

# SVM



## Silicon Valley Microelectronics, Inc.

*"We have been very satisfied with SVM as our silicon wafer supplier and would highly recommend them to any company seeking a first class silicon wafer supplier capable of providing quality product, fast deliveries, and excellent customer service."*

**C.W., Shanghai, China**

*"SVM aligns perfectly with our operational priorities of quality, dependability, flexibility, and cost effectiveness."*

**R.S., Livermore, CA**

*"SVM consistently comes through with excellent products, competitive prices, and fast turn-around times."*

**R.R., Tempe, AZ**

**FREE  
Local Pick-Up  
& Same Day  
Delivery**

### SILICON WAFERS

Diameters: 50mm - 450mm

Grades:

- Epi
- Lithography
- Particle
- Furnace
- Test
- Mechanical
- Reclaim
- Handling

Float Zone (FZ)

Silicon on Insulator (SOI)

Silicon on Sapphire (SOS)

Double Side Polished

Ultra Flat

Thin Wafers

Thick Wafers

### CUSTOM FILM COATINGS

Thermal Oxide

CVD Oxide

Low k

Black Diamond®

Coral®

Spin On

Thick Oxide

Particle Sensitive Oxide

PETEOS

Low Particle Teos

Silicon Carbide (SiC)

BPSG, PSG, USG

Polysilicon

Amorphous Silicon

Photoresist

Oxy Nitride (SiON)

LPCVD Nitride

PECVD Nitride

Low Stress Nitride

Titanium Oxide

Metals:

PVD, CVD, Electroplated, Evaporated  
Al, AlCu, AlMg, AlSi, Al<sub>2</sub>O<sub>3</sub>, AlN, Ag,  
Al, AlN, C, Co, Cr, Cr<sub>2</sub>O<sub>3</sub>, CrSi, Cu,  
CuNi, CrMo, Fe, FeCo, Ge, GeSbTe,  
ITO, Mo, MoSi, Nb, Ni, NiCr, NiFe, NiP,  
NiV, Pd, Pt, Si, SiC, SiCr, S<sub>3</sub>N<sub>4</sub>, SiO<sub>2</sub>,  
Sn, Ta, Ta<sub>2</sub>O<sub>5</sub>, TaAl, TaN, Ti, TiN, TiW,  
TiNi, TiSi<sub>2</sub>, TiO<sub>2</sub>, W, WSi, WTi, Zr, ZrO<sub>2</sub>  
NiSi, Au, Ru, A-Si, WN, etc.

### CUSTOM WAFER PROCESSING

Dicing

Lapping

Grinding

Polishing

Thinning

Reclaim

Clean

Implant

Annealing

Wafer Downsizing

Lasermarking

Epitaxial Services

### Silicon Valley Microelectronics, Inc.

2985 Kifer Road, Santa Clara, CA 95051-0802, USA

main: 408 844 7100 fax: 408 844 9470

[www.svmi.com](http://www.svmi.com)

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## Silicon Valley Microelectronics, Inc.

*"Our relationship with SVM has been rewarding. Delivery time has never been an issue and they constantly look for ways to save us money."*

L.G., Adrian, MI

*"SVM has consistently maintained competitive pricing and delivery for high quality products."*

J.D., Newport, UK

*"We found SVM silicon wafers to be of an excellent quality."*

H.S., Itzehoe, Germany

*"Our relationship with SVM has been an asset to our company. SVM continually looks for ways to bring us a quality product at competitive prices, many times delivering in four hours or less."*

L.J., San Jose, CA

**Multi-million  
Dollar Silicon  
Wafer Inventory**

### LITHOGRAPHY SERVICES

Tool Types: Scanner, Stepper, Proximity Aligner

Technology Nodes: 65nm, 90nm, 130nm, 180nm, 250nm and larger

Resist: 193nm, 248nm (DUV), I-Line

Masks: "Off the shelf" and custom wafer patterns

Metrology: SEM, Cross Section, E-Test

SVM provides patterned wafers to the CMP, Etch, Clean and Device manufacturing markets

### WAFER RECLAIM / RECYCLING SERVICES

Full Wafer Reclaim

High Yields

Cost effective reclaim solutions tailored to customer requirements

Chemical Strip and clean

CMP & Kiss polishing

Custom Lasermarking

Particle, flatness, surface metals guarantee

Individual wafer data

Fully automated production line

### COMPANY OVERVIEW

Silicon Valley Microelectronics, founded in 1990, is the world's largest distributor of silicon wafers and services. SVM maintains an extensive inventory with a variety of specifications in all diameters, allowing local deliveries within 4 hours or less, anywhere in the U.S. within one day, and anywhere in the world within 3 days. SVM offers an array of wafer processes ranging from thermal oxide to lithography. Our wafer and process technology is the most state of the art technology available anywhere in the world. We are a truly global company catering to a wide range of customers throughout the United States, Europe and Asia. Our sales staff speaks a variety of languages including Mandarin, Cantonese, Korean, Spanish and French. SVM's goal is to consistently provide customers with extraordinary products and services, delivered on-time, at or below market price.

**Please feel free to contact us if what you are looking for is not on our line card.**

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