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CAMTEK LTD. ANNOUNCES RESULTS FOR Q2 2008

Revenues of \$22.7 million; 48% growth over last year

MIGDAL HAEMEK, Israel – August 12, 2008 – Camtek Ltd. (NASDAQ: CAMT, TASE: CAMT), today announced its results for the second quarter ended June 30, 2008.

Revenues for the second quarter of 2008 were \$22.7 million, 48% above \$15.3 million in the second quarter of 2007, and up 7% sequentially from \$21.3 million reported in the first quarter of 2008. Gross profit margin for the second quarter of 2008 was 38.9%, compared to 40.8% for the second quarter of 2007, and 44.5% for the first quarter of 2008.

The Company reported a second quarter net loss of \$0.5 million, or \$0.016 per share, compared to a net loss of \$3.5 million, or \$0.115 per share, in the second quarter of last year, and a net income of \$0.5 million, or \$0.016 per diluted share, in the first quarter of 2008.

Rafi Amit, Camtek's CEO, commented, "Our sales to the semiconductor manufacturing and packaging industries grew 27% over the previous quarter, while our revenues from the PCB market declined moderately. This is a considerable achievement given the background of on-going weakness in the capital equipment industry and the global economic uncertainty. We can attribute the growth in sales of semiconductor inspection products to the enhanced competitiveness of our new Falcon models, as well as to an apparent need for additional inspection for existing production lines to support increased volume of technologically-advanced products."

Mr. Amit added, "As pleased as we are with our top line, our gross margin and bottom line were impacted by a number of factors beyond our control. These included increasing freight and raw material costs and the further weakening of the US dollar against the Israeli shekel. We are implementing tighter control over our expenses, while continuing our investment in research and development, and decided to raise our selling prices by 5% on average. We do not expect this raise to have a significant impact on the market demand for our products", added Mr. Amit

Mr. Amit concluded, "Based on the concerns of a global economic slowdown and their potential effects on our industry, we opt to take a conservative approach and estimate revenues in the third quarter of 2008 between 18 and 20 million dollars."

Camtek also announced that Ms. Mira Rosenzsweig will join Camtek's management in September 2008. She will replace Ms. Ronit Dulberg as the company CFO after a transition period. Mr. Amit commented, "I would like to thank Ronit for her significant contribution over the past years, and to welcome Mira on board."

Camtek will hold a conference call today, Tuesday August 12, 2008 at 9:00 EDT. Rafi Amit, CEO, and Ronit Dulberg, CFO, will host the call and will be available to answer questions.

To participate, please call one of the following telephone numbers at least 10 minutes before the start of the call.

US: 1 888 935 4577 at 9:00 a.m. Eastern Time Israel: 1 809 246 002 at 4:00 p.m. Israel Time

International (US): +1 718 354 1389

For those unable to participate, the teleconference will be available for replay on Camtek's website www.camtek.co.il beginning 24 hours after the call.

ABOUT CAMTEK LTD.

With headquarters in Migdal Ha'Emek Israel, Camtek Ltd., designs, develops, manufactures, and markets automatic optical inspection systems and related products. Camtek's automatic inspection systems are used to enhance both production processes and yield for manufacturers in the printed circuit board industry, the high density interconnect substrate industry and the semiconductor manufacturing and packaging industry. This press release is available at www.camtek.co.il.

This press release may contain projections or other forward-looking statements regarding future events or the future performance of the Company. These statements are only predictions and may change as time passes. We do not assume any obligation to update that information. Actual events or results may differ materially from those projected, including as a result of changing industry and market trends, reduced demand for our products, the timely development of our new products and their adoption by the market, increased competition in the industry, price reductions as well as due to risks identified in the documents filed by the Company with the SEC.

CONTACT INFORMATION

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(in thousands, except share data)

	June 2008	December 2007
	U.S. Dollars	
<u>ASSETS</u>		
CURRENT ASSETS		
Cash and cash equivalents	20,670	18,601
Marketable securities	-	1,395
Accounts receivable, net	28,272	23,500
Inventories	33,431	34,243
Due from affiliates	363	251
Other current assets Deferred tax	2,562 124	2,616 124
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Total current assets	85,422	80,730
Fixed assets, net	14,840	15,325
Marketable securities	500	1,075
Deferred tax	612	612
Other assets	1,218	723
	2,330	2,410
Total assets	102,592	98,465
LIABILITIES		
CURRENT LIABILITIES		
Convertible loan	1,667	1,667
Accounts payable –trade	10,379	7,960
Due to affiliates	557	866
Other current liabilities	13,309	11,465
Total current liabilities	25,912	21,958
Convertible loan	3,333	3,333
Liability for employee severance benefits	308	268
Total liabilities	29,553	25,559
SHAREHOLDERS' EQUITY Ordinary shares NIS 0.01 par value, authorized 100,000,000 shares, issued 31,149,934 in 2008 and 31,145,334 in 2007, outstanding 30,138,315 in 2008 and 30,133,715 in 2007.	132	132
Additional paid-in capital Accumulated other comprehensive loss Unrealized loss on marketable securities	60,016	59,878
Retained earnings	13,884	13,889
	74,032	73,899
Treasury stock, at cost (1,011,619 shares in 2008 and 2007)	(993)	(993)
Total shareholders' equity	73,039	72,906
Total liabilities and shareholders' equity	102,592	98,465

(in thousands, except share data)					
	Six Months ended June 30,		Three Months ended June 30,		Year ended December 31,
	2008	2007	2008	2007	2007
			U.S. dollars		U.S. dollars
Revenues	43,945	29,776	22,653	15,307	70,969
Cost of revenues	25,649	17,523	13,834	9,061	41,940
Gross profit	18,296	12,253	8,819	6,246	29,029
Research and development costs Selling, general and administrative expenses	6,340	6,795	3,345	3,047	12,111
	12,329	13,000	5,961	6,356	24,119
	18,669	19,795	9,306	9,403	36,230
Operating loss	(373)	(7,542)	(487)	(3,157)	(7,201)
Financial income (expenses), net	522	(179)	56	(312)	(128)
Income (less) hefere income					
Income (loss) before income taxes	149	(7,721)	(431)	(3,469)	(7,329)
Income tax	(154)	(84)	(67)	(18)	(362)
Net loss	(5)	(7,805)	(498)	(3,487)	(7,691)
Net loss per ordinary share:					
Basic		(0.26)	(0.02)	(0.11)	(0.25)
Diluted		(0.26)	(0.02)	(0.11)	(0.25)
Weighted average number of ordinary shares outstanding:	_	_	_	_	
Basic	30,249	30,230	30,250	30,232	30,145
Diluted	30,249	30,230	30,250	30,232	30,145