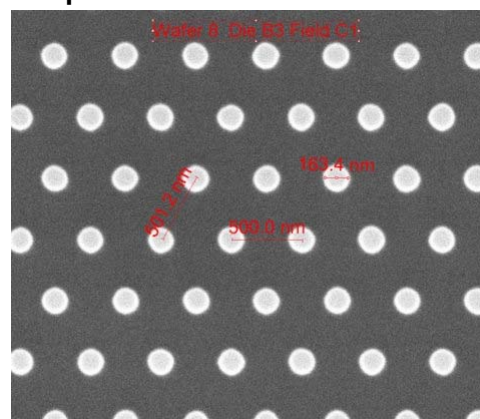
序号	周期	晶格类型	沟槽深度	特征宽度	衬底尺寸
1	500 nm	rect post	multiple 1	135 nm	8x8.3x0.7 mm
2	500 nm	rect post	multiple 1	210 nm	8x8.3x0.7mm
3	600 nm	rect post	multiple 1	195 nm	8x8.3x0.7mm
4	600 nm	rect post	multiple 1	275 nm	8x8.3x0.7mm
5	700 nm	rect post	multiple 1	260 nm	8x8.3x0.7mm
6	700 nm	rect post	multiple 1	350 nm	8x8.3x0.7mm
7	500 nm	hex post	multiple 1	165 nm	8x8.3x0.7mm
8	600 nm	hex post	multiple 1	165 nm	8x8.3x0.7mm
9	600 nm	hex post	multiple 1	240 nm	8x8.3x0.7mm
10	700 nm	hex post	multiple 1	220 nm	8x8.3x0.7mm
11	700 nm	hex post	multiple 1	290 nm	8x8.3x0.7mm
12	600 nm	hex hole	multiple 1	180 nm	8x8.3x0.7mm
13	700 nm	hex hole	multiple 1	200 nm	8x8.3x0.7mm
14	700 nm	hex hole	multiple 1	290 nm	8x8.3x0.7mm

<sup>1</sup> 深度可做成 150, 250 and 350 nm

rect post:



hex post:



hex hole

**GERMAN** **TECH**

Tel /电话: 010-82867920/21/22

Fax/传真: 010-82867919

Email : contact@germantech.com.cn

Website : www.germantech.com.cn

北京汇德信科技有限公司

