

INFORMATION FOR TAX ABATEMENT  
 Advanced Photonix, Inc.  
 Picometrix LLC  
 2925 Boardwalk  
 Ann Arbor, MI 48104

NEW MACHINERY AND EQUIPMENT  
 ACTUAL EXPENDITURES

Cap Ex#	Equipment	Project Date	Capital \$	Expense \$	Date Installed
FY11-002	<del>PICO 515 LCA Test Equipment (EQ 414)</del>	<del>06/29/10</del>	<del>14,249</del>	<del>14,249</del>	<del>06/29/10</del>
FY11-003	<del>PICO 515 MATTAB Conference Room Equipment</del>	<del>09/23/10</del>	<del>4,000</del>	<del>4,000</del>	<del>09/23/10</del>
FY11-026	<del>PICO 515 Computer Aided Machining (Newline-446)</del>	<del>10/11/10</del>	<del>1,321</del>	<del>1,321</del>	<del>10/11/10</del>
FY11-033	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-034	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-035	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-036	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-037	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-038	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-039	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-040	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-041	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-042	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-043	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-044	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-045	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-046	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-047	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-048	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-049	<del>PICO 515 PICO 515 Computer Aided Machining (Newline-446)</del>	<del>04/26/10</del>	<del>7,500</del>	<del>7,500</del>	<del>04/26/10</del>
FY11-050	PICO 515 Printer	11/30/10	2,105	2,105	Dec-10
FY11-051	PICO 500 (2) OptiPlex 980 Desktops	11/15/10	2,042	2,042	Jan-11
FY11-026	PICO 200-21 Pick & Place Machine #9	10/20/10	22,598	22,598	Jan-11
FY11-027	PICO 200-21 Pick & Place Machine #10	10/20/10	22,598	22,598	Jan-11
FY11-032	PICO 200-21 Test Cup 6" ID by 1" Depth	10/13/10	2,400	2,400	Jan-11
FY11-047	PICO 200-21 Polarization Controller	11/11/10	14,020	14,020	Jan-11
FY11-052	PICO 515/500 SolidWorks 2011 Network	12/02/10	7,950	7,950	Jan-11
FY11-053	PICO 200-21 Fusion Splicing	12/08/10	30,925	30,925	Jan-11
FY11-060	PICO 515 MatLAB License	01/18/11	5,100	5,100	Feb-11
FY11-018	PICO 200-21 Expand LCA #2 to Test 100G PT40D and PT40XLMD and BR-XX	09/02/10	45,000	45,000	Feb-11
FY11-030	PICO 200-21 Increase Bake Capacity of Oven #1	10/13/10	7,510	7,510	Feb-11
FY11-031	PICO 200-21 Increase Bake Capacity of Oven #2	10/13/10	7,510	7,510	Feb-11
FY11-054	PICO 500 Computer - New Hire	12/15/10	1,468	1,468	Feb-11
FY11-055	PICO 515 Computer - G. Fichter	12/15/10	1,468	1,468	Feb-11
FY11-057	PICO 200-21 Label Printer	01/07/11	2,050	2,050	Feb-11
FY11-061	PICO 515 PADS LS Suite - Floating License	01/08/11	7,066	7,066	Feb-11
FY11-064	PICO 515 CCD Camera Beam Profiler	01/18/11	3,785	3,785	Feb-11
FY11-070	PICO 515 Doc-O-Matic Software	01/24/11	1,059	1,059	Feb-11
FY11-028	PICO 200-21 Pick & Place Machine #11	10/20/10	22,598	22,598	Mar-11
FY11-043	PICO 200-21 Luna Box High Resolution OTDR	11/01/10	99,500	99,500	Mar-11
FY11-056	PICO 500 Computer - J. Brincat	12/28/10	1,468	1,468	Mar-11
FY11-062	PICO 515 Autocorrelator	01/18/11	10,250	10,250	Mar-11
FY11-063	PICO 515 USB Spectrometer	01/18/11	4,241	4,241	Mar-11
FY11-066	PICO 515 X, Y & Theta Motorized Stages	01/18/11	3,782	3,782	Mar-11
FY11-068	PICO 500 Pace Rework Station	01/21/11	4,656	4,656	Mar-11
FY11-069	PICO 500 Minitab 16 Software License	01/24/11	1,395	1,395	Mar-11
FY11-071	PICO 515 Computer - J. Savina	01/27/11	1,797	1,797	Mar-11
FY11-075	OPTO 250 Hazardous waste storage	02/09/11	1,655	1,655	Mar-11
FY11-079	PICO 515 Power Meters	02/19/11	2,750	2,750	Mar-11
FY11-034	PICO 200-21 Pick & Place Machine #12	10/20/10	22,598	22,598	Apr-11
FY11-074	PICO 200-21 Vacuum Pump	01/28/11	1,900	1,900	Apr-11
FY11-077	PICO 100 Computer - A. Metcalf	02/14/11	1,800	1,800	Apr-11
FY11-007	PICO 200-21 Gener8 - 100 G100 Project	05/05/10	150,607	150,607	May-11
FY11-016	PICO 200-21 BR Pigtail Station #3	09/02/10	34,398	34,398	Jun-11
FY11-017	PICO 200-21 BR Pigtail Station #4	09/02/10	34,398	34,398	Jun-11
FY11-019	PICO 200-21 Duplicate 100G Supporting Test Equip	10/13/10	21,567	21,567	Jun-11
FY11-021	PICO 200-21 Automate LCA #1, #2, & #3	10/06/10	2,323	2,323	Jun-11

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ACTUAL EXPENDITURES

Cap Ex #	PICO	Equipment	Project Date	Expense \$	Date Installed
FY11-022	PICO	200-21 50GHz LCA #3	10/08/10	154,933	Jul-11
FY11-023	PICO	200-21 Optical/Electrical 100G Assembly Station	10/19/10	4,507	Nov-11
FY11-035	PICO	200-21 Pick & Place Machine #13	10/20/10	22,598	Jul-11
FY11-036	PICO	200-21 Pick & Place Machine #14	10/20/10	22,598	Jul-11
FY11-037	PICO	200-21 Pick & Place Machine #15	10/20/10	22,598	Jul-11
FY11-042	PICO	200-21 Fiber Ferrulization Station #2	10/27/10	10,122	Jul-11
FY11-058	PICO	520 100G 3" Whole Wafer Fabrication	01/12/11	72,000	Jun-11
FY11-059	PICO	520 Electro-Plating/Via Development	01/14/11	4,000	Jun-11
FY11-065	PICO	515 105nm Light Source Bench Top	01/18/11	7,125	Jul-11
FY11-067	PICO	500 DBR Photodiode Attach Fixture	01/21/11	35,879	Jun-11
FY11-076	PICO	500 Thermo Jet Temperature Forcing System	02/11/11	10,100	Mar-11
FY11-078	PICO	515 Oscilloscope	02/16/11	4,690	Jun-11
FY11-081	PICO	200-21 Polarization Synthesizer	02/25/11	11,500	Apr-11
FY11-082	PICO	200-21 Die Sheer Testing, Wirebond Pull	03/01/11	44,415	Apr-11
FY11-083	PICO	200-21 BERT Replacement Unit	03/01/11	17,700	Apr-11
FY11-084	PICO	500 Die Sheer Testing, Wirebond Pull	03/01/11	4,840	Apr-11
FY11-085	PICO	500 HFSS & Designer SI Software	03/04/11	110,430	Jul-11
FY11-087	OPTO	520 CHA 1000 Evaporator	03/03/11	245,000	Jul-11
FY11-088	OPTO	250 Orotemp 24 RTU	03/11/11	19,044	Jun-11
FY11-089	OPTO	250 Laptop Computer - D. Herron	03/11/11	1,800	Apr-11
FY11-086	OPTO	250 Upgrade Sputtering System	03/03/11	49,000	Jun-11
				<b>1,740,376</b>	<b>40,364</b>

Actual Capital Exp thru April 2011 - Approved projects

FY 2012 PLANNED CAPITAL EXPENDITURES

PICO	200-22	Desk top & monitor (2)	Apr-11	1,200	Jun-11
PICO	200-22	Autocorrelator	Apr-11	10,250	Jun-11
PICO	200-22	Spectrometer	Apr-11	4,241	Jun-11
PICO	200-22	Laser Beam Profiler	Apr-11	3,785	Jun-11
PICO	200-22	Power meters	Apr-11	2,750	Jun-11
PICO	200-22	X, Y and theta motorized stages	Apr-11	3,782	Jun-11
PICO	200-22	Benchtop ASE source	Apr-11	7,100	Jun-11
PICO	200-22	Splicer	Apr-11	30,000	Jun-11
PICO	200-22	Digital Oscilloscope	Apr-11	6,000	Jun-11
PICO	200-22	Enigma	Apr-11	5,000	Jun-11
Misc Equip/Fixtures to support laser, T-Ray 5000 (new opto-mech subs), forecasted					
PICO	200-22	units	Various	26,000	Various
PICO	300	(2) Laptops	Apr-11	3,000	Jun-11
PICO	350	(2) Laptops & Printers	Apr-11	5,800	May-11
PICO	500	40G BERT System - enable 43Gb, 28Gb BERT Testing in Engr. (and perhaps limited production testing)	May-11	376,430	Jul-11
PICO	500	Cooler - dedicated cooling for MBE water temperature stability	May-11	10,000	Jul-11
PICO	500	high power IR source for precision solder rework and epoxy cure time reduction (greatly speeds up prototype rework)	May-11	16,000	Jul-11
PICO	500	calibrate and enhance bulb lifetime of (cure dedicated computer for photodiode aging system (with upgraded USB interface aging beds/boards)	May-11	3,500	Jul-11
PICO	500		May-11	1,500	Jul-11

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	500	Patrick Grant's computer needs upgrading with graphics to handle SolidWorks and Autocad simultaneously for drawing xfer, etc.	May-11	2,000		Jul-11
	500	dedicated wirebender for NP/Engineering use in Alpha/Beta/Sustaining activities	May-11	8,000		Jul-11
	500	Optical Systems simulation tool	May-11	52,000		Jul-11
	500	upgrade/replace Engineering machine shop milling machine	May-11	10,000		Jul-11
	500	upgrade ~4 systems expected in HSOR Engineering	May-11	16,000		Various
	500	MBE room Air Conditioning - dedicated to MBE room	May-11	12,000		Jul-11
	500	MBE High Cycle Shutters - In, Ga shutters	May-11	35,000		Mar-12
	500	MBE High Efficiency Arsenic source	May-11	43,100		Mar-12
	500	4-inch chuck to enable MBE to experimentally explore 4" wafer growth for higher volume	May-11	10,000		Nov-11
	500	MBE High Efficiency Phosphorous source	May-11	59,400		Mar-12
	500	RMBE RHEED gun phosphor screen	May-11	2,000		Jul-11
	515	Desk top and monitor	Apr-11	1,200		Jun-11
	515	Telecentric Scanner	Apr-11	7,500		Jun-11
	515	Telecentric Scanner - new configuration upon customer/market requirements	Sep-11	7,500		Nov-11
	515	Head (SB), umbilical, laptop and T-Ray 4000 without laser assembly. Stage 1	Apr-11	27,828		Jul-11
	515	Head (SB), umbilical, laptop and T-Ray 4000 without laser assembly. Stage 2	Jan-12	5,000		Feb-12
	515	Vertical Milling Machine	May-11	5,000		Jul-11
	700	1 Laptop - Cost Accountant	Aug-11	1,800		Sep-11
	750	New printer for AP Department - check printing	Apr-11	3,000		May-11
	760	ARB Switch Upgrades	Jul-11	15,750		Sep-11
	760	New Domain Controller	Jun-11	2,500		Aug-11
	760	MS License 'True Up'	Oct-11	21,183		Dec-11
	760	First VMWare Server + Software	Apr-11	15,048		Aug-11
	760	Laptop Upgrade	Nov-11	1,300		Dec-11
	760	New Hire Laptop	Jun-11	1,800		Jun-11
	760	Antivirus Software Renewal	Dec-11	3,000		Jan-12
	760	Wireless Network Upgrades	Oct-11	2,500		Nov-11
	760	Replacement Server for Camarillo	Feb-12	5,000		Mar-12
	760	Second VMWare Server	Jan-12	7,500		Feb-12
A2 WF	250	Evaporator and Associated equipment	May-11	21,500		Jul-11
A2 WF	250	CV/Prober System	May-11	28,000		Jul-11
		Planned Capital Expenditures - FY 2012		949,747		
		TOTAL - NOVEMBER 2010 THRU MARCH 2012		\$ 2,690,123		40,364