Gentherm Incorporated (THRM)

January 19, 2015

Valuation

Company Overview

Gentherm Incorporated designs, develops, and manufactures thermal management technologies and cable systems worldwide. It operates through three segments: Climate Controlled Seats (CCS), Advanced Technology, and W.E.T. The CCS segment offers products with variable temperature seat climate control systems for individualized thermal comfort to automobile passengers. It also provides automotive heated and cooled cup holders, and heated and cooled mattress products. This segment sells its products primarily to automobile and light truck original equipment manufacturers (OEMs), or their tier one suppliers. The Advanced Technology segment is engaged in the advanced research and development activities to improve the efficiency of thermoelectric devices, as well as to develop, market, and distribute products based on these new technologies. The W.E.T. segment manufactures automotive seat comfort systems, specialized automotive cable systems, and other non-automotive product solutions. Its automotive seat comfort products include automotive seat heaters climate comfort systems, and steering wheel heater systems

Margin of Safety

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Current Price	\$ 37.67
NCAV	\$ 1.43
Total Net Reprod. Cost	\$ 12.49
Earnings Power Value (EPV)	\$ 9.30
Discounted Cash Flow (DCF)	\$ 30.03
EBIT Multiple Valuation	\$ 30.67
Katsenelson Absolute PE	\$ 35.11
Ben Graham Formula	\$ 46.30
Koy Statistics	

Key Statistics	
Mkt Cap (\$M)	\$ 1,344.82
Enterprise Value (\$M) TTM	\$ 1,395.95
52 Wk High	\$ 52.29
52 Wk Low	\$ 22.84
% off 52Wk Low	64.9%

Cash Flows	
Free Cash Flow	
5 yr FCF Growth	55.5%
10 yr FCF Growth	32.7%

Effectiveness	
CROIC	Latertier
Avg	<u>11.4%</u>
FCF/S	mhatia
Avg	<u>5.0%</u>
ROA	
Avg	<u>4.1%</u>
ROE	
Avg	<u>14.6%</u>

Efficiency	
Receivables Turnover (TTM)	5.9
Inventory Turnover (TTM)	7.5
Days Sales Outstanding (TTM)	68.1



Company Stats	
Industry: Auto Parts	
Earnings Date	30-Oct-14
Shares Outstanding	36
Shares Float	35
Insider Ownership	1.50%
Insider Transactions	-37.5%
Institutional Ownersh	91.3%
Float Short	2.7%
Short Ratio	1.9
Piotroski (TTM)	7
Altman (MRQ)	4.0
Beneish (TTM)	-2.9

Margins & Prof	itability
Gross	
Gross Margin	29.0%
Operating	th
Operating Margin	11.6%
Net Profit	التستنيد
Net Margin	7.8%

Financial Strength	n (MRQ)
Current Ratio(MRQ)	2.2
Quick Ratio(MRQ)	1.7
LTD/Eq(MRQ)	0.3
Tot D/Eq(MRQ)	0.3

%ld school value

Figures in Millions except per share values



\$60.00	Pri	ce vs DCF	Intrinsic	Value	
\$50.00					
\$40.00					/\
\$30.00					<u>_</u>
\$20.00		_JMt		 M 44	f
\$10.00	and the same	, , , , , , , , , , , , , , , , , , ,	MANAGE AND ASSESSED.	, m.	,
40.00	_	•	V *		
\$0.00 —					
\$0.00 —— Jan-04	Jan-06	Jan-08	Jan-10	Jan-12	Jan-14

Fundamental Ratios	2012	2013	TTM
<u>P/E</u>	22.92	25.64	21.92
P/E (cash adjusted)	19.66	24.02	20.87
EV/EBITDA	6.92	10.75	11.28
EV/EBIT	12.54	17.97	15.68
P/S	0.74	1.31	1.73
P/BV	2.53	3.74	4.88
P/Tang BV	9.94	7.06	7.92
P/CF	5.89	9.78	12.33
P/FCF	40.66	36.23	31.20
FCF/S	1.8%	3.6%	5.6%
FCF Yield	2.5%	2.8%	3.2%
Magic Earnings Yield	8.0%	5.6%	6.4%
ROE	11.0%	14.6%	21.9%
ROA	4.1%	7.0%	11.0%
ROIC	12.5%	12.0%	17.0%
CROIC	4.6%	7.6%	11.7%
Current Ratio	2.07	1.76	2.17
Total Debt/Equity Ratio	0.35	0.35	0.34
Inventory Turnover	8.25	8.26	7.48

	Tot D/Eq(MRQ)		0.3	0.3							
Selected Financial Statements (In Millions, Except per Share Amounts)	2009		2010	_	2011		2012		2013		TTM/Latest
Revenue	\$ 61	\$	112	\$	370	\$	555	\$	662	\$	788
Gross Profit	\$ 16	\$	33	\$	95	\$	142	\$	175	\$	229
Margin %	25.87%		29.13%		25.70%		25.57%		26.40%		29.05%
R&D	\$ 6	\$	10	\$	30	\$	41	\$	50	\$	56
Margin %	9.84%		8.59%		8.04%		7.38%		7.53%		7.08%
Operating Income	\$ 1	\$	12	\$	18	\$	36	\$	50	\$	17
Margin %	1.49%		10.79%		4.82%		6.50%		7.49%		2.21%
Net Income	\$ 1	\$	10	\$	10	\$	18	\$	34	\$	61
Margin %	1.19%		8.85%		2.61%		3.22%		5.11%		7.77%
Earnings Per Share Basic	\$	\$	0.46		0.43		0.63		1.00	\$	1.75
Diluted	\$ 0.03	\$	0.44	\$	0.41	\$	0.62	\$	0.99	\$	1.72
Weighted Average Diluted Shares Outstanding	21.77		22.50		23.46		28.86		34.12		36.27
Dividends Per Share	\$ -	\$	-	\$	-	\$	-	\$	-	\$	_
Dividend Yield	0.00%		0.00%		0.00%		0.00%	·	0.00%	Ċ	0.00%
Net Cash From Operating Activities	\$ 4	\$	12	\$	34	\$	37	\$	60	\$	77
(Dollars in Millions)											
Net Property, Plants & Equipment	\$ 3	\$	4	\$	45	\$	55	\$	79	\$	89
Total Assets	\$ 62	\$	79	\$	375	\$	439	\$	482	\$	558
Long-term Debt	\$ -	\$	-	\$	62	\$	40	\$	61	\$	90
Stockholders' Equity	\$ 48	\$	58	\$	61	\$	162	\$	232	\$	280

Genther (THRM) 1/19/2015	m Incorporated	Click to Watch Video Tutoria									%ld school valu			
Enter Tic	ker Refresh		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TTM	
Income	Statement Revenue		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Cost of Revenues	~~	74.0%	70.2%	67.4%	66.5%	70.9%	74.1%	70.9%	74.3%	74.4%	73.6%	71.0%	
	Gross Profit		26.0%	29.8%	32.6%	33.5%	29.1%	25.9%	29.1%	25.7%	25.6%	26.4%	29.0%	
	Operating Expenses													
	Selling, General & Admin. Expenses		16.8%	15.3%	15.1%	13.4%	11.3%	14.5%	9.7%	11.4%	11.7%	11.0%	10.4%	
	Research & Development EBITDA		6.8% 4.4%	7.4% 8.4%	6.7% 11.9%	8.0% 13.1%	10.7% 9.3%	9.8% 3.9%	8.6% 12.0%	8.0% 12.6%	7.4% 12.0%	7.5% 12.6%	7.1% 15.7%	
	Other Special Charges	/	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	
	Depreciation & Amortization		2.0%	1.2%	1.0%	1.0%	2.2%	2.4%	1.2%	6.3%	5.5%	4.7%	4.1%	
	Operating Income	/~	2.4%	7.2%	10.9%	12.1%	7.2%	1.5%	10.8%	4.8%	6.5%	7.5%	2.2%	
	Other Income and Expense	~												
	Interest Expense Other Income		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9% 0.4%	0.7%	0.5% -0.4%	-0.3%	
	Earnings Before Taxes	<u> </u>	3.2%	8.5%	12.3%	13.9%	8.6%	1.0%	10.9%	4.3%	5.9%	7.0%	10.9%	
	Income Taxes/(Credit)	<u></u>	0.0%	-37.8%	5.3%	2.3%	3.0%	0.5%	2.6%	1.3%	1.5%	1.7%	3.1%	
	Earnings After Taxes	<u>/\</u>	3.2%	46.3%	6.9%	11.6%	5.6%	0.5%	8.3%	3.0%	4.4%	5.3%	7.8%	
	Minority Interest Net Income From Continuing	Λ_	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.5%	0.4%	1.2%	0.2%	0.0%	
	Operations Net Income From Discontinued	,	3.2%	46.3%	6.9%	11.6%	5.6%	0.5%	8.3%	3.0%	4.4%	5.3%	7.8%	
	Operations	Λ	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	Net Income From Total Operations	/ ~~~	3.2%	46.3%	6.9%	11.6%	5.6%	1.2%	8.9%	2.6%	3.2%	5.1%	7.8%	
Balance	Sheet												MRQ	
	Assets													
	Cash & Equivalents Short-Term Investments	Z	6.6% 40.0%	3.7% 26.8%	5.8% 28.5%	2.1% 42.7%	48.1% 0.0%	34.7% 10.7%	33.5% 12.3%	6.4% 0.0%	13.2% 0.0%	11.4% 0.0%	11.7%	
	Net Receivables	~~~	29.2%	21.2%	22.0%	20.8%	15.8%	24.2%	23.8%	22.0%	23.3%	24.5%	26.4%	
	Inventories	~~	11.7%	7.3%	10.3%	4.0%	5.0%	4.1%	8.6%	12.4%	12.2%	13.3%	13.4%	
	Other Current Assets	←	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	
	Total Current Assets Fixed Assets		89.5% 8.5%	62.8% 3.2%	76.3% 4.7%	77.5% 7.1%	71.6% 8.1%	76.5% 5.2%	86.2% 5.3%	47.4% 11.9%	55.1% 12.5%	56.0% 16.4%	58.9% 15.9%	
	Intangible Assets	~	2.0%	1.4%	2.0%	4.8%	6.0%	6.0%	5.9%	27.7%	21.8%	17.3%	13.9%	
	Other Long-Term Assets		0.0%	0.0% 37.2%	0.0%	0.0%	0.4% 28.4%	0.9%	1.1%	3.0% 52.6%	3.7%	3.4% 44.0%	2.4%	
	Total Long-Term Assets Total Assets	~~	10.5%		23.7%	22.5%		23.5%	13.8%		44.9%		41.1%	
			100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Liabilities & Stockholders' Equi Accounts payable	ty	19.6%	14.3%	13.2%	15.4%	7.4%	16.4%	19.2%	11.3%	9.7%	12.8%	13.2%	
	Short-Term Debt		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	3.9%	4.4%	0.9%	
	Taxes Payable		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.1%	0.1%	
	Accrued Liabilities Other Current Liabilities		9.9% 1.2%	6.0% 0.5%	6.5% 0.5%	7.1% 0.4%	5.9% 0.4%	6.0% 0.0%	7.4% 0.1%	12.3% 1.4%	10.4% 2.6%	12.2% 2.2%	12.4% 0.5%	
	Total Current Liabilities	—	30.7%	20.8%	20.2%	22.9%	13.6%	22.7%	26.7%	29.8%	26.7%	31.8%	27.1%	
	Long-Term Debt	~	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.5%	9.0%	12.6%	16.1%	
	Other Liabilities	~~	0.0%	2.3%	1.5%	0.8%	0.7%	0.7%	0.9%	6.1%	10.3%	3.7%	3.0%	
	Deferred Income Taxes Total Long-Term Liabilities		0.0% 6.4%	0.0% 2.3%	0.0%	0.0%	0.0% 0.7%	0.0%	0.0%	6.3% 54.0%	5.0% 36.5%	3.7% 20.1%	3.5% 22.6%	
	Total Liabilities	~	37.2%	23.1%	21.8%	23.7%	14.4%	22.7%	27.6%	83.8%	63.2%	51.8%	49.8%	
	Retained Earnings		-426.6%	-142.2%	-116.6%	-75.1%	-73.2%	-60.6%	-35.0%	-7.6%	-4.0%	3.1%	11.7%	
	Preferred Equity Total Equity		50.7% 62.8%	22.2% 76.9%	0.0% 78.2%	0.0% 76.3%	0.0% 85.6%	0.0% 77.3%	0.0% 72.4%	0.0% 16.2%	0.0% 36.8%	0.0% 48.2%	0.0% 50.2%	
	Total Liabilities & Equity		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
a		<u> </u>	100.070	100.070	100.076	100.078	100.0 %	100.070	100.070	100.070	100.070	100.070		
Cash Fl	ows Statement Cash Flows From Operating Ac	tivities											TTM	
	Net Income	^	34.9%	656.7%	72.9%	51.8%	64.3%	6.7%	75.5%	32.7%	66.0%	58.8%	79.9%	
	Depreciation & Amortization	~~`	21.8%	17.5%	10.1%	4.6%	24.8%	33.8%	11.0%	68.0%	83.1%	52.3%	42.2%	
	Deferred Taxes Other	<u>~~</u>	0.0%	-538.8% 0.0%	52.1% 15.6%	9.2% 7.4%	25.8% 18.5%	6.1% 29.2%	15.1% 12.3%	-1.8% 0.2%	2.1% 4.4%	-0.1% -0.2%	-6.8% 3.2%	
	Net Cash From Operating Activities		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Cash Flows From Investing Act	ivities									1001070			
	Capital Expenditures	~~~	8.9%	10.5%	38.7%	28.3%	-11.1%	18.1%	18.1%	9.2%	75.7%	42.3%	49.6%	
	Acquisitions		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.0%	97.8%	0.0%	57.4%	50.6%	
	Sale of Assets	·	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.2%	
	Net Cash From Investing Activities		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Cash Flows From Financing Ac Issuance of Capital Stock	tivities	100.0%	100.9%	100.0%	100.0%	-20.9%	101.1%	100.0%	75.7%	235.0%	25.4%	43.4%	
	Repurchase of Capital Stock	_~_	0.0%	0.0%	0.0%	0.0%	-20.9% 120.9%	0.0%	0.0%	-10.7%	-79.3%	-48.4%	0.0%	
	Net Issuance of Stock		100.0%	100.9%	100.0%	100.0%	100.0%	101.1%	100.0%	65.0%	155.7%	-23.0%	43.4%	
	Issuance of Debt	~~~	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	161.5%	10.2%	241.6%	468.7%	
	Repayment of Debt Net Issuance of Debt	~~	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-129.5% 32.0%	-70.7% - 60.4%	-129.6% 112.0%	-437.4% 31.3%	
	Dividends Paid	$\overline{}$	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	0.0%	0.0%	

100.0%

100.0%

100.0%

100.0%

100.0%

100.0%

100.0%

100.0%

Cash from Financing

-2.69

-2.46

-2.39

0.86

-2.69

Gentherm Incorporated (THRM)

Beneish M Score (8 Variable)

1/19/2015

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Enter Ticker Refresh 2005 2010 2011 2012 2013 TTM 5YR Min Median 5YR Max 2004 2006 2007 2008 2009 **Valuation Ratios** P/E 57.33 5.17 57.32 50.25 23.78 281.25 24.78 35.00 22.92 25.64 21.92 21.92 **25.21** 281.25 22.57 241.99 P/E (cash adjusted) 50.15 4.49 53.19 46.85 16.68 241.99 21.13 32.53 19.66 24.02 20.87 19.66 EV/EBITDA 43.14 27.41 31.14 41.34 10.03 74.39 15.57 9.36 6.92 10.75 11.28 6.92 11.01 74.39 EV/EBIT 39.07 10.81 286.57 12.54 17.55 286.57 58.95 27.02 30.11 17.12 22.42 12.54 17.97 15.68 P/S 1.86 2.39 3.98 5.82 1.33 3.34 2.19 0.91 0.74 1.31 1.73 0.74 1.52 3.34 P/BV 5.93 2.99 6.07 8.68 1.88 4.22 4.29 5.58 2.53 3.74 4.88 2.53 4.25 5.58 P/Tang BV 6.13 3.04 6.23 9.26 2.02 4.57 4.66 -5.01 9.94 7.06 7.92 -5.01 5.86 9.94 P/CF 28.91 4.59 47.31 34.07 15.78 111.23 21.12 8.39 9.78 12.33 5.89 11.05 111.23 P/FCF 25.51 40.89 61.04 38.81 14.35 40.66 14.35 33.71 75.90 26.66 75.90 23.31 36.23 31.20 FCF/S 7.3% 5.9% 6.5% 15.0% 5.0% 4.4% 9.4% 6.4% 1.8% 3.6% 5.6% 1.8% 5.0% 9.4% FCF Yield 3.9% 2.4% 1.6% 2.6% 3.8% 1.3% 4.3% 7.0% 2.5% 2.8% 3.2% 1.3% 3.0% 7.0% Magic Formula Earnings Yield 8.0% 1.7% 2.6% 9.3% 0.3% 5.8% 4.5% 8.0% 5.6% 6.4% 0.3% 5.7% 3.7% 3.3% 10.3% 57.8% 10.6% 17.3% 17.3% 15.9% 14.6% ROE 7.9% 1.5% 11.0% 21.9% 1.5% 15.3% 21.9% 11.0% ROA 6.5% 44.4% 8.3% 13.2% 6.8% 1.2% 12.5% 2.6% 7.0% 1.2% 5.5% 12.5% ROIC 9.4% 57.8% 10.6% 17.3% 7.9% 0.6% 16.3% 10.0% 12.5% 12.0% 17.0% 0.6% 12.3% 17.0% CROIC 21.1% 9.9% 22.4% 7.1% 17.2% 18.4% 7.3% 5.6% 18.4% 4.6% 7.6% 4.6% 9.6% 11.7% GPA (Gross Profitability to Assets) 52.2% 28.6% 38.9% 38.1% 35.2% 25.3% 41.2% 25.3% 32.3% 36.3% 41.1% 25.3% 34.3% 41.2% Book to Market 16.9% 33.5% 16.5% 11.5% 53.1% 23.7% 23.3% 17.9% 39.5% 26.8% 20.5% 17.9% 23.5% 39.5% Solvency Quick Ratio 2.67 3.26 3.21 4.88 1.61 1.68 1.64 Current Ratio 2.91 3.02 3.77 3.38 5.25 3.37 3.23 1.59 2.07 1.76 2.17 1.59 2.12 3.37 Total Debt/Equity Ratio 0.10 0.00 0.00 0.00 0.35 0.34 0.35 1.26 0.00 0.00 0.00 1.26 0.35 0.00 Long Term Debt/Equity Ratio 0.10 0.00 0.00 1.02 0.26 1.02 0.00 0.00 0.00 0.00 0.25 0.32 0.00 0.25 Short Term Debt/Equity Ratio 0.00 0.00 0.00 0.00 0.00 0.00 0.24 0.11 0.09 0.00 0.05 0.24 **Efficiency Ratios** Asset Turnover 0.96 1.19 1.14 1.21 0.98 1.42 0.99 1.26 1.37 1.41 0.98 1.32 1.42 Cash % of Revenue 31.7% 28.7% 39.4% 39.8% 46.6% 32.3% 6.5% 10.5% 8.3% 8.3% 6.5% 9.4% 46.6% 18.5% Receivables % of Revenue 14.6% 22.1% 18.4% 18.3% 13.0% 24.7% 16.9% 22.3% 18.4% 17.9% 18.7% 16.9% 24.7% 16.8% 15.1% 13.4% SG&A % of Revenue 15.3% 11.3% 14.5% 9.7% 11.4% 11.7% 11.0% 10.4% 9.7% 11.2% 14.5% R&D % of Revenue 6.8% 7.4% 6.7% 8.0% 10.7% 9.8% 8.6% 8.0% 7.4% 7.5% 7.1% 7.1% 7.8% 9.8% **Liquidity Ratios** 81.4 Days Sales Outstanding 53.1 80.6 67.3 67.0 47.6 90.3 61.5 67.3 65.2 61.50 67.67 90.30 68.1 Days Inventory Outstanding 28.7 39.5 46.8 19.1 21.4 20.5 31.3 61.6 47.5 48.1 20.53 47.80 61.60 Days Payable Outstanding 48.2 77.5 60.1 74.5 31.3 82.6 70.0 56.5 37.6 46.2 48.0 37.56 52.29 82.61 Cash Conversion Cycle 33.6 42.6 53.9 11.6 37.6 28.2 22.8 86.4 77.2 67.1 68.8 22.79 67.98 86.44 Receivables Turnover 6.87 5.88 6.06 6.37 7.29 5.22 7.29 5.65 5.22 6.61 6.01 6.00 5.94 6.01 Inventory Turnover 12.73 10.87 9.63 12.84 18.55 17.43 17.01 10.33 8.25 8.26 7.48 7.48 9.30 17.43 Average Age of Inventory (Days) 48.79 28.66 33.58 37.89 19.67 20.94 35.33 44.23 48.79 20.94 39.76 Intangibles % of Book Value 3.3% 1.9% 2.5% 7.0% 7.7% 7.7% **42.7%** 211.3% 6.3% 8.1% 211.3% 74.5% 47.1% 38.4% Inventory % of Revenue 5.8% 7.6% 8.6% 3.5% 4.2% 4.2% 6.1% 12.5% 9.7% 9.7% 9.5% 4.2% 9.6% 12.5% **Capital Structure Ratios** LT-Debt as % of Invested Capital 9.3% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 45.1% 18.2% 19.4% 24.0% 0.0% 18.8% 45.1% 0.0% 0.0% 0.0% 10.6% ST-Debt as % of Invested Capital 0.0% 0.0% 0.0% 0.0% 10.6% 7.9% 6.8% 1.3% 0.0% 4.1% LT-Debt as % of Total Debt 100.0% 0.0% 0.0% 0.0% 0.0% 0.0% 74.0% 0.0% 94.9% 0.0% 80.9% 69.8% 94.9% 71.9% ST-Debt as % of Total Debt 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 19.1% 30.2% 26.0% 5.1% 0.0% 12.1% 30.2% Total Debt % of Total Assets 6.4% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 20.3% 13.0% 17.1% 0.0% 15.0% 20.3% 17.0% Working Capital % of Price 15.8% 18.3% 11.8% 8.2% 16.5% 19.2% 13.5% 13.0% 13.0% 17.8% 30.5% **Quality Scores** Piostroski F Score 6.00 6.00 7.00 6.00 7.00 7.00 7.00 5.00 3.00 7.00 6.00 7.00 3.00 6.50 2.97 Altman Z Score (Original) 5.71 13.82 18.01 7.95 9.43 8.91 2.71 4.13 3.97 1.91 4.05 9.43 Altman Z Score (Revised) 0.91 9.12 23.79 31.50 13.89 16.71 15.63 3.85 6.03 7.86 2.38 6.94 16.71 6.76 -3.05 -2.83 -2.88 -2.97 1.31 -2.82 -2.89 -2.87 Beneish M Score (5 Variable) -2.18 -2.97 -2.85 1.31

6.28

-2.57

-2.90

-2.60

-2.25

-2.45

0.86

-2.34

Enter Ticker





Figures in Millions except per share values

Earnings Quality Check with Accrual Analysis

Earnings growth due to accrual growth is not sustainable. This is like cookie ar accounting where a company "borrows" earnings from the future to make earnings look good today.

Balance sheet accrual can indicate whether capital is being used properly. A company with high accruals can come from acquiring or merging with companies which expands the asset base. Low balance sheet accrual companies tend to shrink their balance sheet through spin offs, share repurchases or large write offs. In these situations, it is usually removing bad performing assets or returning money to shareholders which is always a good use of capital.

High accruals indicate that the company has expanded its asset base rapidly.

Companies with high balance sheet accruals tend to have higher sales growth than low balance sheet accrual companies.

High balance sheet accruals also have a higher ROE.

Remember that maintaining a high sales growth or high ROE is difficult unless you have an entrenched moat. Such companies revert to the mean and disappoint..

Companies with low balance sheet accruals tend to have below average returns on equity. Analysts expect the company to lag.

Color Coding: Green = safe zone, Yellow = ratio is getting into warning zone, Red = Danger zone. Ratios are too high or low. Requires check.

More reading: http://tinyurl.com/6p394ap http://tinyurl.com/7ucpoe2

Balance Sheet Accrual Ratio Cash Flow Accrual Ratio Sloan Accrual Ratio	2004 - - 2.8%	2005 91.1% 96.6% 48.6%	2006 11.9% 9.0% 6.2%	2007 29.9% 26.8% 17.3%	-	2008 71.2% 76.2% 44.4%		2009 29.5% 22.4% 8.3%		2010 15.3% 26.4% 9.5%	1	2011 14.0% 27.0% 24.4%	2012 34.8% 12.0% 3.7%	2	2013 17.1% 27.9% 2.2%	1	TM/MRQ 17.6% 17.9% 9.1%
Earnings	\$ 0.07	\$ 1.03	\$ 0.17	\$ 0.33	\$	0.16	\$	0.03	\$	0.44	\$	0.41	\$ 0.62	\$	0.99	\$	1.72
Stock Price	\$	\$ 5.3		16.4		3.8		9.3			\$	14.4	\$ 14.2	\$	25.4		37.7
Total Assets	\$ 16.3	\$ 37.3	\$ 42.4	\$ 56.0	\$	52.6	\$	62.4	\$	79.4	\$	374.9	\$ 439.2	\$	481.9	\$	557.7
Cash & Equivalent	\$ 1.1	\$ 1.4	\$ 2.4	\$ 1.2	\$	25.3	\$	21.7	\$	26.6	\$	23.8	\$ 58.2	\$	54.9	\$	65.2
Total Liabilities	\$ 6.1	\$ 8.6	\$ 9.2	\$ 13.3	\$	7.6	\$	14.1	\$	21.9	\$	314.3	\$ 277.4	\$	249.8	\$	277.6
Short Term Debt	\$ -	\$ -	\$ -	\$ -	\$	-	\$	-	\$	-	\$	14.6	\$ 17.2	\$	21.4	\$	4.8
Long Term Debt	\$ 1.1	\$ -	\$ -	\$ -	\$	-	\$	-	\$	-	\$	61.7	\$ 39.7	\$	60.9	\$	90.0
Net Operating Assets (NOA)	\$ 10.2	\$ 27.3	\$ 30.7	\$ 41.5	\$	19.7	\$	26.6	\$	31.0	\$	113.0	\$ 160.6	\$	259.5	\$	309.7
Net Income	\$ 1.1	\$ 16.5	\$ 3.5	\$ 7.4	\$	3.6	\$	0.7	\$	10.0	2	9.7	\$ 17.9	\$	33.8	\$	61.2
CFO	\$ 3.0	\$ 2.5	\$ 4.8	\$ 14.2		5.5		4.3				34.2		\$	59.8		76.6
CFI	\$ (7.3)	 (4.1)	 (3.9)	(16.5)		21.4		(8.7)				(116.0)	 (35.4)	\$	(84.7)		(66.2)
Balance Sheet Aggregate Accrual	\$	\$ 17.1	\$ 3.4	\$ 10.8	\$	(21.8)	S	6.8	: \$	4.4	\$	82.0	\$ 47.6	S	98.9	S	50.2
Cash Flow Aggregate Accrual	\$ -	\$ 18.1	 2.6	9.7		(23.3)		5.2				91.4	16.4		58.7		50.8

Piotroski Score											
Piotroski F Scores	2004 6	2005 6	2006 7	2007 6	2008 7	2009 5	2010 7	2011 3	2012 7	2013 6	ттм 7
Piotroski 1: Net Income	1	1	1	1	1	1	1	1	1	1	1
Piotroski 2: Operating Cash Flo	1	1	1	1	1	1	1	1	1	1	1
Piotroski 3: Return on Assets	1	1	0	1	0	0	1	0	1	1	1
Piotroski 4: Quality of Earnings	1	0	1	1	1	1	1	1	1	1	1
Piotroski 5: LT Debt vs Assets	1	1	1	1	1	1	1	0	1	0	0
Piotroski 6: Current Ratio	1	1	1	0	1	0	0	0	1	0	1
Piotroski 7: Shares Outstanding	0	0	0	0	1	1	0	0	0	0	0
Piotroski 8: Gross Margin	0	1	1	1	0	0	1	0	0	1	1
Piotroski 9: Asset Turnover	0	0	1	0	1	0	1	0	1	1	1

Altman Z Score

The Z-score formula may be used to predict the probability that a firm will go into bankruptcy within two years.

Z-scores are used to predict corporate defaults and an easy-to-calculate control measure for the financial distress status of companies in academic studies. The Z-score uses multiple corporate income

The main problem with the Altman Z formula is that the formula is not suited for many industries. Industries that operate with high leverage, such as radio and utilities will show a higher risk of bankruptcv

Also, industries with negative working capital, such as many retail and restaurant companies will also exhibit the same high level of bankruptcy.

(Wikipedia http://en.wikipedia.org/wiki/Z-Score_Financial_Analysis_Tool)

Z = 1.2*X1 + 1.4*X2 + 3.3*X3 + 0.6*X4 + 1.0*X5

There is also a revised Altman Z score which is adjusted for non manufacturing corporations. The revised formula is:

Z = 6.56*X1 + 3.26*X2 + 6.72*X3 + 1.05*X4

- X1 = Working Capital/Total Assets
- X2 = Retained Earnings/Total Assets
- X3 = EBITDA/Total Assets
- X4 = Market Value of Equity/Total Liabilities
- X5 = Net Sales/Total Assets

										Annu	al									MRQ	MRG
		2004		2005		2006		2007		2008		2009	2010		2011	2012		2013		Q3	
Working Capital	\$	9.6	\$	15.6	\$	23.8	\$	30.5	\$	30.5	\$	33.5	\$ 47.2	\$	66.0	\$ 124.9	\$	116.8	\$	177.3	
Total Assets	\$	16.3	\$	37.3	\$	42.4	\$	56.0	\$	52.6	\$	62.4	\$ 79.4	\$	374.9	\$ 439.2	\$	481.9	\$	557.7	
Total Liabilities	\$	6.1	\$	8.6	\$	9.2	\$	13.3	\$	7.6	\$	14.1	\$ 21.9	\$	314.3	\$ 277.4	\$	249.8	\$	277.6	
Retained Earnings	\$	(69.5)	\$	(53.0)	\$	(49.4)	\$	(42.1)	\$	(38.5)	\$	(37.8)	\$ (27.8)	\$	(28.5)	\$ (17.4)	\$	14.8	\$	65.1	
EBITDA	\$	1.1	\$	3.1	\$	6.2	\$	8.8	\$	5.5	\$	0.6	\$ 12.3	\$	19.4	\$ 36.8	\$	49.8	\$	25.0	
Market Value of Equity	\$	60.7	\$	85.6	\$	201.4	\$	370.6	\$	84.8	\$	203.3	\$ 246.6	\$	338.0	\$ 409.6	\$	867.1	\$	1,344.8	
Net Sales	\$	32.7	\$	35.7	\$	50.6	\$	63.6	\$	63.6	\$	60.9	\$ 112.4	\$	369.6	\$ 555.0	\$	662.1	\$	206.0	
Normal Altman Z Score		2.97		5.71		13.82		18.01		7.95		9.43	8.91		1.91	2.71		4.13		3.97	
Revised Altman Z Score		0.91		9.12		23.79		31.50		13.89		16.71	15.63		2.38	3.85		6.03		7.86	
	Altman Z Score											F	Rev	ised Altm	nan	Z Score					

X1	0.24	0.32
X2	0.03	0.12
X3	0.10	0.04
X4	3.47	4.85
X5	1.37	0.37

Annual	MRQ
4.13	3.97



Original Altman Z Score

When Z is 3.0 or more, the firm is most likely safe based on the financial data. However, be careful to double check as fraud, economic downturns and other factors could cause

When Z is 2.7 to 3.0, the company is probably safe from bankruptcy, but this is in the grey area and caution should be taken.

When Z is 1.8 to 2.7, the company is likely to be bankrupt within 2 years. This is the lower portion of the grey area and a dramatic turnaround of the company is needed.

When Z is below 1.8, the company is highly likely to be bankrupt. If a company is generating lower than 1.8, serious studies must be performed to ensure the company can survive.

When Z is 2.6 or more, the firm is most likely safe based on the financial data. However, be careful to double check as fraud, economic downturns and other factors could cause unexpected reversals.

When Z is 1.1 to 2.6, the company is probably safe from bankruptcy, but this is in the grey area and caution should be taken.

When Z is below 1.1, the company is highly likely to be bankrupt. If a company is generating lower than 1.8, serious studies must be performed to ensure the company can survive.

The Beneish Model - M Score Variables

DSRI = Days' Sales in Receivables Index. Measured as the ratio of days' sales in receivables in year t to year t-1. A large increase in DSR could be indicative of revenue inflation.

GMI = Gross Margin Index. Measured as the ratio of gross margin in year t-1 to gross margin in year t. Gross margin has deteriorated when this index is above 1. A firm with poorer prospects is more likely to manipulate earnings.

AQÍ = Asset Quality Index. Asset quality is measured as the ratio of non-current assets other than plant, property and equipment to total assets. AQI is the ratio of asset quality in year t to year t-1.

SGI = Sales Growth Index. Ratio of sales in year t to sales in year t-1. Sales growth is not itself a measure of manipulation. However, growth companies are likely to find themselves under pressure to manipulate in order to keep up appearances

DEPI = Depreciation Index. Measured as the ratio of the rate of depreciation in year t-1 to the corresponding rate in year t, DEPI greater than 1 indicates that assets are being depreciated at a slower rate. This suggests that the firm might be revising useful asset life assumptions upwards, or adopting a new method that is income friendly.

SGAI = Sales, General and Administrative expenses Index. The ratio of SGA expenses in year t relative to year t -1.

LVGI = Leverage Index. The ratio of total debt to total assets in year t relative to yeat t-1. An LVGI >1 indicates an increase in leverage

TATA - Total Accruals to Total Assets. Total accruals calculated as the change in working capital accounts other than cash less depreciation.

The Beneish M Score Formula

The eight variables are then weighted together according to the following:

M = -4.84 + 0.92*DSRI + 0.528*GMI + 0.404*AQI + 0.892*SGI + 0.115*DEPI - 0.172*SGAI + 4.679*TATA - 0.327*LVGI

A score greater than -1.78 indicates a strong likelihood of a firm being a manipulator. In his out of sample tests, Beneish found that he could correctly identify 76% of manipulators, whilst only incorrectly identifying 17.5% of non-manipulators.

The 5 Variable Version of the Beneish Model

The five variable version excludes SGAI, DEPI and LEVI which were not significant in the original Beneish model.

M = -6.065 + 0.823*DSRI + 0.906*GMI + 0.593*AQI + 0.717*SGI + 0.107*DEPI

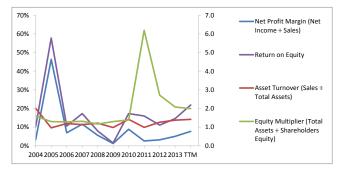
A score greater than -1.78 indicates a strong likelihood of a firm being a manipulator.

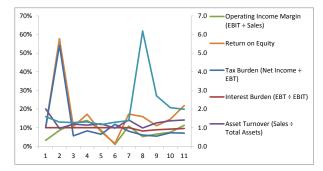
M Score - 5 Variable M Score - 8 Variable	2004 - -	2005 6.76 6.28	2006 -3.05 -2.57	2007 -2.83 -2.90	2008 -2.88 -2.60	2009 -2.18 -2.25	2010 -2.97 -2.45	2011 1.31 0.86	2012 -2.82 -2.34	2013 -2.89 -2.69	ттм -2.87 -2.46
DSRI	-	1.52	0.83	1.00	0.71	1.90	0.68	1.32	0.83	0.97	1.04
GMI	-	0.87	0.92	0.97	1.15	1.13	0.89	1.13	1.00	0.97	0.91
AQI	-	16.65	0.56	0.81	1.31	0.90	0.47	4.76	0.80	0.85	0.91
SGI	-	1.09	1.42	1.26	1.00	0.96	1.84	3.29	1.50	1.19	1.19
DEPI	-	1.19	1.38	1.40	0.58	0.80	1.24	0.72	0.96	1.26	1.06
SGAI	-	0.91	0.99	0.89	0.84	1.29	0.67	1.17	1.03	0.94	0.94
TATA	-	0.38	-0.03	-0.12	-0.04	-0.06	-0.04	-0.06	-0.03	-0.05	-0.03
LVGI	-	0.56	0.97	1.13	0.59	1.67	1.18	1.73	0.77	1.24	0.97

DuPont Analysis
Full tutorial, example and discussion of how the DuPont analysis is used is provided on the blog.

 $\underline{\text{http://www.oldschoolvalue.com/blog/accounting/dupont-analysis-model-spreadsheet/}}$

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TTM
Revenue	\$	32.7	\$ 35.7	\$ 50.6	\$ 63.6	\$ 63.6	\$ 60.9	\$ 112.4	\$ 369.6	\$ 555.0	\$ 662.1	\$ 788.4
EBIT	\$	1.1	\$ 3.1	\$ 6.2	\$ 8.8	\$ 5.5	\$ 0.6	\$ 12.3	\$ 19.4	\$ 36.8	\$ 49.8	\$ 89.0
EBT	\$	1.1	\$ 3.1	\$ 6.2	\$ 8.8	\$ 5.5	\$ 0.6	\$ 12.3	\$ 15.9	\$ 32.7	\$ 46.2	\$ 85.6
Interest Expense	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.5	\$ 4.1	\$ 3.5	\$ 3.4
Income Tax	\$	-	\$ (13.5)	\$ 2.7	\$ 1.5	\$ 1.9	\$ 0.3	\$ 2.9	\$ 4.7	\$ 8.4	\$ 11.1	\$ 24.4
Net Income	\$	1.1	\$ 16.5	\$ 3.5	\$ 7.4	\$ 3.6	\$ 0.7	\$ 10.0	\$ 9.7	\$ 17.9	\$ 33.8	\$ 61.2
Total Assets	\$	16.3	\$ 37.3	\$ 42.4	\$ 56.0	\$ 52.6	\$ 62.4	\$ 79.4	\$ 374.9	\$ 439.2	\$ 481.9	\$ 557.7
Shareholders Equity	\$	10.2	\$ 28.7	\$ 33.2	\$ 42.7	\$ 45.0	\$ 48.2	\$ 57.5	\$ 60.6	\$ 161.8	\$ 232.1	\$ 280.1
Three-Step DuPont Model:												
Net Profit Margin (Net Income ÷ Sales)		3.2%	46.3%	6.9%	11.6%	5.6%	1.2%	8.9%	2.6%	3.2%	5.1%	7.8%
Asset Turnover (Sales ÷ Total Assets)		2.01	0.96	1.19	1.14	1.21	0.98	1.42	0.99	1.26	1.37	1.41
Equity Multiplier (Total Assets + Shareh	Ġ	1.59	1.30	1.28	1.31	1.17	1.29	1.38	6.19	2.71	2.08	1.99
Return on Equity		10.3%	57.8%	10.6%	17.3%	7.9%	1.5%	17.3%	15.9%	11.0%	14.6%	21.9%
Five-Step DuPont Model:												
Tax Burden (Net Income ÷ EBT)		1.00	5.42	0.57	0.83	0.65	1.19	0.81	0.61	0.55	0.73	0.72
Interest Burden (EBT ÷ EBIT)		1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.82	0.89	0.93	0.96
Operating Income Margin (EBIT ÷ Sa	ĺ	3.2%	8.5%	12.3%	13.9%	8.6%	1.0%	10.9%	5.2%	6.6%	7.5%	11.3%
Asset Turnover (Sales ÷ Total Assets)		2.01	0.96	1.19	1.14	1.21	0.98	1.42	0.99	1.26	1.37	1.41
Equity Multiplier (Total Assets + Shareh	ė	1.59	1.30	1.28	1.31	1.17	1.29	1.38	6.19	2.71	2.08	1.99
Return on Equity		10.3%	57.8%	10.6%	17.3%	7.9%	1.5%	17.3%	15.9%	11.0%	14.6%	21.9%





Gentherm Incorporated (THRM) 1/19/2015

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Fiscal Comparisons	2005	2006	2007	2008	2009			2012	2013	TTM
Revenue	1	1	1	4	4	1	1	1	1	1
% difference	9.3%	41.6%	25.7%	0.0%	-4.2%	84.5%	228.8%	50.2%	19.3%	19.1%
Accounts receivable	1	1	1	4	1	1	1	1	1	1
% difference	65.7%	18.2%	25.1%	-29.0%	81.8%	25.7%	335.0%	24.1%	15.7%	24.3%
Inventories, raw materials	1	4	₩	4	V	-	^	V	1	1
% difference	16.8%	-65.4%	-49.8%	-42.6%	-100.0%	-	########	-2.7%	19.5%	36.7%
Inventories, work in progress	-	-	-	-	-	-	-	4	1	1
% difference	-	-	-	-	-	-	-	-1.4%	16.4%	50.9%
Inventories, purchased components	-	-	-	-	-	-	-	-	-	-
% difference	-	-	-	-	-	-	-	-	-	-
Inventories, finished goods	1	1	V	1	1	1	1	1	1	₩
% difference	193.2%	354.0%	-49.1%	29.7%	3.6%	158.0%	125.4%	55.8%	19.8%	-11.9%
Inventories, other	-	-	-	-	-	-	-	-	-	-
% difference	-	-	-	-	-	-	-	-	-	-
Inventories Total	1	1	V	1	V	1	1	1	1	1
% difference	42.7%	61.1%	-49.2%	19.0%	-3.8%	168.6%	579.0%	16.0%	19.5%	16.5%

Q4 - 12/31/2013 comparisons		2012	
Revenue	1	1	1
% difference	353.1%	13.1%	23.0%
Accounts receivable	1	1	1
% difference	335.0%	24.1%	15.7%
Inventories, raw materials	↑	V	1
% difference	########	-2.7%	19.5%
Inventories, work in progress	-	4	1
% difference	-	-1.4%	16.4%
Inventories, purchased components	-	-	-
% difference	-	-	-
Inventories, finished goods	1	1	1
% difference	125.4%	55.8%	19.8%
Inventories, other	-	-	-
% difference	-	-	-
Inventories Total	1	1	1
% difference	579.0%	16.0%	19.5%

	Revenue, AR, Inventory Trend	
\$900.00	—◆—AR	\$160
\$800.00	-	\$140
\$700.00	-	\$120
\$600.00	-	\$100
\$500.00	- /	\$80
\$400.00		
\$300.00	-	\$60
\$200.00	- //	\$40
\$100.00	-	\$20
\$-		\$-
	Jan	

Q1 - 3/31/2014 comparisons	2012	2013	
Revenue	1	Λ.	1
% difference	261.8%	14.3%	31.0%
Accounts receivable	1	1	1
% difference	250.4%	20.1%	28.8%
Inventories, raw materials	-	V	1
% difference	-	-15.6%	61.3%
Inventories, work in progress	-	1	4
% difference	-	24.8%	-1.8%
Inventories, purchased components	-	-	-
% difference	-	-	-
Inventories, finished goods	-	^	4
% difference	-	39.6%	-13.5%
Inventories, other	V	-	-
% difference	-100.0%	-	-
Inventories Total	1	1	1
% difference	585.5%	4.0%	25.6%

How to Analyze Receivables & Inventor

For any company that sells products, a careful look at

For any company intra sensi products, a carrein look at the correlation between sales, accounts receivables and inventories is crucial. By using this analysis model you can see the relationship between the rise in revenue, accounts receivables and inventories.

Best scenario is when growth in revenue, accounts Dest scenario s when growth in revenue, accornic receivables and inventory all go up in sync. If accounts receivables or inventories rise quicker than revenue, watch out.

When raw materials advances more rapidly than the work-in-progress and finished goods components, the company is receiving many new orders and an inventory buildunis necessary. The company will http://go

Q2 - 6/30/2014 comparisons	2012	2013	2014
Revenue	1	<u> </u>	<u> </u>
% difference	76.5%	17.9%	28.4%
Accounts receivable	1	1	1
% difference	18.7%	20.6%	28.2%
Inventories, raw materials	-	1	1
% difference	-	12.3%	34.1%
Inventories, work in progress	-	1	1
% difference	-	23.3%	9.2%
Inventories, purchased components	-	-	-
% difference	-	-	-
Inventories, finished goods	-	1	1
% difference	-	37.4%	2.5%
Inventories, other	↓	-	-
% difference	-100.0%	-	-
Inventories Total	↑	1	1
% difference	3.5%	21.2%	21.0%

Q3 - 9/30/2014 comparisons	2012	2013	2014
Revenue	1	1	1
% difference	12.3%	21.4%	20.3%
Accounts receivable	↑	1	1
% difference	11.9%	21.1%	20.2%
Inventories, raw materials	-	1	1
% difference	-	18.1%	30.5%
Inventories, work in progress	-	1	1
% difference	-	12.6%	58.9%
Inventories, purchased components	-	-	-
% difference	-	-	-
Inventories, finished goods	-	1	4
% difference	-	27.3%	-1.6%
Inventories, other	₩	-	-
% difference	-100.0%	-	-
Inventories Total	1	1	1
% difference	4.3%	21.2%	19.1%



Enter Ticker

Update CLEAR

					You can get a list of competitors from
		Manually Ente	r Competitor is	nto Yellow Cells	https://www.google.com/finance?g=THRM
	THRM	JCI	LEA	DLPH	
Company	Gentherm	Johnson	Lear Corp.	Delphi	
Company	Incorporated	Controls Inc.		Automotive PLC	
Sector	Consumer	Consumer	Consumer	Consumer	
	Goods	Goods	Goods	Goods	
Industry	Auto Parts	Auto Parts	Auto Parts	Auto Parts	
,					
Country	USA	USA	USA	United	
				Kingdom	
Earnings Date	30-Oct-2014	22-Jan-2015	30-Jan-2015	2-Feb-2015	
Price	\$37.67	\$45.39	\$95.09	\$66.59	
Market Cap	\$1,344.82	\$30,301.91	\$7,536.83	\$19,715.97	
Change	4.29%	0.98%	1.81%	-0.82%	
Volume	207,727	4,165,602	703,895	3,601,546	
Change from Open	4.55%	1.29%	2.16%	-0.63%	
Gap 50-Day High	-0.25% -10.29%	-0.31% -10.38%	-0.34% -4.80%	-0.19% -11.07%	
50-Day Fight	15.77%	2.41%	6.45%	0.06%	
52-Week High	-27.96%	-11.15%	-8.14%	-11.07%	
52-Week Low	64.93%	18.24%	34.04%	15.65%	
P/E	22.16	21.31	16.14	15.56	
Forward P/E PEG	17.59 0.89	11.01 1.66	9.93 0.75	11.73 1.07	
P/S	1.71	0.71	0.43	1.16	
P/B	4.77	2.67	2.47	6.87	
P/Cash	20.63	74.09	8.64	19.22	
P/Free Cash Flow	30.70	49.51	23.06	23.87	
Dividend Yield	0.00%	2.29%	0.84%	1.50%	
Payout Ratio	0.00%	48.60%	12.90%	21.40%	
EPS (ttm)	1.70	\$2.13	\$5.89	\$4.28	
EPS growth this year	141.00%	35.90%	-61.20%	16.80%	
EPS growth next year	14.67%	14.21%	20.61%	12.13%	
EPS growth past 5 years	42.50%	41.70%	25.50%	-16.40%	
EPS growth next 5 years Sales growth past 5 years	25.00% 59.80%	12.80% 8.50%	21.43% 3.60%	14.57% -0.40%	
EPS growth quarter over quarter	100.00%	475.00%	24.60%	17.20%	
Sales growth quarter over quarter		2.60%	8.00%	3.20%	
Return on Assets	11.70%	3.80%	5.50%	11.70%	
Return on Equity Return on Investment	23.60% 12.20%	10.50% 9.60%	15.60% 11.80%	43.90% 26.10%	
Return on investment	: 12.2076	9.00 /8	11.0076	20.1076	
Current Ratio	2.20	1.10	1.30	1.50	
Quick Ratio	1.70	0.90	1.10	1.20	
LT Debt/Equity	0.32	0.56	0.35	0.84	
Total Debt/Equity	0.34	0.59	0.35	0.85	
Gross Margin	29.00%	15.50%	8.60%	18.30%	
Operating Margin	11.60%	5.40%	5.00%	11.40%	
Profit Margin	7.80%	2.80%	2.80%	7.70%	
		:	:		
Shares Outstanding Shares Float	35.70 35.03	667.59 666.17	79.26 79.10	296.08 294.94	
Insider Ownership	1.50%	0.10%	2.98%	0.10%	
Insider Transactions	-37.52%	-2.79%	0.00%	-17.38%	
Institutional Ownership	91.30%	80.10%	96.70%	94.20%	
Institutional Transactions Float Short	0.14%	-0.02%	0.07%	0.26%	
Short Ratio	2.73% 1.9	1.26% 2.3	0.59% 0.7	0.80% 1.3	
Onort Ratio	: 1.0	: 2.0	: 0.7	1.0	
Performance (Week)	0.72%	-2.93%	-0.68%	-5.09%	
Performance (Month)	10.50%	1.09%	3.92%	-4.16%	
Performance (Quarter)	-4.63%	12.16%	17.90%	7.20%	
Performance (Half Year) Performance (Year)	-20.29% 49.48%	-6.74% -9.82%	-0.98% 19.27%	-2.25% 8.22%	
Performance (YTD)	2.87%	-9.82% -6.10%	-3.05%	-8.43%	
Beta	1.84	1.70	1.36	0.00	
Average True Range	1.55	1.06	2.35	1.51	
Volatility (Week)	3.94%	2.40%	2.83%	2.54%	
Volatility (Month)	3.81%	1.95%	2.05%	1.96%	
20-Day Simple Moving Average 50-Day Simple Moving Average	0.94% -0.61%	-3.84% -5.70%	-1.34% 0.07%	-6.49% -6.58%	
200-Day Simple Moving Average	-9.45%	-3.39%	3.99%	-0.58%	
Relative Strength Index (14)	51.68	38.27	48.95	31.95	
Analyst Recom	1.80	2.40	2.10	1.80	
Average Volume	497.77	3,587.05	694.32	1,775.24	
Relative Volume	0.42	1.16	1.01	2.03	

Gentherm Incorp	orated		Shares Out.	M.O.S	Growth	Discount %	Terminal %	Select FCF	Adjust 2013 FCF	%	old schoo	l value
(THRM)			35.70		15.0%	9.0%				Figures in Mil	lions except per s	share values
1/19/2015		o Watch Tutorial		25%	15.0%		2%	FCF	\$45.0	3		
	D. C I	CLEAD	Current Price	Fair Value	Buy Under	Actual M.O.S	52 Wk High	52 Wk Low				
Enter Ticker	Refresh	CLEAR	\$37.67	\$ 30.03	\$22.52	0%	\$52.29	\$22.84				
Fiscal Year	Trend	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TTM
Cash Flow Data	_											
Cash from Operations		\$3.0	\$2.5	\$4.8	\$14.2	\$5.5	\$4.3	\$12.4		\$36.9	\$59.8	\$76.6
Capex		(\$0.7)	(\$0.4)	(\$1.5)	(\$4.7)		(\$1.6)	(\$1.8)		(\$26.8)	(\$35.9)	(\$32.8)
Cash Flow		\$2.1	\$18.6	\$4.3	\$10.9	\$5.4	\$1.8	\$11.7	\$40.3	\$69.6	\$88.7	\$110.9
Free Cash Flow	~~	\$2.4	\$2.1	\$3.3	\$9.6	\$3.2	\$2.7	\$10.6		\$10.1	\$45.0	\$43.8
		YOY% Change	-12.1%	57.7%	189.4%	-66.7%	-15.7%	294.8%	122.7%	-57.2%	346.8%	-2.7%
Margins												
Gross Margin	$\overline{}$	26.0%	29.8%	32.6%	33.5%	29.1%	25.9%	29.1%	25.7%	25.6%	26.4%	29.0%
Operating Margin	~~	2.4%	7.2%	10.9%	12.1%	7.2%	1.5%	10.8%	4.8%	6.5%	7.5%	2.2%
Net Margin	^	3.2%	46.3%	6.9%	11.6%	5.6%	1.2%	8.9%	2.6%	3.2%	5.1%	7.8%
EPS & Tax	,											
Diluted EPS	~~~	\$0.07		\$0.17	\$0.33		\$0.03			\$0.62	\$0.99	\$1.72
Tax Rate		0.0%	-441.9%	43.4%	16.6%	35.2%	53.4%	23.8%	29.4%	25.6%	24.0%	28.5%
Efficiency & Profitability												
CROIC	~~	21.1%	7.3%	9.9%	22.4%	7.1%	5.6%	18.4%	17.2%	4.6%	7.6%	11.7%
FCF/Sales -	~~	7.3%	5.9%	6.5%	15.0%	5.0%	4.4%	9.4%	6.4%	1.8%	3.6%	5.6%
Inventory Turnover	\sim	12.7	10.9	9.6	12.8		17.4	17.0		8.3	8.3	7.5
Return On Assets (ROA)	^	6.5%		8.3%	13.2%		1.2%	12.5%		4.1%	7.0%	11.0%
Retun On Equity (ROE)		10.3%	57.8%	10.6%	17.3%	7.9%	1.5%	17.3%	15.9%	11.0%	14.6%	21.9%
Debt Related												
Debt to Equity	^	59.1%	30.0%	27.8%	31.1%	16.8%	29.3%	38.0%	518.7%	171.4%	107.6%	99.1%
Capitalization Ratio		9.3%	0.0%	0.0%	0.0%		0.0%	0.0%		19.7%	20.8%	24.3%
FCF to Total Debt		226.7%	3.070	5.070	0.070	5.070	0.070	3.070	30.9%	17.7%	29.1%	46.2%
FCF to Short Term Debt									161.7%	58.5%	111.6%	909.3%
FCF to Long Term Debt		226.7%							38.2%	25.3%	39.3%	48.7%
5 Year Multi-Year Perfo	rmance											
o roal main roal rollo	2008-2012	2009-2013	2008-2011	2009-2012	2010-2013	2008-2010	2009-2011	2010-2012	2011-2013	Median		
Tang Shareholder Equity	12.0%			14.0%	41.1%		0.0%	11.7%		12.0%		
Free Cash Flow	33.4%		95.0%	55.5%	31.3%		196.5%	-2.4%		55.5%		
CROIC	7.1%	7.6%	12.1%	11.4%	12.4%	7.1%	17.2%	17.2%	7.6%	11.4%		

	2008-2012	2009-2013	2008-2011	2009-2012	2010-2013	2008-2010	2009-2011	2010-2012	2011-2013	Median
Tang Shareholder Equity	12.0%	35.2%	0.0%	14.0%	41.1%	12.4%	0.0%	11.7%	0.0%	12.0%
Free Cash Flow	33.4%	72.9%	95.0%	55.5%	31.3%	82.4%	196.5%	-2.4%	0.8%	55.5%
CROIC	7.1%	7.6%	12.1%	11.4%	12.4%	7.1%	17.2%	17.2%	7.6%	11.4%
FCF/Sales	5.0%	4.4%	5.7%	5.4%	5.0%	5.0%	6.4%	6.4%	3.6%	5.0%
ROA	4.1%	4.1%	4.7%	3.3%	5.5%	6.8%	2.6%	4.1%	4.1%	4.1%
ROE	11.0%	14.6%	11.9%	13.5%	15.3%	7.9%	15.9%	15.9%	14.6%	14.6%
Gross Margin	25.9%	25.9%	27.5%	25.8%	26.0%	29.1%	25.9%	25.7%	25.7%	25.9%
Operating Margin	6.5%	6.5%	6.0%	5.7%	7.0%	7.2%	4.8%	6.5%	6.5%	6.5%
Net Margin	3.2%	3.2%	4.1%	2.9%	4.2%	5.6%	2.6%	3.2%	3.2%	3.2%
Revenue Growth	71.9%	81.6%	79.8%	108.8%	80.6%	32.9%	146.3%	122.2%	33.8%	80.6%
Earnings Growth	40.4%	133.7%	37.2%	165.2%	30.9%	66.6%	252.1%	18.3%	55.1%	55.1%
Cash from Ops Growth	60.6%	93.6%	83.4%	105.4%	69.0%	49.5%	183.7%	72.5%	32.2%	72.5%

10 Year Multi-Year Performance

	2004-2011	2005-2012	2006-2013	2004-2009	2005-2010	2006-2011	2007-2012	2008-2013	2004-2013	Median
Tang Shareholder Equity	0.0%	12.9%	24.3%	35.1%	13.5%	0.0%	10.5%	28.8%	35.1%	13.5%
Free Cash Flow	38.7%	25.2%	32.7%	2.4%	38.3%	48.2%	1.1%	49.7%	29.2%	32.7%
CROIC	13.6%	8.6%	8.8%	8.6%	8.6%	13.6%	12.1%	7.3%	7.6%	8.6%
FCF/Sales	6.4%	6.1%	5.7%	6.2%	6.2%	6.4%	5.7%	4.7%	6.1%	6.1%
ROA	7.5%	7.5%	6.9%	7.5%	10.4%	7.5%	5.4%	5.4%	6.9%	7.5%
ROE	13.3%	13.5%	12.8%	10.5%	13.9%	13.3%	13.5%	12.8%	12.8%	13.3%
Gross Margin	29.1%	29.1%	27.8%	29.5%	29.5%	29.1%	27.5%	26.1%	27.8%	29.1%
Operating Margin	7.2%	7.2%	7.3%	7.2%	9.0%	9.0%	6.8%	6.8%	7.2%	7.2%
Net Margin	6.3%	6.3%	5.4%	6.3%	7.9%	6.3%	4.4%	4.2%	5.4%	6.3%
Revenue Growth	41.4%	48.0%	44.4%	13.2%	25.8%	48.8%	54.2%	59.8%	39.7%	44.4%
Earnings Growth	28.3%	-7.0%	28.7%	-14.3%	-15.5%	19.4%	13.7%	44.1%	33.9%	19.4%
Cash from Ops Growth	41.4%	46.7%	43.3%	7.0%	37.5%	48.0%	21.0%	60.9%	39.3%	41.4%

Projection of future Free Cash Flow

		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023	
Yearly Growth Input Field																					
15%		\$51.75		\$59.51		\$68.44		\$77.68		\$88.17		\$100.07		\$113.58		\$127.38		\$142.85		\$160.21	
Terminal Growth		2024		2025		2026		2027		2028		2029		2030		2031		2032		2033	
2%	2	163 //1	2	166 68	2	170.02	2	173 //2	2	176.88	Φ.	180 42	Ø.	184.03	2	187 71	Φ.	101 /6	2	105 20	

Calculation

Calculation	
Total Cash	\$ 65.17
MAX(0,Current Liabilities-Current A	\$ -
Excess Cash	\$ 65.17
Adding some Intangibles	\$ -
Interest Bearing Debt	\$53.43
Present Value	\$ 1,072.00
Shares Outstanding	35.701
Per Share Value	\$ 30.03
Desired Margin of Safety	25%
Purchase Price	\$ 22.52
Current Price	\$ 37.67
Margin of Safety	0%

Variable Fields

Tariable Florae	
Intangibles% add to DCF	0%
Decay Rate (Yr4E-Yr7E)	10%
Extra Decay (Yr8E-Yr10E)	10%

Sensitivity Matrix: Growth vs Discount Rate

			rtati		Disc	count Rates	;		
		7%		8%		9%		10%	11%
	11% \$	28.10	\$	25.66	\$	23.51	\$	21.61	\$ 19.93
	13% \$	31.90	\$	29.06	\$	26.56	\$	24.36	\$ 22.42
Growth Rates	15% \$	36.21	\$	32.92	\$	30.03	\$	27.48	\$ 25.23
	17% \$	41.10	\$	37.29	\$	33.95	\$	31.01	\$ 28.42
	19% \$	46.65	\$	42.25	\$	38.40	\$	35.00	\$ 32.01

Sensitivity Matrix: Margin of Safety %

		7%	8%	9%	10%	11%
	11%	-34.1%	-46.8%	-60.3%	-74.3%	-89.0%
	13%	-18.1%	-29.6%	-41.8%	-54.6%	-68.0%
Growth Rates	15%	-4.0%	-14.4%	-25.5%	-37.1%	-49.3%
	17%	8.4%	-1.0%	-10.9%	-21.5%	-32.6%
	19%	19.3%	10.8%	1.9%	-7.6%	-17.7%

Discount Rates

Figures in Millions except per share values **Gentherm Incorporated Shares Out.** M.O.S **Projection EPS Corp Bond** Growth (THRM) 3.91 15.0% \$1.87 Analyst 25% Click to Watch 35.70 Estimate 15.0% 1/19/2015 Video Tutorial **Current Price** Intrinsic \$ **Buy Under** Actual M.O.S 52 Wk High 52 Wk Low **Enter Ticker** Refresh CLEAR \$37.67 \$46.30 \$34.72 19% \$52.29 \$22.84 2008-2012 2009-2013 2008-2011 2009-2012 2010-2013 2008-2010 2009-2011 2010-2012 2011-2013 Median 5 Yr EPS Growth 40.4% 133.7% 37.2% 165.2% 30.9% 66.6% 252.1% 18.3% 55.1% 55.1% 2004-2011 2005-2012 2006-2013 2004-2009 2005-2010 2006-2011 2007-2012 2008-2013 Median 10 Yr EPS Growth 28.3% -7.0% 28.7% -14.3% -15.5% 19.4% 13.7% 44.1% 19.4% 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 TTM Diltued EPS \$ 0.07 \$ 1.03 \$ 0.17 \$ 0.33 \$ 0.16 \$ 0.03 \$ 0.44 \$ 0.41 \$ 0.62 \$ 0.99 \$ 1.72 2014E 2015E Forecast Method 0.65 0.75 \$ \$2.15 \$1.87 Linear Regression Method \$ 0.55 \$ 0.63 Normalized Margins Metho \$ 1.23 \$ 1.41 Analyst Estimate \$ 1.87 \$ 2.14 \$1.03 \$0.99 \$0.62 **Graham Value Calculation** \$0.44 \$0.41 \$0.33 \$0.17 \$0.16 Normal Earnings \$ 1.87 \$0.07 \$0.03 **Growth Rate** 15.00% Corp Bond Rate 3.91 2009 2010 2011 2012 2013 2014E 2015E 2004 2005 2006 2007 2008 Per Share Value 46.30 **EPS** MOS 25% \$ 1.87 \$ Purchase Price 1.68 2.06 \$ 2.24 34.72 1.50 12.0% \$ \$ Current Price \$37.67 31.99 \$ 35.98 39.98 43.98 \$ 47.98 **Actual Discount** 19% 13.5% \$ 34.51 \$ 38.83 \$ 43.14 \$ 47.45 \$ 51.77 41.67 15.0% \$ **46.30** \$ 37.04 \$ 50.93 \$ 55.55 16.5% \$ 39.56 \$ 44.51 \$ 49.45 \$ 54.40 \$ 59.34

19.8% \$

45.12 \$

Graham's Sensitivity Matrix

10%

10%

Growth Sensitivity Incremen

EPS Sensivity Increments

50.76 \$

\$

56.40

62.04 \$

67.68

Gentherm Incorporated (THRM)

1/19/2015

Enter Ticker

Refresh	CLEAR
Refresir	CLLAIN

Normalized Rev Period	Projection	EPS
3YR	Analyst Estimate	\$1.87



Current Price	Conservative	Normal	Aggressive
\$37.67	\$24.37	\$30.67	\$34.88
M.o.S	0.0%	0.0%	0.0%

For Each Operating Segment (1)	Conservative	Normal Case	Aggressive
Normalized Revenue Estimate (2)	1,427.3	\$1,427.3	1,427.3
Manual Input for Revenue			
Projected Normalized Operating Margin (3)	5.3%	5.3%	5.3%
Manual Input for Margins			
Operating Income Estimate (EBIT)	75.0	75.0	75.0
Valuation Multiple (4)	12x	15x	17x
Estimate Value of Operating Segment	899.8	1,124.7	1,274.7
			_
Cash & Equiv on Balance Sheet	65.2	65.2	65.2
Manual Input for Cash & Equiv			
Total Value of business + cash	965.0	1,189.9	1,339.9
Less Total Debt	94.8	94.8	94.8
Manual Input for Total Debt			
Less Off Balance Sheet Debt (5)	0.0		0.0
Less Net Pension/Retirement/Workers Comp	0.0		0.0
Estimated Fair Value of Equity	870.2	1,095.1	1,245.1
Shares Outstanding	35.70	35.70	35.70
Current Price	\$37.67	\$37.67	\$37.67
Estimated Fair Value per Share	\$24.37	\$30.67	\$34.88
Margin of Safety	0%	0%	0%
Price/Intrinsic Value Ratio (6)	1.5	1.2	1.1

How to Use

Enter values in the yellow boxes.

Make sure to keep your denominations consistent. E.g. use millions for rev & shares outstanding. Do not use millions for revenue and thousands for shares outstanding.

Calculator Input Explanations

(1) For Each Operating Segment:

EBIT multiple calculation can be used for sum of the parts valuation.

Perform the same step for each part of the operating business and then sum it up to get the total value.

(2) Normalized Revenue Estimate

To get a normalized value, take the average or median across multiple years.

(3) Projected Normalized Operating Margin

Enter the operating margin for each scenario.

(4) Valuation Multiple

Enter the EBIT multiple that you wish to use for each scenario. Look at comparable industry and competit

(5) Less Off Balance Sheet Debt

These are liabilities that are not found in the balance sheet. It can be found in the footnotes of the annual A quick way to search for this is to do a find for the term "off balance sheet" or "off-balance sheet" in the fi

(6) Price/Intrinsic Value Ratio

The lower the better. Simply price divided by the calculated intrinsic value of equity.

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Gentherm Incorporated (THRM)

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Enter Ticker Refresh CLEAR

Current EPS Exp Growth	Dividend Yield	Business Safety	Financial Safety	Earnings Safety
15%	0.00%	Above Average	Excellent	Excellent
Expected PE		14 of 20 pts	19 of 20 pts	16 of 20 pts
17				

Katsenelson Absolute PE	Current Price	Fair Value	Fair Value PE	Current PE	FV Exp Grth	M.O.S		
	\$37.67	\$35.11	20.43	17.00	22%	0%		
Determine Business Risk ROE	2009 1.50%	2010 17.29%	2011 15.94%	2012 11.04%	2013 14.57%	TTM 21.87%	AVERAGE 13.7%	STDEV 6.9%
Consistency/quality check		1	0	0	1	1	3	
ROA	1.16%	12.53%	2.58%	4.07%	7.02%	10.98%	6.4%	4.6%
Consistency/quality check		1	0	1	1	1	4	
CROIC	5.55%	18.38%	17.21%	4.60%	7.61%	11.68%	10.8%	5.9%
Consistency/quality check		1	1	0	0	1	3	
Intangibles % of Book Value	7.73%	8.09%	211.34%	74.53%	47.07%	38.39%	64.5%	76.2%
Consistency/quality check		1	0	1	1	1	4	
Business Risk Factor:	14 pts out of 20)	Above Average	4% Factor			14	0.0%

Determine Financial Risk Current Ratio	2009 3.37	2010 3.23	2011 1.59	2012 2.07	2013 1.76	TTM 2.17	AVERAGE 2.36	STDEV 0.75
Consistency/quality check		1	1	1	1	1	5	
Total Debt/Equity Ratio	0.00	0.00	1.26	0.35	0.35	0.34	0.38	0.46
Consistency/quality check		1	0	1	1	1	4	
Short Term Debt/Equity Ratio	0.00	0.00	0.24	0.11	0.09	0.02	0.08	0.09
Consistency/quality check		1	1	1	1	1	5	
FCF to Total Debt			30.89%	17.69%	29.07%	46.20%	31.0%	11.7%
Consistency/quality check		1	1	1	1	1	5	
Financial Risk Factor:	19 pts out of 20		Excellent	9% Factor			19	0.0%

Determine Earnings Predictal	2009	2010	2011	2012	2013	TTM	AVERAGE	STDEV
Gross Margin	25.87%	29.13%	25.70%	25.57%	26.40%	29.05%	27.0%	1.7%
Consistency/quality check		1	0	0	1	1	3	
Net Margin	1.19%	8.85%	2.61%	3.22%	5.11%	7.77%	4.8%	3.0%
Consistency/quality check		1	0	1	1	1	4	
Earnings	\$0.03	\$0.44	\$0.41	\$0.62	\$0.99	\$1.72	0.70	0.59
Consistency/quality check		1	0	1	1	1	4	
Cash from Ops	\$4.25	\$12.39	\$34.23	\$36.87	\$59.79	\$76.63	\$37.36	27.48
Consistency/quality check		1	1	1	1	1	5	
Earnings Predict. Factor:	16 pts out of 20		Excellent	6% Factor			16	0.0%

Katsenelson Absolute PE Valuation Model

15.00%	17.00
0.00%	0.00
	=
	17.00
	х
Above Average [1	+ (1 - 0.96)]
0.96	x
Excellent [1	+ (1 - 0.91)]
0.91	х
Excellent [1	+ (1 - 0.94)]
0.94	=
22%	20.43
	0.00% Above Average [1 0.96 Excellent [1 0.91 Excellent [1 0.94

		Exp EPS Grwth Rate	P/E
ı [0%	7.00
		1%	7.65
		2%	8.30
		3%	8.95
		4%	9.60
		5%	10.25
		6%	10.90
		7%	11.55
65	Δ0.	8%	12.20
1 [9%	12.85
		10%	13.50
		11%	14.15
		12%	14.80
		13%	15.45
		14%	16.10
		15%	16.75
7	4	16%	17.40
		17%	17.90
		18%	18.40
		19%	18.90
		20%	19.40
0.50	Δ0	21%	19.90
		22%	20.40
		23%	20.90
	ΙL	24%	21.40
	•	25%	21.90

Dividend Yield

0.0%

0.1%

0.5%

1.0%

1.5%

2.0%

2.5%

3.0%

3.5%

4.0%

4.5%

5.0%

5.5%

6.0%

6.5%

10.0%

Add'I P/E Points

0.0

0.5

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

4.5

5.0

5.5

6.0

6.5

10.0

Gentherm Incorporated (THRM)

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Figures in Millions except per share values

Shares Out.	Main. Capex	Normalized Income	Discount Rate	R&D Years	SG&A %	
35.70	\$18.00	\$51.27	9%	3	25%	
	\$18.00					

Current Price	EPV	Net Reproduction Value	EPV MOS	NCAV	52 Wk High	52 Wk Low
\$37.67	\$9.30	\$12.49	0.0%	\$1.43	\$52.29	\$22.84

Asset Valuation Section

Data: Asset Valuation

Shares Outstanding	35.7
Balance Sheet Assets	\$ 538.3
Adjusted Assets	\$ 538.3
Total Liabilities	\$ 277.6
Total Equity	\$ 280.1
Average SGA %	11.7%
Marketing/Brand Value	\$ 77.3
R&D Value	\$ 64.3
Cash Needed for Business	\$ 7.9
Interest Bearing Debt	\$ 94.8
Non Interest Bearing Debt	\$ 182.1
Excess Cash	\$ 51.9

CLEAR

Calculation: Asset Valuation

	Total	Pe	r Share
Tangible BV	\$ 153.24	\$	4.29
Adjusted BV	\$ 260.78	\$	7.30
NCAV	\$ 51.12	\$	1.43
Reprod. Cost of Assets	\$ 679.91	\$	19.04
Reprod. Cost of Assets BV	\$ 402.36	\$	11.27
Total Net Reprod. Cost	\$ 445.89	\$	12.49

Quarterly numbers based on: Q3

Adjustments:	90				Ren	roduction
Assets	Book Value		Fixed BV Multiplie			
Cash & Equivalents	\$	65.2		•	\$	65.2
Marketable Securities	\$	-			\$	-
Accounts Receivable	\$	147.1			\$	147.1
Other Receivable	\$	-			\$	-
Net Receivables	\$	147.1			\$	147.1
Inventories: Raw Materials	\$	46.2				
Inventories: Work in Progress	\$	4.3				
Inventories: Purchased Components	\$	4.5				
Inventories: Fulchased Components Inventories: Finished Goods		24.2				
	\$	24.3				
Inventories: Other Inventories Total	\$	74.0			•	74.0
	\$	74.8			\$	74.8
Prepaid Expenses	\$	31.4			\$	31.4
Current Defered Income Taxes	\$	10.1			\$	10.1
Other Current Assets	\$	0.1			\$	0.1
Total Current Assets	\$	328.7			\$	328.7
Goodwill, Net	\$	30.3			\$	30.3
Intangibles, Net	\$	77.3			\$	77.3
Intangibles	\$	107.5			\$	107.5
Property/Plant/Equipment - Net	\$	88.8			\$	88.8
Other Long Term Assets, Total	\$	13.4			\$	13.4
Total Assets	\$	538.3			\$	538.3

EPV Valuation Section

Values for Normalized Income

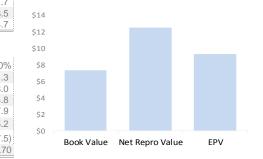
TTM Free Cash Flow	\$ 43.8
Avg Normalized Income	\$ 42.7
Med Normalized Income	\$ 41.7
Avg Adj. Income 5 yrs	\$ 33.5
TTM Adjusted Income	\$ 94.7

Data: EPV

Cost of Capital	9.0%
Normalized Adjusted Income	\$ 51.3
Average Maintenance Capex	\$ 18.0
Interest Bearing Debt	\$ 94.8
1% of sales	\$ 7.9
Cash & Equiv	\$ 65.2
Cash - Debt	\$ (37.5)
Shares	35.70

EPV > Net Repro Value = Moat exists

EPV = Net Repro Value = No Moat EPV < Net Repro Value = Value Destroyer



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Calculation: EPV

Cost of Capital Rates	EPV	P	er Share	+	Cash - Debt	Per Share
5%	\$ 665.4	\$	18.64	\$	627.9 \$	17.59
7%	\$ 475.3	\$	13.31	\$	437.8 \$	12.26
9%	\$ 369.7	\$	10.35	\$	332.1 \$	9.30
11%	\$ 302.4	\$	8.47	\$	264.9 \$	7.42
13%	\$ 255.9	\$	7.17	\$	218.4 \$	6.12

Adjustments:

Adjustments:				Rep	roduction
Liabilities & Equity	Book Value	Fixed BV	Multiplier	Liab	ility Value
Accounts Payable	\$ 73.6			\$	73.6
Accrued Expenses	\$ -			\$	-
Accrued Liabilities	\$ 69.3			\$	69.3
Notes Payable/Short Term Debt	\$ 4.8			\$	4.8
Current Port. of LT Debt/Capital					
Leases	\$ -			\$	-
Other Current Liabilities	\$ 2.9			\$	2.9
Total Current Liabilities	\$ 150.7			\$	150.7
Long-Term Debt	\$ 90.0			\$	90.0
Capital Lease Obligations	\$ -			\$	-
Deferred Income Taxes	\$ 19.3			\$	19.3
Total Other Liabilities	\$ 16.9			\$	16.9
Total Liabilities	\$ 277.6			\$	277.6
Common Stock Equity	\$ 280.1			\$	280.1
Retained Earnings	\$ 65.1			\$	65.1
Total Capitalization	\$ 370.1			\$	370.1
Total Equity	\$ 280.1			\$	280.1
Total Liabilities & Equity	\$ 557.7			\$	557.7

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