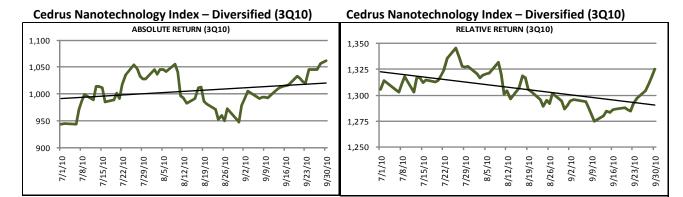
Nanotechnology Index 3Q10 Review

CNID and CNIP rebound strongly, 11.7% and 10.5%, in 3Q 10

KEY POINTS:

- ➤ CEDRUS NANOTECHNOLOGY INDICES INCREASE IN 3Q10: CNID and CNIP both recovered in 3Q10, posting gains of 11.7% and 10.5%, respectively, while the S&P 500 gained 10.7%, 3Q vs. 2Q10. Year-to-date, CNID's return is -1.2% and CNIP's is 0.7% due to a stronger 1Q and marginally less weak 2Q10. The S&P 500 has outperformed both, year-to-date, posting a 2.3% return. Within CNID, once again, there was a vast difference between the best and worst performing sub-groups: Nano-Environment +16.8% and Nano-Electronics +4.7%.
- ➤ CEDRUS NANOTECHNOLOGY INDEX DIVERSIFIED (CNID) BEST PERFORMER in 3Q10: Of the two indices, CNID outperformed CNIP by 120 bps in 3Q10; however, CNIP still has the stronger year-to-date performance of 0.7%. The biggest driver of CNID's outperformance over CNIP was Potash (POT), which is only a constituent of CNID. Keeping the difference in performance close was the negative impact of FormFactor (FORM), which was a drag in 2Q and this quarter (-20.4%). CNIP does not contain FORM. Within the sub-groups, the differences in returns between top and bottom performers were 143.7% for Nano-Manufacturing, 51.1% in Nano-Electronics, 48.7% in Nano-Energy, 71.8% in Nano-Life Science and 93% in Nano-Environment.
- ➤ CEDRUS NANOTECHNOLOGY INDEX PURE (CNIP): Looking at the delta between the best and worst performing sub-groups in CNIP, Nano-Manufacturing was the best, returning 13.9% while Nano-Electronics was the weakest, returning 4.5%, yielding a delta of 9.4%. Within the sub-groups, the differences in returns between top and bottom performers were 143.7% for Nano-Manufacturing, 43.6% in Nano-Electronics, 46.2% in Nano-Energy, 71.8% in Nano-Life Science and 76.7% in Nano-Environment.
- ➤ DRIVERS OF NANOTECHNOLOGY PERFORMANCE: It was a mixed bag of performance of the sub-groups relative to the S&P 500. Within CNID, Nano-Manufacturing and Nano-Environment outperformed (16.8%, 16% respectively, versus S&P 500's 10.7%), but Nano-Electronics, Nano-Energy and Nano-Life Sciences, underperforming). For CNIP, the same groups led and lagged, but the margin of outperformance was lower in the leading groups (Nano-Manufacturing, 13.9%, and Nano-Environment, 12.4%).





FIVE NANO-MARKETS' PERFORMANCE IN CNID IN 3Q10

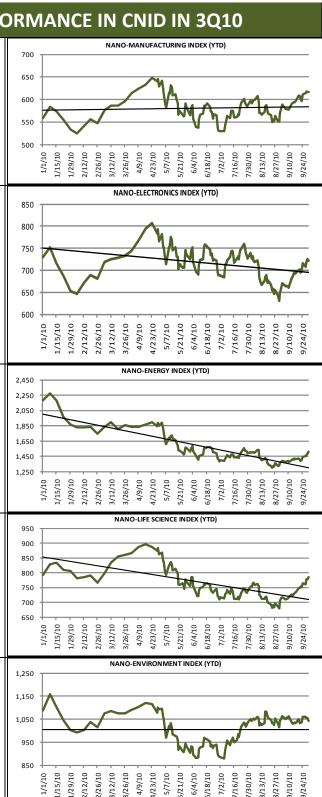
NANO-MANUFACTURING: In 3Q10, the index of this subgroup grew 16% Q/Q, outperforming the CNID, CNIP and S&P 500. ALTI, the energy storage company, was the best performer with 93.8% Q/Q increase after dropping 55.6% Q/Q in 2Q10 and establishing the 52-week low in late June 2010. AMAG was the worst performer with 49.9% decline Q/Q after missing 2Q earnings expectations and the Food Drug Administration's determination that there is safety issue with the company's drug, Feraheme (Ferumoxytol).

NANO-ELECTRONICS: This was the worst-performing subgroup, growing only 4.7% Q/Q in 3Q10 because of its relatively strong performance in 2Q10 (down only 6.5% Q/Q). **PANL**, remained the best performer with 30.7% Q/Q increase on top of the 52.8% Q/Q rise in 2Q10 due to the penetration of OLED displays to fast-growing smartphones and the next-generation of large area TVs and white OLED lighting products. **FORM**, the probe card company, retained the worst-performing title for the 3rd consecutive quarter due to issuance of 3Q warning and lack of confidence from investors on the continuity and execution of the management.

NANO-ENERGY: After a lousy 2Q10, Nano-Energy made a comeback in 3Q10 gaining 6.8% Q/Q, which was fourth out of fifth in terms of sub-group percentage gains. FSLR was the top performer in this sub-group, while Vestas Wind Systems (VWS-DK) was the worst, falling 19.3% Q/Q. FSLR rose on a broker's positive outlook on the Agua Caliente project (290MW) plant and more North American utilities likely to invest in alternative energy sources. Vestas posted a greater than expected loss due to delayed orders from US/Europe.

NANO-LIFE SCIENCE: INCY was the best performer, +44.4% Q/Q, with SRDX being the worst, -27.4% Q/Q. Incyte beat consensus EPS on slightly better than expected revenues driven by payment from Eli Lilly for JAK1/JAK2 inhibitor milestone achievement, as well as a milestone payment from Pfizer. Insider buying by CEO and CFO on July 1. SRDX missed estimates with turmoil in the management ranks and severe competition in the stent market. Global sales of Cypher stent were down 29% Y/Y. Ophthalmology also disappointed.

NANO-ENVIRONMENT: POT was the clear leader in this subgroup (+67% Q/Q), having rejected BHP Billiton's unsolicited \$130/share offer, citing it as grossly inadequate. However, the stock soared from prior day's close of \$112 to \$143 on the open of August 17 as a consequence. In the loser's category, Duoyuan Global Water (DGW) fell 26% due to problems at its majority-shareholder's other holding Duoyuan Printing. The company announced the removal of the CEO/CFO and dismissed its auditor, Deloitte on 9/13/10.



CEDRUS NANOTECHNOLOGY INDEX – DIVERSIFIED

CEDRUS NANOTECHNOLOGY INDEX – DIVERSIFIED (CNID) is an equal-weighted index of companies spanning all five nano-markets and is inclusive of both diversified companies that have nanotechnology as only one of many growth drivers, and pure-plays that have nanotechnology as their primary driver of growth.

- ➤ **LEADERS & LAGGARDS OF INDEX IN 3Q10:** In 3Q, the best performing stock overall was Altair Nanotechnologies (ALTI), which posted +93.8% performance. The worst performer was AMAG Pharmaceuticals (AMAG), which fell by 49.9% in value. The best and worst performers in each of the sub-group of CNID were as follows:
 - o Nano-Manufacturing:

•	Best – Altair Nanotechnologies (ALTI)	+93.8%
•	Worst – AMAG Pharmaceuticals (AMAG)	-49.9%

Nano-Electronics:

•	Best – Universal Display (PANL)	+30.7%
•	Worst – FormFactor (FORM)	-20.4%

o Nano-Energy:

•	Best – First Solar (FSLR)	+29.4%
•	Worst – Vestas Wind Systems (VWS-DK)	-19.3%

Nano-Life Science:

•	Best – Incyte (INCY)	+44.4%
•	Worst – SurModics (SRDX)	-27.4%

o Nano-Environment:

•	Best – Potash (POT)	+67.0%
•	Worst – Duoyuan Global Water (DGW)	-26.0%

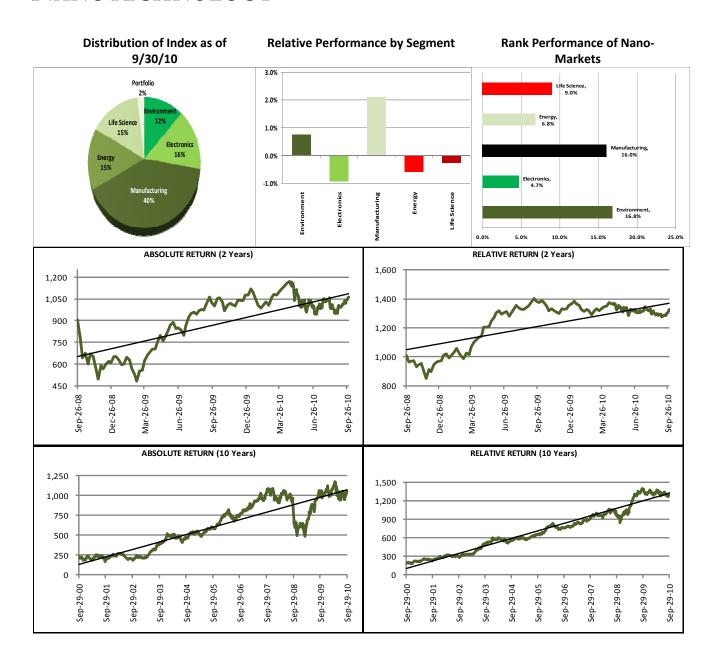
→ 4Q10 OUTLOOK:

- O Nano-Manufacturing: As investors increasingly recognize that the semiconductor capital equipment sector has matured to a no growth but highly cyclical industry, the discounting of peaks and troughs has been increasingly early. Looking at data that compare aggregate revenue of the leading wafer fab equipment suppliers and their stock prices since 2003, one would conclude that these stocks tend to trough 3 months before the Q/Q revenue growth actually turns negative and peak some 3 months ahead of the maximum Q/Q revenue growth or coincide with the maximum rate of Q/Q order increase. Recent history therefore suggests a bottom for these stocks in 4Q CY10, assuming a flat stock market.
- Nano-Electronics: These stocks are regarded by investors as cyclical growth with the overall semiconductor industry growing 1.5-2x the world's GDP growth rate or around 7%. Hence, they tend to react more coincidently with the cyclical turns that tend to be inventory cycles dominated. In our opinion, the Philadelphia Semiconductor Index (SOX) peaked with the S&P 500 in April 2010 but has lagged since despite very strong corporate performance through 1H CY10 because investors discount the coming inventory correction as leadtimes contract to normal levels. We believe we are witnessing a rolling inventory correction, with PCs and consumer electronics in 3Q/4Q CY10 and industrial/communications infrastructure possibly in 4Q CY10/1Q CY11. Through year-end CY10, we expect a trading range for these stocks with the inflection point in late January/February 2011, when these companies report their 4Q CY10 results and give guidance to the seasonally weak 1Q CY11. If we are wrong, the discounting process could start about now as semiconductor stocks are reacting positively to below-consensus 4Q CY10 guidance due to inventory correction. If cuts in analysts' EPS

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estimates are as moderate as we are assuming, these stocks will start outperforming as investors discount Q/Q acceleration in 2H CY11. Importantly, we believe on a yearly revenue growth of 5-7% in CY11, non-memory IC companies should be able to maintain margins at the peak/record levels of CY10. In other words, outperformance in CY11 will be driven by P/E expansion rather than strong revenue/EPS growth.

- O Nano-Energy: Overall negative view. Battery players facing overcapacity due to excess government funding. Solar faces reduced subsidies in Europe due to cutbacks (feed-in tariffs at risk) and austerity measures. However, if US utility-scale projects for solar take off then ASPs will rise as demand stresses supply in the face of accelerating capacity additions. Wind: cautious on profitability. There is overcapacity which will keep a lid on profitability. With Gamesa setting a 2013 margin target of 6-7%, lifting from 4-5% in 2011, it is hardly an "off-to-the-races" in terms of profits. Combining the immediate fundamentals with limited visibility, we remain cautious on Wind.
- o **Nano-Life Sciences**: Positive on Agilent Technologies (A), Gilead Sciences (GILD), Baxter International (BAX), Becton Dickinson (BDX) and Harvard Bioscience (HBIO).
- Nano-Environment: Positive on Hawkins (HWKN), FMC Corporation (FMC), Verenium (VRNM), Metabolix (MBLX), Penford (PENX), Monsanto (MON), Archer Daniels Midland (ADM), Donaldson (DCI), Nalco Holding (NLC), Energy Recovery (ERII), Darling International (DAR).



CEDRUS NANOTECHNOLOGY INDEX – DIVERSIFIED CONSTITUENTS

Nano Electronics	Nano Energy	Nano Life Science	Nano Environment	DIVERSIFIED
ASML*	SOLR*	TMO*	ARJ*	AMAT*
AIXG*	CTN-DE*	LIFE*	CCC*	FEIC*
ASMI*	IOSP*	A*	HWKN*	VECO*
CYMI*	BOOM*	WAT*	FMC*	IVAC*
CCMP*	FSLR	SIAL*	VRNM*	ACCL*
ENTG*	SPWRA	AMAG*	MBLX*	MMM*
INTC	ENER	GILD	PENX*	DOW*
AMD	VWS-DK	GENZ	MON	DD*
TXN	CWP-GB	ELN	POT	APD*
BRCM	ORA	QGEN	ADM	HXL*
MRVL	ITRI	INCY	MOS	PPO*
TSM	ENOC	ABII	CECE	FOE*
005930-KR (Samsung)	COMV	NVAX	DCI	SXS-GB*
SNDK	AONE	SRDX	WPRT	IIVI*
CREE	ENS	BCRX	FTEK	ALTI*
2448-TW (Epistar)	HEV	FLML	NLC	NANX*
PANL	FCEL	BAX	ERII	TINY
KOPN	PLUG	BDX	DGW	ARWR
AME	AMSC	VITA	DAR	
NVEC		NSPH		
FORM		HBIO		

^{*}Constituents of the Nano Manufacturing sub-group index

CEDRUS NANOTECHNOLOGY INDEX – PURE CONSTITUENTS

Nano Electronics	Nano Energy	Nano Life Science	Nano Environment	DIVERSIFIED
ASML*	SOLR*	TMO*	CCC*	AMAT*
AIXG*	IOSP*	LIFE*	HWKN*	FEIC*
CCMP*	BOOM*	A*	FMC*	VECO*
ENTG*	FSLR	AMAG*	VRNM*	IVAC*
INTC	SPWRA	ELN	MBLX*	ACCL*
SNDK	ENER	QGEN	PENX*	PPO*
CREE	ORA	INCY	ADM	FOE*
PANL	ITRI	ABII	MOS	IIVI*
KOPN	AONE	NVAX	CECE	ALTI*
AME	FCEL	SRDX	DCI	NANX*
NVEC	PLUG	BCRX	WPRT	TINY
	AMSC	FLML	FTEK	ARWR
		BDX	ERII	
		VITA	DGW	
		NSPH	DAR	
*Constituents of the Nano Ma	anufacturing sub-group index	НВІО		

Note: SMMX and SYT removed from both CNID and CNIP in 3Q10



NANOTECHNOLOGY INDUSTRY COMPARABLE METRICS Oct-22-10 Book Value Earnings Price (\$-Mn) (\$-Mn) Daily Vol YTD CY10 ('10) P/B CY08 CY09 CY10 P/E (CY10 NANO TOOLMA 21,156 14.3 x 49.66 20,241 409 1.0% 16% 16% 4% 10,721 -4% 2.0 x 7.4 > 1.3 x 37.72 1.3 x 3.16 3.05 3.46 AMAT 12.13 15.893 14.052 1.336 1.1% 23% 15% -13% 9.448 -25% 65% 1.5 x 4.0 x 1.0 x 5.45 2.2 x 0.64 0.11 0.97 12.5 x LIFE 10,572 13% 3,556 102% 1.7 x 23.90 13.8 x 47.15 8,543 183 1.6% 19% -10% 8% 3.0 x 6.2 x 2.0 x 2.86 3.04 3.42 7.27 1.19 11.0 x 11,854 0.9% 12% 3.0 × 8.10 17.2 WAT 72.53 6,660 6,678 92 0.7% 2% 23% 17% 1,606 4.2 x 6.0 x 2.0 x 8.83 8.2 x 3.30 3.45 3.97 18.3 x 50% 8.34 0.68 50.90 124 0.6% 6.8 × 4.3 x 6.1 x 0.80 0.98 BEC 49.91 4.536 40% 12% -24% 3,656 2.2 x 28.27 3.63 3.84 13.0 x 3,370 12% 1.2 x KLAC 35.99 5.987 5.252 168 2.0% 4% 26% 0% 2.304 -17% 38% 2.3 x 4.8 x 0.7 x 13.37 2.7 x 1.27 0.67 2.69 13.4 x 10 FLIR 26.41 4,275 3,891 158 2.5% 26% 9% -19% 1,372 7% 20% 2.8 > 7.5 > 2.4 x 8.37 3.2 x 1.28 1.45 1.54 17.2 x 11 LRCX 5,126 4.6% 27% 3.1 x 1.39 12 PKI 23.43 2 741 3 167 118 0.8% 9% 22% 14% 1.795 -6% -1% 1.8 x 2.2 x 0.8 x 13 94 17 v 1 27 1.35 17.4 x 13 BIO 91.31 2,053 2,570 28 0.4% 37% 12% -5% 1,925 1% 8% 1.3 x 2.1 x 1.0 x 45.23 2.0 x 4.54 5.20 5.06 18.1 x 29.65 2,172 1,944 0.8% -33% 2.2 × 6.8 × 8.79 0.85 3.4 x 14.93 2,398 0.4% 24% 1,274 14% 1.9 2.49 0.49 22.1 16 NVLS 27.60 2,473 2,196 1.2% 5% 30% 18% 1,326 -37% 108% 1.7 x 3.6 x 0.4 x 12.89 2.1 x 0.07 (0.51)2.87 9.6 x 17 **ASM** 25.54 1,370 1,481 53 0.0% 14% 27% -1% 1,454 -18% 72% 1.0 x 2.1 x 0.4 x 8.44 3.0 x 0.50 (1.91)2.52 10.1 x 11.45 2,046 181 3.3% 29% 1,732 -26% 1.0 > 5.02 2.3 x 0.19 (0.27) 4.8 x 18 TER 2.9 > 89.89 1.504 1% 3.5 × 1.7 × 19 DNEX 17 0.5% 30% 22% 4 8 v 14.27 2 91 3 45 26.1 x 1.545 435 20 AIXG 31.83 3,062 2,728 100 0.2% 22% 30% -5% 1,020 14% 135% 2.7 > 9.8 x 0.5 x 5.84 5.5 x 0.35 0.69 2.34 13.6 x -8% 0.4% 20% 23% 0.9 > 2.8 > 15.15 1.4 x 0.62 0.93 612 0.63 1.22 23 **CYM**I 37.01 954 1.5% 8% 24% -4% 531 -33% 73% 1.8 x 5.0 x 19.18 1.9 x 0.40 2.60 14.2 x 1,079 0.8 x 24 CPHD 20.45 1.070 1.178 60 1.8% 3% 42% 64% 209 1% 22% 5.6 x 15.6 x 1.6 x 2.30 8.9 x (0.37)(0.39) (0.16) N/A 25 LMNX 143 0.4% 25% 16.99 714 621 42 7% 14% 16% 18% 4.3 x 12.5 x 3.8 x 5.54 3.1 x 0.08 0.17 0.19 89.0 x 101% 4.01 320 -22% 310 0.8 > 1.1 x (0.36)27 VECO 39.08 1,564 1,285 41 3.4% 39% 42% 18% 1,003 -14% 164% 1.3 x 5.0 x 0.3 x 11.55 3.4 x 0.51 0.27 4.32 9.1 x 28 VRGY 48% 20% 9.30 554 303 1.6% -28% 557 -43% 55% 0.5 x 1.9 x 0.0 x 7.10 1.3 x 0.74 (1.15)0.61 15.1 x 30 ACCL 7.24 401 317 55 0.1% 4% 32% 26% 133 2% 62% 2.4 x 3.8 x 0.4 x 3.09 2.3 x 0.13 0.31 0.24 29.9 x AVG. 4,254 1.2% 20% 25% 7% 2,130 35% 2.0 > 6.1 x 1.0 x 11.94 3.4 x 4,335 -10% 0.0% 0% -28% 133 -44% -5% 0.5 x 1.9 x 0.0 x 1.36 1.1 x MAX 101% 50% 66% 10,721 164% 6.8 x 20.4 x 45.23 8.9 x 4.6% 102% 4.3 x NANO MATERIALS VENDORS 65.534 0.8% 25% 14% 19.59 15.6 x MMM 713 1% 9% 26.322 2.5 x 1.3 x 4.6 x 5.17 4.69 5.79 90.44 64,496 -8% 3.2 x 30,786 -10% 1.6 × 2.1 x 2.78 PX 92.18 28,213 33,506 306 0.6% 1% 21% 15% 10,096 -17% 13% 3.3 x 3.7 x 1.9 x 17.81 5.2 x 4.20 3.99 4.69 19.7 x DOW 30.20 35.028 57.849 1.160 0.8% 6% 26% 9% 52,499 -22% 17% 1.1 x 1.4 x 0.3 x 14.22 2.1 x 1.82 0.63 1.68 17.9 x GLW 29,046 26,788 0.5% 24% -4% 6,494 -9% 9.7 x 1.7 x 10.91 1.7 x 1.35 8.8 x 18.60 1,562 13% 20% 4.1 > 1.53 2.12 5% 24.61 3.4 16.4 x SIAL 62.29 7.537 7.626 121 1.2% 1% 25% 23% 2.272 -2% 6% 3.4 x 4.1 x 2.0 x 14.07 4.4 x 2.65 2.80 3.24 19.2 x KRO 67% 36.15 18 534 3.6% 20% 122% 1,471 -13% 29% 0.4 x 2.0 x 0.4 x 7.39 4.9 x 0.18 (0.71)1.99 18.2 x 2,856 2,673 227 2.9% 1.3 > 11.1 x 9.42 1.3 x 29.8 x 2,116 10 <u>CBT</u> 11 HXL 18.52 1.800 2.080 97 0.7% 5% 47% 43% 1.169 -16% 1.8 > 2.4 x 0.6 x 5.99 3.1 x 0.82 0.63 0.77 23.9 x 12 **PPO** 34.47 45 2% 70% 190% 601 -15% 16% 3.6 x 3.8 x 7.46 0.96 0.72 1.24 27.9 x 1,535 2,161 0.7% 1.4 x 4.6 x 23% 13 **ASH** 52.00 9,056 0.8 > 46.44 1.1 x 11.8 x 14 IIVI 36.12 1.117 1.013 31 0.7% 8% 30% 14% 385 5% 21% 2.6 x 4.5 x 1.1 x 13.29 2.7 x 1.46 1.27 1.47 24.6 x 15 CCMP 35.62 830 582 23 0.5% 20% 17% 8% 409 -10% 28% 1.4 > 2.8 > 0.6 x 21.65 1.6 x 1.35 0.87 2.05 17.4 x 24.25 0.4% 35% 26% 412 1.0 × 5.3 x 25.03 1.0 x 26.0 x -41% 3% 17 ATM 16.97 0.8% 30% 29% -9% -25% 42% 13.56 0.85 17.4 x 533 409 363 1.1 > 3.8 x 1.3 x (0.02) 0.97 18 **BW** 29.43 599 703 20 0.9% 3% 46% 59% 1.138 -21% 59% 0.6 x 1.7 x 0.1 x 17.83 1.7 x 1.47 (0.40)2.01 14.6 x 19 воом 12% 15.40 45% -29% 1.5 x 0.66 47.9 x 203 229 13 1.0% -23% 155 -6% 6.3 x 0.5 x 9.35 1.6 x 1.91 0.32 20 **ENTG** (0.01) 21 ROG 34.84 551 16 0.5% 1% 32% 15% 378 -20% 29% 1.3 > 3.1 x 19.13 1.8 17.2 506 22 **ZOLT** 9.90 341 331 34 0.8% 13% 28% 4% 151 -20% 8% 2.2 x 13.2 x 0.7 x 8.02 1.2 x 0.13 (0.14)(0.11)N/A 23 RBCN 24.06 7.0% 47% 18% -29% 6.3 x 616.7 x 6.90 0.19 25.1 x 3.5 x 24 AKE-FE 3,770 3,831 48% 7,802 5.60 61.52 0.4% 65% -19% 22% 0.5 x 0.6 x 46.52 1.3 x 3.22 (2.18) 11.0 x 7.3 x 1.8 x 25 SDTH 6.24 338 311 0.4% 23% 33% 2% 129 -32% 2.4 > 0.6 x 3.46 0.64 0.43 0.50 12.6 x 26% 26 SXS-GI 17.36 2,003 2,131 115 0.3% 4% 38% 46% 1,334 12% 1.6 > 1.9 x 0.7 x 5.93 2.9 x 1.04 0.78 1.10 15.8 x 27 IOSP 16.93 373 0.2% 49% 1.5 × 0.2 x 2.2 x 1.86 2.11 2.8 × 28 ccc 15 59 876 855 1.0% 18% 25% 12% 471 3% 14% 1.8 > 2.8 x 5.63 0.56 0.69 0.62 25.1 x 29 **SOA** 18.13 2,212 3,635 122 1.3% 3% 44% 43% 1,913 -46% 15% 1.9 x 2.2 x 0.4 x 4.10 4.4 x 0.62 1.15 1.49 12.2 x 30 **KWR** 37.10 418 461 11 1.1% 3% 56% 80% 525 -22% 16% 0.9 x 1.0 x 0.2 x 14.25 2.6 x 1.23 1.75 2.74 13.6 x 31 SCL 19% 1,430 30.14 2.2 32 ARJ 35.49 892 1.012 25 0.3% 6% 27% 15% 1.379 -7% -1% 0.7 x 0.8 x 0.3 x 16.71 2.1 x 2.49 1.91 2.38 14.9 x 33 **FOE** 58% 12.94 1,115 1,401 7% 57% 1,955 -26% 18% 0.7 x 6.17 (0.25) 1.00 13.0 x 1.0% 0.9 x 0.3 x 2.1 x 1.42 2,912 19% 38% 42% 3,177 -23% 14% 0.9 x 32.18 14.7 x 51.67 2,550 1.4% 1.6 x 0.3 x 1.6 x 35 AMN 36 HWKN 36.55 377 330 10 0.3% 12% 47% 67% 276 1.2 x 1.4 x 0.4 x 12.59 2.9 x 1.95 14.8 x 37 ALTI 57 0.3% 50% -31% -24% 52% 82.9 x 4.5 x 0.24 2.5 x (0.34) (0.19) (0.22) 8.6 > 29% 0.2% -1% 12% -31% -46% -6% 0.4 x 0.6 x 0.0 x 0.24 1.0 x

Source: FactSet and Cedrus Investments Ltd.

7.0%

93%

70%

190%

52,499

265%

8.6 x

616.7 x

4.5 x

54.41 5.2 x



NANOTECHNOLOGY INDUSTRY COMPARABLE METRICS Oct-22-10 Earnings % from 5-Year Book/ Price (\$-Mn) (\$-Mn) % VTD CV10 P/R CVUS CYN9 CV10 (CY10) NANO ELECTRONICS 0.4% 15,250 8,483 11,584 883 39% 13% -20% -13% 36% 0.8 x 2.2 x 0.3 x 9.88 1.0 x 0.75 (0.94) 11.8 x 2.47 ΔME 49 87 5.344 6.090 107 0.4% 31% 30% 2,357 -17% 2.6 x 3.0 x 14 58 2 5 5 1.91 20.2 x 1.5 x BEZ 41.75 1,936 3,069 47 0.9% 4% 41% 49% 1,710 -22% 12% 1.8 x 3.7 x 0.9 x 20.33 2.1 x 2.15 1.28 1.71 24.4 x 5.268 4,375 108 6.6% 66% 19% -11% 1,008 4.3 x 18.78 2.7 > 0.54 2.04 24.6 x AVX 14.00 2,364 1,638 0.1% 12% 1,559 0.4 > 0.69 11.9 > 21% 10% 18% 10.72 1.3 > AMSO 34.63 1,573 1,463 1.2% 27% -15% 402 71% 42% 3.6 x 20.2 > 6.28 5.5 x (0.30) 0.46 31.2 x MKSI 20.48 1,009 717 50 1.3% 21% 28% 18% 861 -36% 109% 0.8 x 2.4 x 0.5 x 15.03 1.4 x 0.82 (0.05) 2.64 7.8 x POW 32.82 742 1.2% 41% 20% -10% 300 7% 5.2 x 0.9 x 11.39 2.9 > 1.18 2.04 16.1 x 887 2.5 x 0.20 FSYS 33% 14.05 2.00 10 FORM 11 PANL 24.62 952 876 38 0.9% 10% 58% 99% 25 43% 58% 35.1 x 62.7 x 9.6 x 1.42 17.3 (0.53) (0.56) (0.36)N/A 12 IXYS 10.50 324 306 31 0.3% 2% 42% 42% 317 -11% 26% 1.0 x 1.5 x 0.4 x 5.89 1.8 x 0.48 0.11 0.62 16.9 x -14% 14 VICE 18.72 481 729 42 0.2% 4% 65% 101% 197 -4% 3.7 x 47 x 0.7 x 3 51 5.3 > (0.09) 0.07 0.25 74 9 x 15 MXW 16.66 438 0.8% 39% 2.90 0.71 (0.94)1.874.2 16 AEIS 43 149% 0.2 x 1.9 x 14.37 602 493 2.1% 29% 25% -5% 464 -43% 1.1 x 3.0 x (0.04)(0.85)1.33 10.8 x 17 NVEC 213 13% 11% 19% . 1.91 22% 12.53 0.29 18 **KOPN** 3.71 0.5% 36% 27% -11% 126 0% 1 1 x 4.8 x 0.1 x 2.44 0.04 0 11 33.0 x 19 MVIS 2.04 180 159 89 0.7% 162% 6% -36% 15 -42% 285% 10.8 x 92.1 x 3.2 x 0.27 7.5 x (0.53)(0.54)(0.42)N/A 20 SPEC 14.83 194 190 0.3% 9% 45% 57% 167 3% 24% 1.1 x 1.8 x 0.3 x 9.62 1.5 > 0.67 0.70 1.08 13.7 x -0.2 x 1.3 x 22 CPST 0.74 183 125 197 0.5% 100% 16% -42% 81 40% 41% 1.6 x 19.4 x 0.6 x 0.20 3.8 (0.25) (0.32)(0.17) N/A 23 **OIIM** 6.01 224 34 0.3% 31% 33% 15% 143 -8% 12% 0.6 x 4.4 x -0.2 x 5.22 1.2 x (0.24)0.01 0.54 11.1 x 24 PLUG 132 150% 18% 17 -31% 1.4 x 34.0 x -4.1 x 0.46 (0.32)(0.41)0.3% -38% 1.0 > (1.36)N/A 1,349 1,430 4% 1,082 7.76 14.6 > 0.1% 1% 6% -69% 15 -43% -9% 0.2 x 1.5 x -4.1 x 0.18 0.8 x 65% 101% NANO ENERGY 28.4 x 0.9% -38% 21.27 3.93 REC-NO 3.639 4.897 997 1.3% 82% 39% -44% 2.152 35% 36% 2.3 x 25.1 x 0.51 (0.26)0.09 41.4 x 145.55 FSLR 12.453 11.795 86 1.4% 9% 32% 7% 2.576 66% 25% 4.6 x 136.1 x 3.7 x 35.21 4.1 x 4.24 7.53 7.43 19.6 x 153 24% 16% 1,699 7.61 0.95 CVA 15.93 2,444 1.5% -12% -7% 10% 2.6 x 0.66 0.55 29.1 x 4,493 6.2 x 2.3 x 2.1 x WCH-E STP 8.70 1.567 2.352 180 3.3% 116% 13% -48% 2.669 -12% 58% 0.9 x 37.0 x 1.0 x 8.11 1.1 x 0.79 0.53 0.68 12.9 x ITRI 60.71 2.447 2.983 40 0.9% 35% 14% -10% 2.128 -12% 26% 1.4 x 5.6 x 1.2 x 31.78 1.9 x 3.36 2.12 3.61 16.8 x WFR 2,673 227 2.9% 35% 27% 2,116 -42% 9.42 (0.29) 29.8 x 12.56 2,856 82% 1.3 x 11.1 x 0.5 x 3.27 0.42 -8% 1.3 x 9 QCE-DE 1,167 145 1.5% 273% -68% -34% 0.7 x 6.88 1.88 72.2 x 1.4% 10 SPWR 13.43 150% 28% -43% 2,145 0 9 5 249.7 15 00 0.9 > 1 54 11 ORA 28.61 1,300 1,917 45 0.3% 54% 10% -24% 376 20% -10% 5.1 x 9.0 x 4.3 x 19.90 1.4 x 1.12 1.51 0.47 60.5 x 12 LDK 10.74 1,411 2,979 131 5.2% 25% 54% 53% 2,071 -33% 89% 1.4 x 72.0 x 0.7 x 6.62 1.6 x 0.91 (2.03)0.98 10.9 x 14 YGE 11.65 1.730 2.449 149 2.8% 64% 29% -26% 1.672 -4% 58% 1.5 x 12.6 x 1.0 x 6.22 1.9 > 0.78 (0.16)1.28 9.1 x 15 XIDE 5.76 437 1,018 1.0% 51% 38% -19% 2,701 -17% 0.4 > 0.6 x 0.2 x 4.06 1.4 x 0.46 0.03 0.07 83.1 x 1.4 x 23.42 545 1.4 x 16.88 15.2 x 0.3% 23% 22% 543 -5% 4% 3.5 x 1.3 x 1.40 1.52 1.54 5.8% 2.0 > 9.1 x 1,447 (0.08) 1.11 18 JASO 1,433 169 6.7% 21% 58% 49% 1,517 -31% 174% 1.0 x 20.2 x 4.67 0.24 7.7 x 19 ESLR 0.97 204 474 210 1.5% 93% 38% -36% 350 143% 29% 1.4 x 24.1 x 1.3 x 1.80 0.5 x (0.65) (1.41)(0.37)N/A 191% 20 ENER 4.68 227 298 49 2.4% 20% -56% 286 -1% 0% 1.0 > 23.7 > 1.1 x 6.14 0.8 0.39 (0.92)(1.59)N/A 0.6% 80% 22 VLNC 1.29 172 232 133 0.2% 38% 50% 42% 34 -25% 82% 6.9 x 34.2 x 6.4 x (0.60) -2.1> (0.18) (0.18) (0.12) N/A 23 PWER 10.73 1.141 1.088 106 2.5% 22% 80% 147% 926 -20% 115% 1.2 x 2.4 x 0.2 x 1.60 6.7 x 0.16 (0.74)0.76 14.1 x 24 ABAT 1.4% 21% 24% 41% 3.96 272 210 69 -1% 104 63% 2.0 x 52.1 x 1.3 x 2.25 1.8 x 0.31 0.35 0.56 7.1 x 25 **COMV** 25 -29% 134 1.3 x 22.6 x 0.4 x 2.17 (1.45) (0.65) AVG. 2,491 2,893 62% 3% -42% 0.4 x 0.6 x -2.1> MIN 0.2% -68% -12% 0.1 x (0.60)-2%

Source: FactSet and Cedrus Investments Ltd.

273%

80%

147%

8,367 143%

174% 6.9 x 249.7 x

6.4 x

59.05 6.7 x



NANOTECHNOLOGY INDUSTRY COMPARABLE METRICS

Oct-22-10				Sh	nares	Pi	ice Perform	ance	Sales		Boo	ok Value	1 [Earnings						
	Share	Mkt Cap	Ent Val			% to	% from			% Y/Y	% Y/Y	EV/	5-Year	5-Year	Book/					
	Price	(\$-Mn)	(\$-Mn)	Out	Daily Vol	High	Low	% YTD	CY10	('09)	('10)	Sales	Peak	Trough	Share	P/B	CYO	CY09	CY10	P/E (CY10)
NANO LIFE SCIENCE																				
1 ABT	52.56	81,562	93,474	1,544	0.5%	8%	15%	-3%	35,183	4%	14%	2.7 x	4.6 x	2.4 x	12.90	4.1 x	3.32	3.72	4.17	12.6 x
2 AMGN	57.55	55,227	52,369	958	0.5%	6% 24%	13%	2%	15,020	-2%	3%	3.5 x	8.9 x	3.1 x	24.19	2.4 x	4.48	4.91	5.12	11.3 x
3 TEVA	52.44	49,351	49,213	897	0.6%	24%	10% 19%	-7%	16,292	25% 31%	17%	3.0 x	6.2 x	2.8 x	21.55	2.4 x	2.93	3.37	4.56	11.5 x
4 GILD 5 MDT	39.11 35.75	31,885 38,314	31,740 45,197	815 1,080	1.6%	31%	14%	-10% -19%	7,934 15,912	31% 8%	13% 3%	4.0 x	15.4 x 6.8 x	3.6 x 2.3 x	7.21 13.52	5.4 x 2.6 x	2.10 2.82	3.06 3.12	3.66	10.7 x 10.7 x
6 BAX	51.12	29,844	32,623	584	1.4%	21%	21%	-13%	12,992	2%	3%	2.5 x	4.0 x	2.5 x	10.09	5.1 x	3.38	3.80	3.96	10.7 x
7 NVO	100.24	49,330	46,106	473	0.1%	2%	38%	57%	10,772	16%	9%	4.3 x	4.9 x	2.2 x	9.53	10.5 x	2.94	3.44	4.27	23.5 x
8 GENZ	72.45	18,338	18,743	255	1.1%	1%	37%	48%	4,449	-2%	-1%	4.2 x	9.1 x	2.6 x	25.41	2.9 x	4.00	2.27	1.88	38.6 x
9 BDX	76.40	17,875	17,986	232	0.7%	5%	13%	-3%	7,552	1%	4%	2.4 x	3.6 x	2.1 x	22.20	3.4 x	4.59	4.99	5.18	14.7 x
10 ILMN	50.90	6,249	5,841	124	0.6%	2%	50%	66%	862	16%	29%	6.8 x	20.4 x	4.3 x	8.34	6.1 x	0.68	0.80	0.98	51.7 x
11 ELN	5.69	3,358	3,968	585	0.4%	45%	25%	-13%	1,168	11%	5%	3.4 x	35.8 x	3.9 x	0.49	11.7 x	(0.55	(0.35)	(0.18)	N/A
12 QGEN	18.52	4,354	3,124	233	0.9%	30%	9%	-17%	1,143	13%	13%	2.7 x	8.4 x	3.7 x	8.19	2.3 x	0.79	0.93	0.92	20.2 x
13 AMAG	19.93	419	130	21	1.6%	163%	16%	-48%	74	786%	334%	1.8 x	401.5 x	1.5 x	13.10	1.5 x	(4.22		(4.33)	N/A
14 PRX	33.36	1,164	995	35	0.5%	2%	40%	23%	979	106%	-18%	1.0 x	2.9 x	0.3 x	15.79	2.1 x	0.05	2.51	2.46	13.5 x
15 VITA	2.16	167	182	77	0.8%	117%	26%	-38%	98	21%	5%	1.9 x	7.4 x	1.5 x	0.58	3.7 x	(0.14		(0.02)	N/A
16 SRDX 17 INCY	12.09 16.94	209 2.028	189 1.909	17 122	0.2% 1.6%	143% 3%	12% 69%	-47% 86%	76 103	-18% 136%	1% 1014%	2.5 x 18.5 x	14.2 x 481.7 x	1.9 x 16.9 x	10.03	1.2 x -19.7 x	1.40	0.90	0.46	26.1 x N/A
17 INCY 18 NVAX	2.43	2,028	235	107	0.5%	3% 85%	21%	-9%	103	-69%	1014%	18.5 x 46.0 x	481.7 x 1798.8 x	16.9 x 11.0 x	0.58	-19.7 x 4.2 x	(0.53		(0.92)	N/A N/A
19 BCRX	5.19	231	177	45	0.5%	145%	15%	-9%	72	32%	-3%	2.5 x	3463.6 x	-0.4 x	1.86	4.2 x 2.8 x	(0.53		(0.34)	N/A N/A
20 FLML	7.20	180	135	24	0.1%	37%	18%	-3%	40	9%	-5%	3.4 x	38.7 x	1.2 x	1.84	3.9 x	(0.50		(0.37)	N/A
21 BDSI	3.44	82	58	24	0.5%	41%	38%	-12%	16		-74%	3.6 x	517.3 x	0.4 x	0.94	3.6 x	(0.80		0.07	47.4 x
22 NSPH	4.57	129	73	28	0.1%	54%	36%	-29%	3	62%	31%	25.3 x	495.1 x	-12.8 x	2.10	2.2 x	(1.67	(1.46)	(1.49)	N/A
23 HBIO	4.05	113	110	28	0.3%	11%	20%	13%	-	-3%	-	-	2.3 x	0.5 x	2.59	1.6 x	0.32	0.30	-	N/A
AVERAGE		16,985	17,590		0.7%	44%	25%	0%	5,943	8%	14%	3.0 x	319.6 x	2.5 x	9.23	2.9 x				
MIN					0.1%	1%	9%	-48%	3	-69%	-74%	1.0 x	2.3 x	-12.8 x	(0.86)	-19.7 x				
MAX					1.6%	163%	69%	86%	35,183	23818%	1468%	46.0 x	3463.6 x	16.9 x	25.41	11.7 x				
NANO ENVIRONMEN	IT																			
1 MON	57.15	31,292	33,156	540	0.9%	52%	22%	-30%	10,763	-2%	-5%	3.1 x	8.2 x	2.3 x	19.56	2.9 x	3.90	3.74	2.54	22.5 x
2 POT	141.79	42,440	46,708	297	1.7%	8%	41%	31%	5,746	-58%	44%	8.1 x	12.9 x	2.4 x	23.54	6.0 x	11.0		5.53	25.7 x
3 ADM	33.54	21,351	25,236	639	0.4%	1%	28%	7%	63,975	-6%	-2%	0.4 x	0.9 x	0.2 x	22.86	1.5 x	3.05	3.14	3.06	11.0 x
4 SYT	56.46	27,060	29,158	473	0.1%	2% 5%	24%	0%	11,332	-5%	3%	2.6 x	3.6 x	1.2 x	14.28 20.27	4.0 x	3.25	3.15	3.06	18.4 x
5 MOS 6 NLC	65.96 26.50	29,640 3,671	28,390 6,460	446 138	0.6%	10%	43% 24%	10% 4%	8,070 4,113	-19% -11%	-2% 10%	3.5 x 1.6 x	9.0 x 2.0 x	0.8 x 1.1 x	3.37	3.3 x 7.9 x	5.03 1.24	3.26 0.92	2.88 1.51	22.9 x 17.5 x
7 FMC	70.18	5,097	5,620	72	0.6%	2%	29%	26%	3,063	-9%	8%	1.8 x	2.4 x	0.9 x	15.94	4.4 x	4.63	4.15	4.76	14.8 x
8 DAR	9.83	811	774	82	0.7%	4%	31%	17%	663	-26%	11%	1.2 x	2.1 x	0.3 x	3.76	2.6 x	0.78	0.51	0.59	16.8 x
9 FTEK	6.16	149	130	24	0.3%	100%	16%	-25%	78	-12%	10%	1.7 x	10.9 x	1.5 x	3.33	1.9 x	0.15	(0.10)	0.02	308.0 x
10 VRNM	4.00	47	184	12	12.1%	66%	46%	-11%	63	-5%	-4%	2.9 x	10.5 x	1.6 x	(2.82)	-1.4 x	(14.8	3) (2.58)	(1.94)	N/A
11 PENX	6.19	69	95	11	0.2%	96%	27%	-29%	256	-20%	1%	0.4 x	1.3 x	0.3 x	7.59	0.8 x	(1.00	(0.56)	(0.38)	N/A
12 MBLX	14.85	390	322	27	0.6%	24%	42%	34%	2	-8%	66%	136.2 x	381.1 x	14.2 x	1.50	9.9 x	(1.58	(1.62)	(1.37)	N/A
13 QTWW	0.47	90	106	189	0.3%	220%	18%	-58%	16		16%	6.5 x	13.7 x	0.5 x	0.16	3.0 x	(0.49	,	(0.20)	N/A
14 ADES	6.30	46	37	7	0.2%	51%	67%	3%	16	24%	-21%	2.4 x	13.7 x	0.4 x	2.64	2.4 x	(0.67	(1.26)	(1.62)	N/A
AVERAGE		44.503	12.500		4 40/	400/	220/	40/	7.725	110/	40/	1.0	22.7	20	0.74	25				
AVERAGE		11,582	12,598		1.4%	46%	33%	-1%	7,725	-11%	1%	1.6 x	33.7 x	2.0 x	9.71	3.5 x				
MIN				1	0.1%	1%	16%	-58%	2	-58%	-21%	0.4 x	0.9 x	0.2 x	(2.82)	-1.4 x	1 1			
MAX				1	12.1%	220%	67%	34%	63,975	24%	66%	136.2 x	381.1 x	14.2 x	23.54	9.9 x	1 1			
NANO FINANCIALS																				
1 ARWR	0.99	73	61	71	0.2%	87%	49%	87%	1	55%	-77%	89.9 x	815.5 x	5.3 x	0.14	6.9 x	1 1			
2 TINY	4.18	132	126	31	0.3%	32%	11%	-9%	-	-	-	-	-	-	4.51	0.9 x	1 1			
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Source: FactSet and Cedrus Investments Ltd.

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