

## Silicon Wafers

2 inch p-type test wafers

2 inch n-type wafers



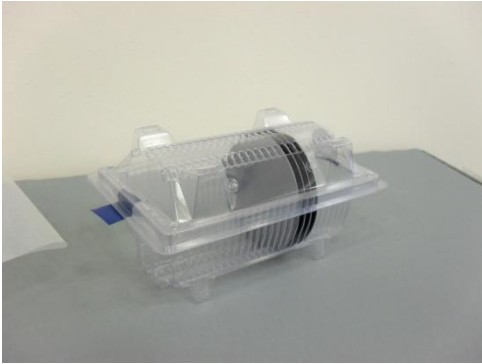
### Specifications

Material: CZ Silicon  
Front side Finish: Polished  
Back side Finish: Etched  
Primary Flat: Semi  
Resistivity: min:1 to max:10 Ohm/cm  
N-Type Item# 708-078  
Dopant: Ph Thickness: 254-304  $\mu\text{m}$   
Typical Thickness: 275  $\mu\text{m}$   
P-Type Item# 808-003  
Dopant: B Thickness: 254-305  $\mu\text{m}$   
Typical Thickness: 275  $\mu\text{m}$

MFR: Silicon Quest Int'l

3 inch n-type test wafers

3 inch p-type test wafers



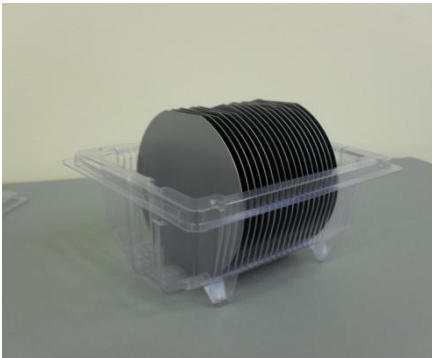
### Specifications

Material: CZ Silicon  
Front side Finish: Polished  
Primary Flat: Semi  
Resistivity: min:1 to max: 10 Ohm/cm  
N-Type Item# 720-030  
Dopant: P Thickness: 356-406  $\mu\text{m}$   
Typical Thickness: 375  $\mu\text{m}$   
Back side Finish: Caustic Etched  
P-Type Item# 720-039  
Dopant: B Thickness: 330-432  $\mu\text{m}$   
Typical Thickness: 375  $\mu\text{m}$   
Back side Finish: Etched

MFR: Silicon Quest Int'l

4 inch n-type test wafers

4 inch p-type test wafers



### Specifications

Material: CZ Silicon  
Front side Finish: Polished  
Back side Finish: Etched  
Primary Flat: Semi Secondary Flat: Yes  
Resistivity: min:1 to max:5 Ohm/cm  
N-Type Item# 2048  
Dopant: Ph Thickness: 475-575  $\mu\text{m}$   
Typical Thickness: 525  $\mu\text{m}$   
P-Type Item# 2046  
Dopant: B Thickness: 475-575  $\mu\text{m}$   
Typical Thickness: 525  $\mu\text{m}$

MFR: Silicon Quest Int'l

## Sample Holders

Glass Slide Holder



### Specifications

Holds 2, 1"x3" glass slides (25mm x75mm)

Gel X0 Clear Hinged Box



### Specifications

Item# AD-22T-00-X0

Low retention level for highly polished surfaces

MFR: Gel-Pak

Gel X4 Clear Hinged Box



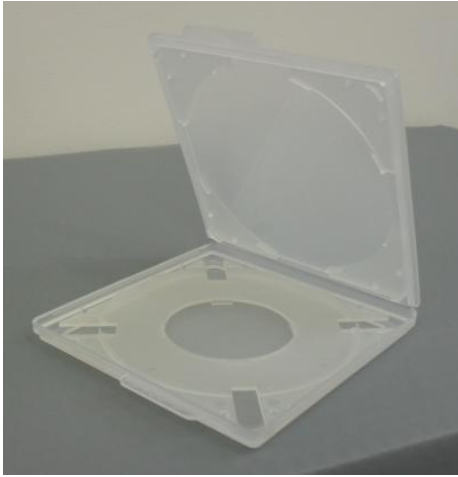
### Specifications

Item# AD-22T-00-X4

Medium retention level for pre-polished and/or etched surfaces

MFR: Gel-Pak

4 inch 100mm single wafer shipper

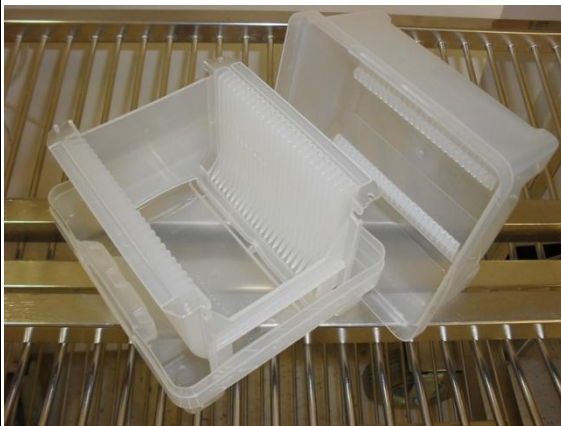


**Specifications**

Holds one 4" wafer

MFR: Pozzetta

Ultrapak Wafer Cassette and Box 100 mm

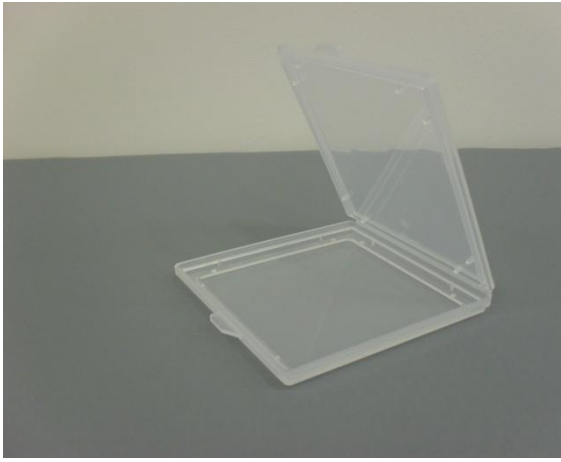


**Specifications**

Holds 25 4" Wafers

MFR: Pozzetta

Mask Package (Fluoroware) 4 inch



**Specifications**

H60 Series

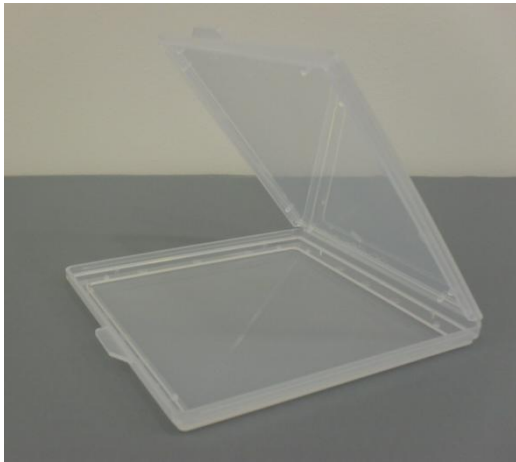
Natural polypropylene

Holds one mask

Item # H60-40-06-0615

MFR: Entegris Inc

Mask Package (Fluoroware) 5 inch



**Specifications**

H60 Series

Natural polypropylene

Holds one mask

Item # H60-50-0615

MFR: Entegris Inc

Mask Package (Fluoroware) 7 inch



**Specifications**

H60 Series

Holds one mask

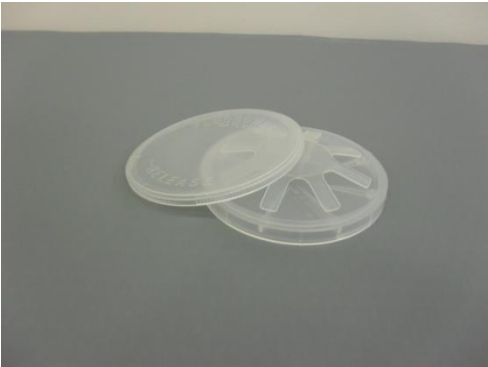
MFR: Entegris Inc

Tray & Cover (Fluoroware) 2 inch  
Spring (Fluoroware) 2 inch



**Specifications**  
H22 Series  
Natural polypropylene  
Holds one wafer  
Cover Part# H22-201-0615 Tray Part# H22-20-0615  
Spring Part# H22-202-0615  
MFR: Entegris Inc

Tray & Cover (Fluoroware) 3 inch  
Spring (Fluoroware) 3 inch



**Specifications**  
H22 Series  
Natural polypropylene  
Holds one wafer  
Cover Part# H22-301-0615 Tray Part# H22-30-0615  
Spring Part# H22-302-0615  
MFR: Entegris Inc

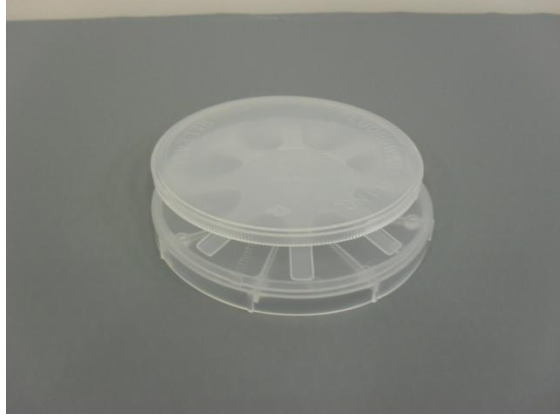
Tray & Cover (Fluoroware) 4 inch  
Spring (Fluoroware) 4 inch



**Specifications**  
H22 Series  
Natural polypropylene  
Holds one wafer  
Cover Part# H22-401-0615 Tray Part# H22-40-0615  
Spring Part# H22-402-0615  
MFR: Entegris Inc

Tran & Cover (Fluoroware) 6 inch

Spring (Fluoroware) 6 inch



**Specifications**

H22 Series  
Natural polypropylene  
Holds one wafer

Cover Part# H22-601-0615 Tray Part# H22-60-0615  
Spring Part# H22-602-0615

MFR: Entegris Inc

## Masks

Chrome Mask 3 inch 1500



### Specifications

3" x 3" x .060"  
Optical Density: 2.8 @ 530nm  
Reflectivity: 8% @450nm  
Grade: PG, Material: SL, Resist Thickness: 5300A  
  
Bake Time: 30min @ 103°C  
  
MFR: Telic

Chrome Mask 4 inch 1500



### Specifications

4" x 4" x .060"  
Optical Density: 2.8 @ 530nm  
Reflectivity: 8% @450nm  
Grade: PG, Material: SL, Resist Thickness: 5300A  
  
Resist Type: AZ 1500  
  
Bake Time: 30min @ 103°C  
  
MFR: Telic

Chrome Mask 5 inch AZ1500

Chrome Mask 5 inch 5206



### Specifications

5" x 5" x .090"  
Optical Density: 2.8 @ 530nm  
Reflectivity: 8% @450nm  
Grade: MG, Material: SL, Resist Thickness: 5300A  
  
Resist Type: AZ 1500  
  
Bake Time: 30min @ 103°C  
  
MFR: Telic

Chrome Mask 7 inch 1500

Chrome Mask 7 inch 5206



**Specifications**

7" x 7" x .120"

Optical Density: 2.8 @ 530nm

Reflectivity: 8% @450nm

Grade: MG, Material: SL, Resist Thickness: 5300A

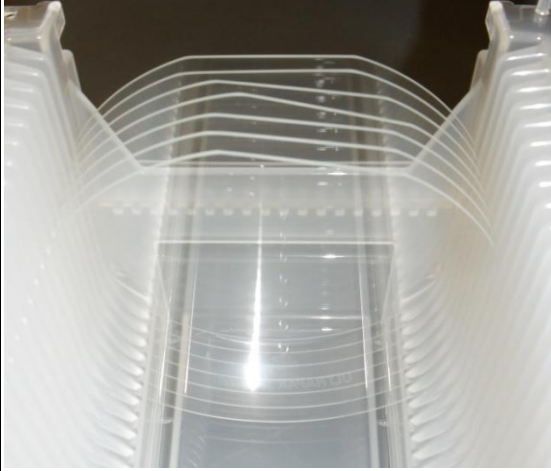
Bake Time: 30min @ 103°C

MFR: Telic



## Glass Substrates

### 4 inch Glass Wafers



### Specifications

Borosilicate glass (Pyrex or Borofloat)

Diameter:  $100 \pm 0.008$ "

Thickness:  $700 \pm 25\mu\text{m}$

Double side polish

Item # WF3937X02831193

Supplier: University Wafer

### Glass Slide



### Specifications

3" x 1" x 1mm

Plain, Water-white glass

Item # 12-544-1

Supplier: Fisher Scientific

## Evaporation Crucibles

Crucible, Poco Graphite



### Specifications

E-Beam 23 Crucible  
Total volume: 3.7 cc

Company: Poco Graphite

Crucible Liner, 7cc, intermetallic for Telemark



### Specifications

Volume: 7 cc  
Liner Volume: 3.7 cc  
1.125" TOD x 0.520" H x 0.093" W

Item # EVCEB-23

Company: Kurt J. Lesker Company

Crucible Liner, TLI Old Style



### Specifications

Volume: 1.5 cc  
Wall Angle: 30°  
Height: 0.32 in

Company: Thermionics

## Polishing Supplies

### SiC Film



### Specifications

Grit Size	Item #
30µm	50-20075
15µm	50-20080
9µm	50-20085
5µm	50-20090
1µm	50-20095

MFR: Allied High Tech Products Inc.

### Diamond Lapping Film



### Specifications

Grit size	Item #
30µm	50-30040
15µm	50-30045
9µm	50-30050
6µm	50-30055
3µm	50-30060
1µm	50-30065
0.5µm	50-30070
0.25µm	50-30073
0.1µm	50-30075

MFR: Allied High Tech Products Inc.

## Wafer Dicing

### Diamond-Tipped Scriber



### Specifications

Straight Tip  
6" overall length  
60° tip finish  
Item # 70031

MFR: Electron Microscopy Sciences

### 52mm Dicing saw blade



### Specifications

MFR: Disco

### 53mm Dicing saw blade



### Specifications

53mm x 0.045mm x 40mm

Item # NBC-Z 1050

Low Concentration, Grit-#2000, Standard Bond

MFR: Disco

53mm x 0.07mm Dicing saw blade



**Specifications**

53mm x 0.07mm x 40mm

Item # NBC-Z 1050

Low Concentration, Grit-#2000, Standard Bond

MFR: Disco

54mm Dicing saw blade



**Specifications**

56mm Dicing saw blade



**Specifications**

56mm x 0.15mm x 40mm

Item # B1A801 SD2000N75M42

Square shape blade, Standard accuracy, Synthetic diamond, #2000 grit, medium concentration

MFR: Disco

58mm Dicing saw blade



**Specifications**

58mm x 0.25mm x 40mm

Item # P1A850 SD320R10MB01

Square shape blade, synthetic diamond, #320 grit

MFR: Disco

## Tweezers

Tweezers: 91-4T



### Specifications

Stainless Steel  
Anti Magnetic  
Anti Acid  
Non Corrosive

125 mm

MFR: Vetus Tweezers  
Supplier: wafertweezers.com

Tweezers: 91-5T



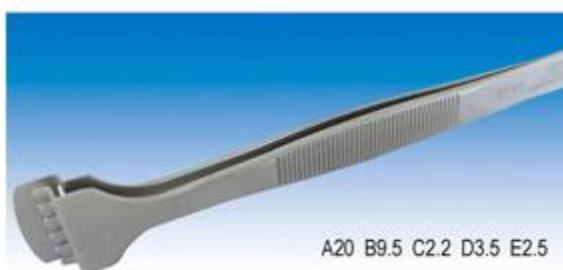
### Specifications

Stainless Steel  
Anti Magnetic  
Anti Acid  
Non Corrosive

140 mm

MFR: Vetus Tweezers  
Supplier: wafertweezers.com

Tweezers: 91-6T



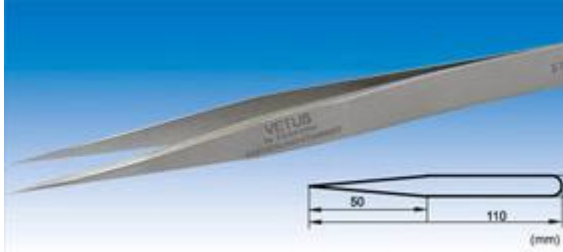
### Specifications

Stainless Steel  
Anti Magnetic  
Anti Acid  
Non Corrosive

130 mm

MFR: Vetus Tweezers  
Supplier: wafertweezers.com

Tweezers: Precision Fine Point



**Specifications**

Stainless Steel  
Anti Magnetic  
Anti Acid  
Non Corrosive

110 mm

MFR: Vetus Tweezers  
Supplier: wafertweezers.com

Tweezers: ECO-C3-SA



**Specifications**

Stainless Steel  
Anti Magnetic  
Lead Free

4-3/4" Length

Supplier: TDI International

Tweezers: 705 PD



**Specifications**

Molded Polymer  
Surface Resistivity  $1 \times 10^7 / 10^9$  Ohms/sq.  
Silicone / Chloride free  
Acetone / IPA Resistant  
Temperature Resistant 200°C

4-1/2" Length

Item # TDI 705PD

Supplier: TDI International



## Miscellaneous

250 mL Amber Bottle

125 mL Amber Bottle



### Specifications

VWR TraceClean Boston Round Bottles, Glass  
For light-sensitive compounds

Company: VWR

Gold Pellets (0.1 grams)



### Specifications

99.999 % Pure

Item# EVMAUXX50G

Supplier: Kurt J. Lesker Co.

Nanofab ID Card



### Specifications

Liquid Nitrogen per liter  
Liquid Nitrogen per liter, for Oxford

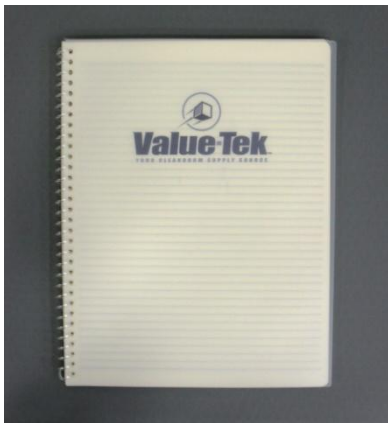


**Specifications**

Liquid N2

Supplier: General Stores

Notebook



**Specifications**

8.5inch x 11inch  
clean room paper

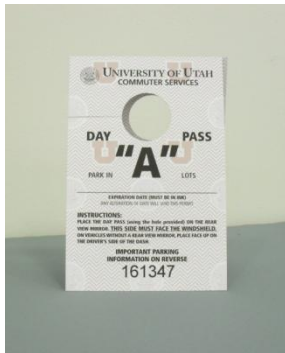
**Notebook**



**Specifications**

5.5inch x 8.5inch  
clean room paper

**Parking Permit**



**Specifications**

Day Pass

**Thermometer**



**Specifications**

Part# 15-160-22  
-20C to 150C

Supplier: Fisher Scientific

**Aluminum Foil**



**Specifications**

12 in x 200 ft

Item# 01-213-101

Supplier: Fisher Scientific

**Booties**



**Specifications**

Disposable

Item# CY-35-55

Supplier: Cleanroomworld.com

**Bouffant Caps**



**Specifications**

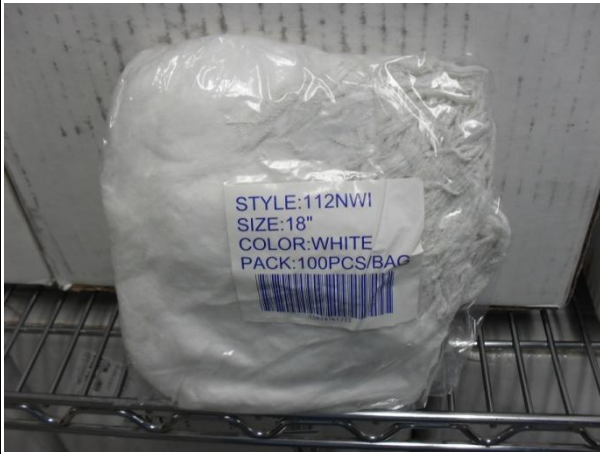
100/bag

21"

Item # WSS-NBC-210W

Supplier: Cleanroomworld.com

**Snoods**



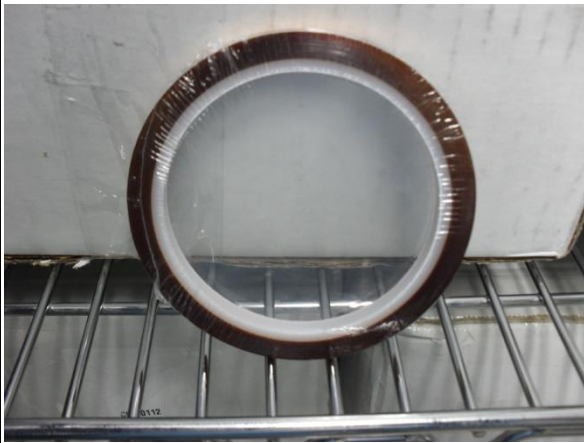
**Specifications**

100 per Pkg.

Item # CNT – BRD 0205

Supplier: Cleanroomworld.com

**Heat Resistant Kapton Tape**



**Specifications**

<u>Width</u>	<u>Item#</u>
0.25"	7648A36
0.375"	7648A37
0.5"	7648A32

36 yd length

Supplier: McMaster-Carr

**Kimwipes (small box)**



**Specifications**

280 Wipes

**Tek-wipes**



**Specifications**

12" x 12"  
150 per Pkg.

Item # TWTX612

Supplier: VWR

**Pipet (7.5 mL)**



**Specifications**

7.5 mL

Non-Sterile, Polyethylene

500 /Pkg

Item# 16001-188

Supplier: VWR