

Bare Silicon

Indexed Silicon Chips

Sindex™ Chips

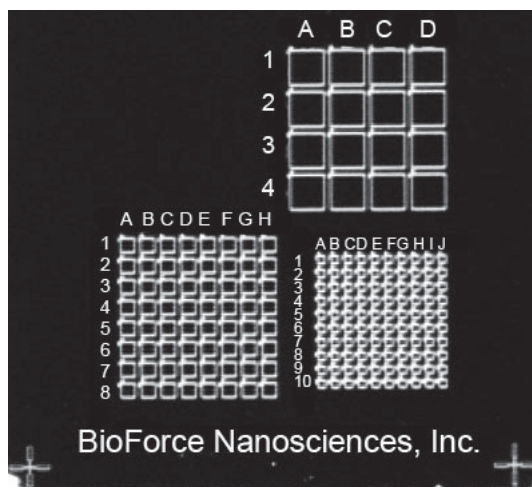
The Sindex™ chip is a 4x4 mm silicon substrate containing topographically defined pads that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.

Specifications:



Surface Functionality	Silicon (Si)
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	0.2 nm

Silicon wafers are P type boron doped wafers with a resistivity of 10 to 20 Ohm/cm².

Price List:

Set of 10 Sindex™ chips - \$100 + shipping and handling
AFM Certification - \$50.00

Bare Silicon Oxide

Indexed Silicon Oxide Chips

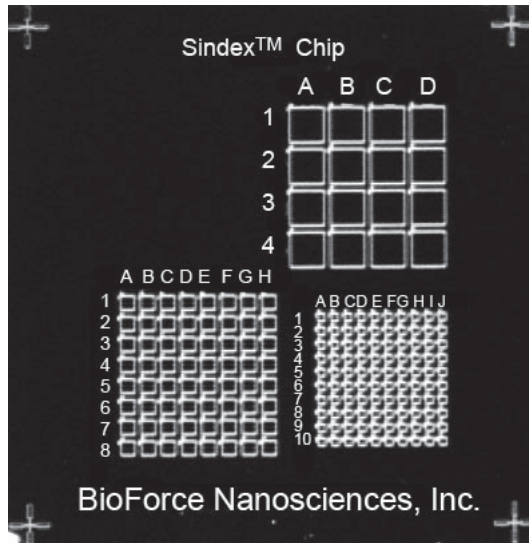
Sindex™ Chips

The Sindex™ chip is a 4x4 mm silicon substrate with a 2 μm oxide layer grown on a topographically defined pad that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.



Specifications:

Surface Functionality	Silicon oxide (SiO)
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	<0.9 nm

Price List:

Set of 10 Sindex™ chips - \$100 + shipping and handling
AFM Certification - \$50.00

Metal Coated

Indexed Silicon Chips

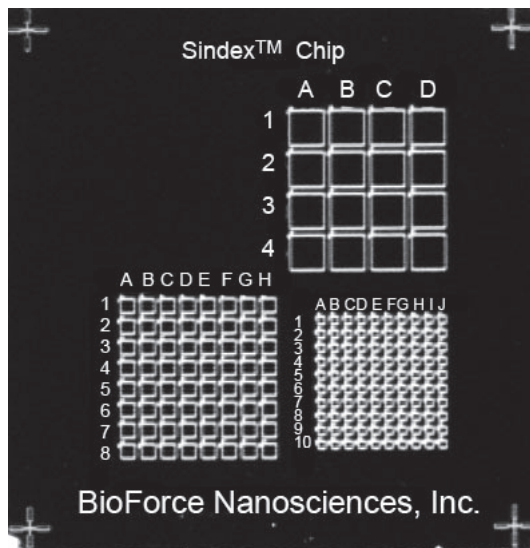
Sindex™ Chips

The Sindex™ chip is a 4x4 mm silicon substrate containing topographically defined pads that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm. The chips are coated with 10 nm of titanium and 20 nm of gold, silver, platinum, titanium, or nickel before being functionalized.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.



Specifications:

Surface Functionality	Choice of the Following: Gold, silver, platinum, titanium, and nickel
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	<0.9 nm

Metal Coatings Available:

Gold (Au)
Silver (Ag)
Platinum (Pt)
Titanium (Ti)
Nickel (Ni)

Price List:

20 Sindex™ chips - \$300 + shipping and handling
50 Sindex™ chips - \$600 + shipping and handling
AFM Certification for 20 chips - \$100.00
AFM Certification for 50 chips - \$250.00

Metal Coated

Indexed Silicon Oxide Chips

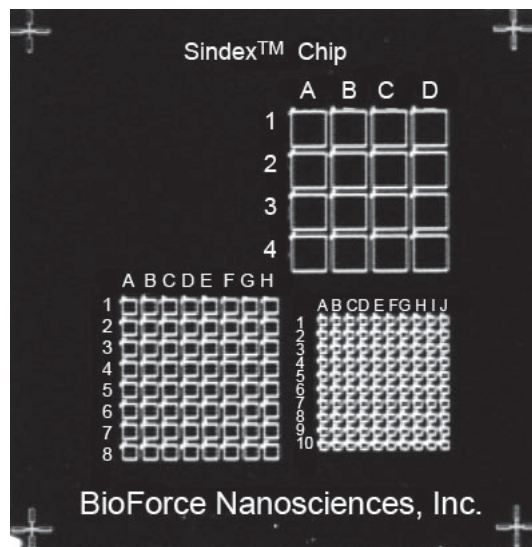
Sindex™ Chips

The Sindex™ chip is a 4x4 mm silicon substrate with 2 μm of silicon oxide grown on a topographically defined pad that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm. The chips are coated with 10 nm of titanium and 20 nm of gold, silver, platinum, titanium, or nickel before being functionalized.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.



Specifications:

Surface Functionality	Choice of the Following: Gold, silver, platinum, titanium, and nickel
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	<0.9 nm

Metal Coatings Available:

Gold (Au)
Silver (Ag)
Platinum (Pt)
Titanium (Ti)
Nickel (Ni)

Price List:

20 Sindex™ chips - \$300 + shipping and handling
50 Sindex™ chips - \$600 + shipping and handling
AFM Certification for 20 chips - \$100.00
AFM Certification for 50 chips - \$250.00

Chemically Treated

Indexed Silicon Chips

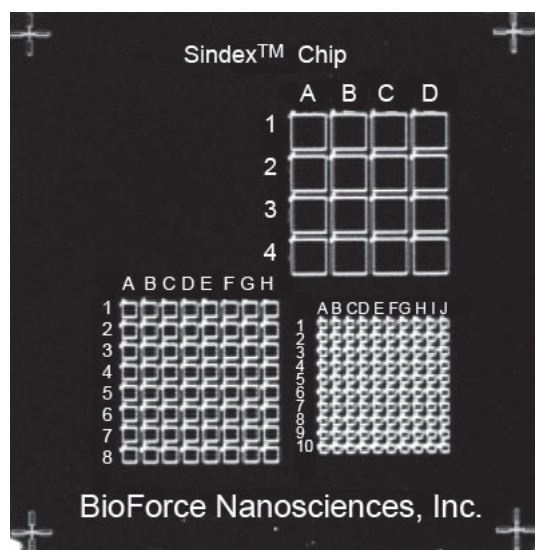
Sindex™ Chips

The Sindex™ chip is a 4x4 mm silicon substrate containing topographically defined pads that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm. The chips are coated with 5 nm of titanium and 15 nm of gold before being functionalized.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.



Specifications:

Surface Functionality	Choice of the Following: Carboxyl (COOH), hydroxyl (OH), methyl (CH ₃), or Prolinker
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	<0.9 nm

Chemical Treatment Available:

Carboxyl (COOH)
Hydroxyl (OH)
Methyl (CH₃)
Prolinker

Price List:

20 Sindex™ chips - \$450 + shipping and handling
50 Sindex™ chips - \$800 + shipping and handling
AFM Certification for 20 chips - \$100.00
AFM Certification for 50 chips - \$250.00

Chemically Treated

Indexed Silicon Oxide Chips

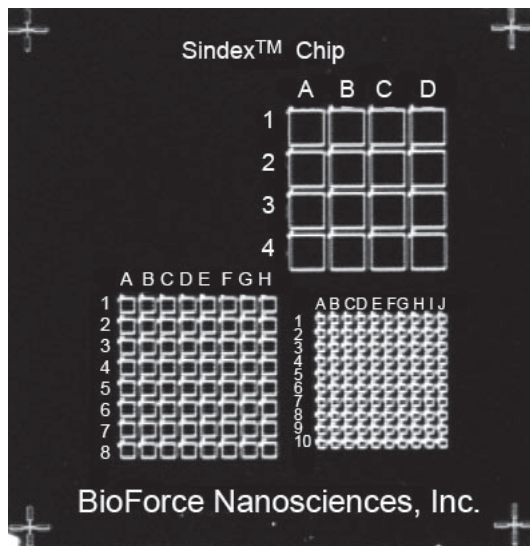
Sindex™ Chips

The Sindex™ chip is a 4x4 mm silicon substrate with 2 μm of silicon oxide grown on a topographically defined pad that are arrayed within an alphanumeric indexing system. The pads are flat and smooth, making them ideal for fluorescence microscopy and atomic force microscopy. The indexing system allows precise relocation of specific positions on the chip. There are three patterned regions on each chip: 50 μm, 100 μm, and 200 μm. The chips are coated with 5 nm of titanium and 15 nm of gold before being functionalized.

Sindex™ chips are offered in two grades:

AFM grade—one out of every 10 chips will be imaged by AFM to ensure that they meet the roughness specification and no particles are larger than 20 nm.

Optical grade—one out of every 10 chips inspected by optics and no particles present are larger than 1 μm.



Specifications:

Surface Functionality	Choice of the Following: Carboxyl (COOH), hydroxyl (OH), methyl (CH ₃), or Prolinker
Grid Type	50 μm, 100 μm, and 200 μm square
Array No.	100 (10x10), 64 (8 x8), and 16 (4x4)
Chip size	4x4 mm 480 μm thick
Spacing	20 μm
Etch Depth	1 μm
Coating	None
Chemistry	None
RMS Roughness	<0.9 nm

Chemical Treatment Available:

Carboxyl (COOH)
Hydroxyl (OH)
Methyl (CH₃)
Prolinker

Price List:

20 Sindex™ chips - \$450 + shipping and handling
50 Sindex™ chips - \$800 + shipping and handling
AFM Certification for 20 chips - \$100.00
AFM Certification for 50 chips - \$250.00