

### Step 13 – Sample Strategic Keywords for PPC SEM

Keyword for PPC	Cost / Comment
APCVD	Active \$0.40
"APCVD Epi"	Active \$0.40
AsH3 dopant species	Active \$0.30
Atmospheric pressure Epi	Active \$0.10
B2H6 dopant species	Active \$0.05
Carbide	Inactive for search <b>Too broad a term -Delete</b> Increase quality or bid \$1.00
"chemical vapor deposition"	Active \$2.17
<u>Add "clean room space" should be a \$.05</u>	
<u>Add "cleanroom space"</u>	
<u>Add "cleanroom services"</u>	
<u>Add "silicon valley clean room"</u>	
<u>Add "cleanroom rental"</u>	
<u>Add "cleanroom space for rent"</u>	
<u>Add "class one cleanroom rental"</u>	
<u>Add "class one clean room rental"</u>	
<u>Add "Class one clean room"</u>	
<u>Add "class one cleanroom"</u>	
<u>Add Clean room R&amp;D facility</u>	
<u>HAVE ALL THE ABOVE CLEAN ROOM TERMS LAND ON THE FACILITIES PAGE</u>	
<u>Add "Santa Clara Clean room"</u>	
<u>Add Santa Clara clean room"</u>	
"CVD engineering services"	Active \$0.20
CVD for Ceramics	Active \$0.05
"CVD for Ceramics"	Active \$0.20
CVD for Ceramics and Refractory Materials	Active \$0.05
"CVD for photovoltaics"	Active \$0.20
"CVD for Refractory Materials"	Active \$0.20
"CVD foundry"	Inactive for search <b>OK</b> Increase quality or bid \$0.50 to activate \$0.40
"CVD outsourcing"	Active \$0.20
"CVD rapid turnaround"	Active \$0.20
"CVD Si"	Inactive for search <b>OK</b> Increase quality or bid \$0.50 to activate \$0.40
"CVD Si for Quartz"	Active \$0.20
"CVD Si for SiC"	Active \$0.20
"CVD Si on Quartz"	Active \$0.20
"CVD Si on SiC"	Active \$0.20
CVD SiC	Active \$0.81
CVD Silicon	Active \$0.40
"CVD Silicon on Quartz"	Active \$0.20
"CVD Silicon on SiC"	Active \$0.20
"Deposition of Silicon"	Active \$0.50
Dual layer epi	Active \$0.05
Dual layer epitaxy	Active \$0.10
Epi Applications engineering services	Active \$0.10

"Epi deposition"	Active	\$0.50	
"Epi Deposition of Silicon"	Active	\$0.30	
Epi engineering services	Active	\$0.50	
Epi for bipolar power discrete	Active	\$0.05	
Epi for CCDs	Active	\$0.15	
Epi for CMOS	Active	\$0.10	
Epi for MOSFETs	Active	\$0.05	
"Epi foundry"	Inactive for search		
	Increase quality or bid \$0.50 to activate		\$0.40
epi metrology	Active	\$0.05	
"Epi metrology"	Active	\$0.20	
Epi metrology services	Active	\$0.05	
Epi on 100 wafers	Active	\$0.05	
Epi on 110 wafers	Active	\$0.05	
Epi on 111 wafers	Active	\$0.05	
Epi on bonded wafers	Active	\$0.05	
"Epi on buried layer"	Active	\$0.20	
Epi on sapphire	Active	\$0.40	
Epi on SiMOX	Active	\$0.05	
Epi outsourcing	Active	\$0.50	
epi processing	Inactive for search		
	Increase quality or bid \$0.50 to activate		\$0.40
Epi rapid turnaround	Active	\$0.05	
<u>Add the phrase "Epi Services" – should be a nickle CPC if you believe keywords tool</u>			
"Epi substrate"	Active	\$0.40	
epi wafer	Inactive for search		
	Increase quality or bid \$1.00 to activate		\$0.50
"Epi with SiH <sub>2</sub> Cl <sub>2</sub> "	Active	\$0.20	
"Epi with SiH <sub>4</sub> "	Active	\$0.20	
"Epi with SiHCl <sub>3</sub> "	Active	\$0.20	
"epitaxial"	Active	\$0.79	
Epitaxial Deposition	Active	\$0.50	
"epitaxial growth"	Active	\$0.72	
"epitaxial layer"	Active	\$1.33	
epitaxial processing	Active	\$0.50	
epitaxial services	Active	\$0.50	
Epitaxial Services with SiH <sub>2</sub> Cl <sub>2</sub>	Active	\$0.10	
Epitaxial Services with SiH <sub>4</sub>	Active	\$0.10	
Epitaxial Services with SiHCl <sub>3</sub>	Active	\$0.10	
"Epitaxial Si transistor"	Active	\$0.30	
epitaxial silicon	Active	\$0.50	
"epitaxial silicon transistor"	Active	\$0.50	
"epitaxy"	Inactive for search		
	Increase quality or bid \$5.00 to activate		\$1.14
epitaxy foundry	Inactive for search		
	Increase quality or bid \$1.00 to activate		\$0.50
"epitaxy growth"	Active	\$0.50	
Epitaxy on buried layer	Active	\$0.50	
"epitaxy process"	Inactive for search		

	Increase quality or bid \$1.00 to activate	\$0.50
<u>Add "Epitaxy services" should be a nickel CPC</u>		
fab equipment	Active	\$0.40
"High resistivity epi"	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
"IGBT"	Inactive for search <u>OK</u>	
	Increase quality or bid \$1.00 to activate	\$0.50
ion implant	Inactive for search <u>OK We'll refer these to Innovion</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
ISO 9001:200 Epi Services	Active	\$0.10
LPCVD	Inactive for search <u>OK</u>	
	Increase quality or bid \$1.00 to activate	\$0.50
"LPCVD Epi" Active		\$0.30
MOSFETS	Inactive for search <u>OK</u>	
	Increase quality or bid \$1.00 to activate	\$0.50
"Multilayer epi"	Active	\$0.50
"organometallic vapor phase epitaxy"	Active	\$1.00
P++ epi in SOI	Active	\$0.05
P++ in MEMS	Active	\$0.10
PH3 dopant species	Active	\$0.05
photovoltaics	Active	\$0.50
"Poly Si for Quartz"	Active	\$0.20
"Poly Si for SiC"	Active	\$0.20
"Poly Si on Quartz"	Active	\$0.20
"Poly Si on SiC"	Active	\$0.20
polysilicon	Active	\$0.50
"Rapid turnaround epi"	Active	\$0.20
Reduced Pressure Epi	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
Refractory Materials	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
"RPCVD"	Active	\$0.40
"RPCVD Epi"	Active	\$0.20
semiconductor equipment	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si BiCMOS Devices"	Active	\$0.30
"Si BiCMOS Epi"	Active	\$0.30
"Si Bipolar Devices"	Active	\$0.20
"Si Bipolar Epi"	Active	\$0.20
"Si CMOS Devices"	Active	\$0.20
"Si CMOS Epi"	Active	\$0.20
"Si Epi growth"	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si epi planar"	Active	\$0.20
"Si Epi Services"	Active	\$0.20
"Si Epi Specialists"	Active	\$0.20
"Si Epi wafer"	Inactive for search <u>OK</u>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si Epitaxial growth"	Active	\$0.50

"Si Epitaxial Services"	Active \$0.30	
"Si Epitaxial wafer"	Active \$0.50	
"Si epitaxy"	Inactive for search <b>OK</b>	
	Increase quality or bid \$1.00 to activate	\$0.50
Si on Carbon	Inactive for search <b>OK</b>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si on Insulator"	Inactive for search <b>OK</b>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si on Insulator epi"	Active \$0.20	
"Si on SiC"	Inactive for search <b>OK</b>	
	Increase quality or bid \$0.50 to activate	\$0.40
"Si Power Devices"	Inactive for search <b>OK</b>	
	Increase quality or bid \$0.50 to activate	\$0.40
silicon carbide	Active \$0.50	
"Silicon Epi Services"	Active \$0.20	
"Silicon Epi Wafers"	Active \$0.30	
"silicon epitaxial growth"	Active \$0.50	
"silicon epitaxial planar"	Active \$0.50	
"Silicon Epitaxial Services"	Active \$0.50	
"silicon epitaxial wafer"	Active \$0.40	
"Silicon Epitaxial Wafers"	Active \$0.40	
"Silicon epitaxy"	Active \$0.50	
Silicon epitaxy	Active \$0.50	
silicon epitaxy services	Active \$0.20	
"Silicon Epitaxy Specialists"	Active \$0.30	
Silicon Valley's largest Epi foundry	Active \$0.10	
silicon wafer	Active \$0.40	
Specialty Epitaxial Services	Active \$0.15	
specialty epitaxy	Active \$0.30	
"Specialty Si Epi Services"	Active \$0.20	
Specialty Silicon Deposition Services	Active \$0.15	
"Specialty Silicon Epitaxy"	Active \$0.30	
"Thick epi"	Active \$0.40	
"UHR epi"	Active \$0.20	
wafer fab	Active \$0.50	
wafer processing	Active \$0.50	