

HIGH RISK REPORT BLACK BOX CORPORATION

January 3, 2018



CreditRiskMonitor's assessment of Black Box Corporation's ("Black Box") "high risk" status has been determined by a combination of factors:

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MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's proprietary FRISK® score has Black Box Corporation, (NASDAQ: BBOX) at a 2, one of the highest probabilities of bankruptcy in the next 12 months.

Business Name	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2018
Dusiliess Name	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
Black Box Corporation	6	5	4	4	4	4	4	3	2	2	2	2	2

The FRISK® score is
96% accurate in predicting
the risk of corporate
failure/bankruptcy over
a 12-month horizon.
All FRISK® scores are
recalculated every night
for each subsequent
12-month period.

	EDICK Pro	Probability of bankruptcy within 12 months							
	IKISK	From	То						
Best	10	0.00%	0.12%						
	9	0.12%	0.27%						
	8	0.27%	0.34%						
	7	0.34%	0.55%						
	6	0.55%	0.87%						
	5	0.87%	1.40%						
	4	1.40%	2.10%						
	3	2.10%	4.00%						
	2	4.00%	9.99%						
Worst	1	9.99%	50.00%						

While the percentage risk of bankruptcy varies at each FRISK® score, 96% of public companies that eventually go bankrupt enter the FRISK® "red zone" prior to filing. A FRISK® score of 5 or less is an important warning sign.

THE FRISK® SCORE COMPONENTS

At the core of the CreditRiskMonitor process is our 96% accurate FRISK® score, which indicates a company's level of financial stress on a scale of 1 to 10, based on the probability of bankruptcy over a 12-month horizon. The FRISK® score incorporates a number of powerful risk indicators including:

A "Merton" type model using stock market capitalization and volatility Financial ratios, including those used in the Altman Z"-Score Model

Bond agency ratings from S&P, Moody's and Fitch (when available)

Crowdsourced CreditRiskMonitor Usage Data

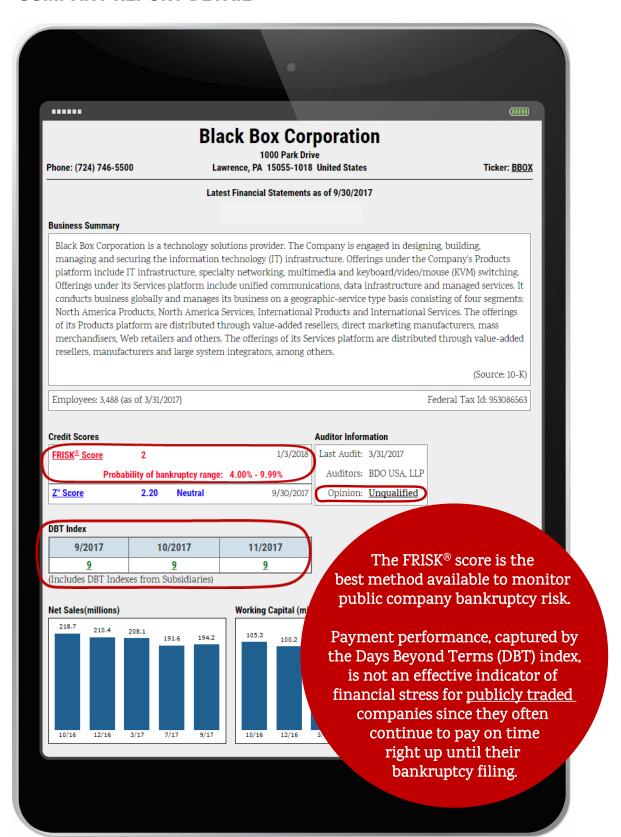
Crowdsourcing, has enhanced the accuracy and timeliness of the FRISK® score. We collect and analyze data patterns from thousands of CreditRiskMonitor subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

The crowdsourcing advantage is even more powerful in our FRISK® score since many of the professionals who use our service are credit managers:

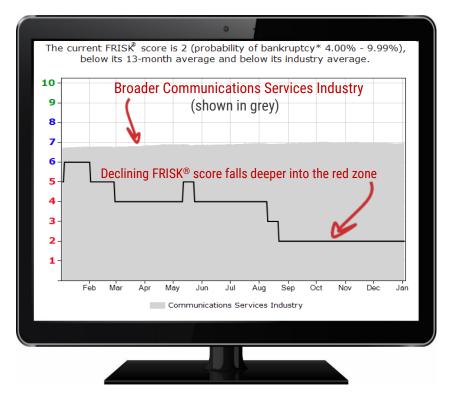
- Credit managers control one of the largest sources of working capital going into a company
- They are not held to the same "Fair Disclosure" restrictions that prevent nondisclosed information sharing on public companies
- Credit managers use a variety of non-public information sources such as their own company's management and sales representatives to be alerted to concerns in a public company's performance
- It is commonly known credit managers confidentially share information with other credit managers, thus collectively, their behavior helps to provide advanced insight to financial problems in public companies

Read more in Credit Research Foundation's quarterly journal article, "Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals"

COMPANY REPORT DETAIL



FRISK® DEEP DIVE



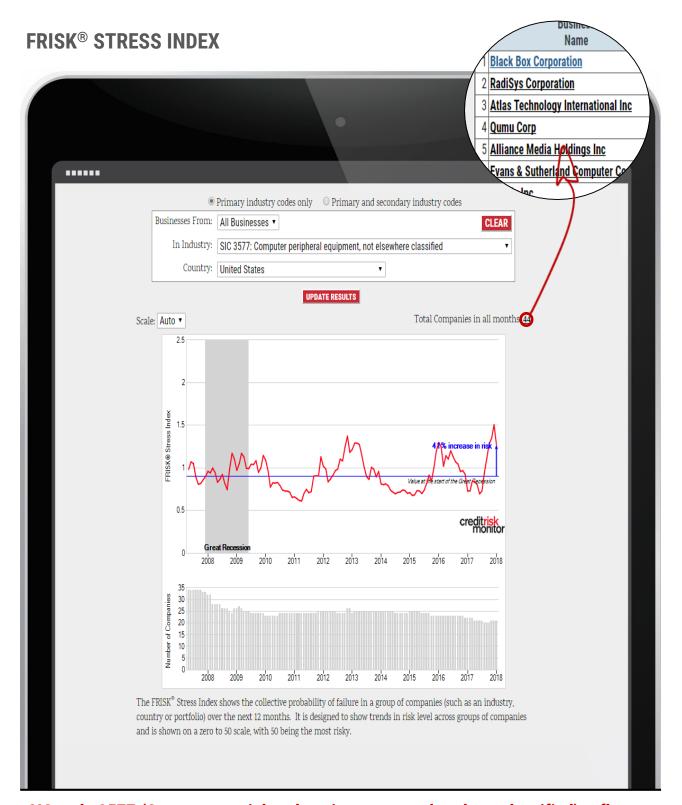
The FRISK® score relative to the broader Communications Services industry raises an additional red flag signaling heightened risk relative to peers, as well...

MAKING IMMEDIATE ATTENTION REQUIRED.

ADJUSTED MARKET CAP VOLATILITY



One of the inputs of the FRISK® score is a company's market cap volatility, adjusted for dividends, over the course of a year. Incorporating this information allows us to capture the "wisdom of markets" on a daily basis. This ensures our subscribers are getting the most up to date view of the risks they face since stocks tend to be more liquid and faster moving than bond prices and ratings.



SIC code 3577 (Computer peripheral equipment, not elsewhere classified) reflects an industry subsector whose recent average probability of failure has increased 41% since 2007. Black Box is among the weakest names in the industry as evidenced by its FRISK® score of 2.

PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS



QUARTERLY PERFORMANCE RATIOS

Not loss					
Net loss					
in four of					
the last five					
quarters					
	nance Ratios	- Soguenti	al Quarto		
Perioni		- Sequeiiti of U.S. Dollars)	ai Quai tei	5	
	13 weeks	13 weeks	13 weeks	13 weeks	13 weeks
Period Ended	9/30/2017	7/1/2017	3/31/2017	12/31/2016	10/1/2016
Net Sales \$	\$194,164	\$191,644	\$208,132	\$210,370	\$218,749
% change	1.31%	-7.92%	-1.06%	-3.83%	0.12%
Gross Margin \$	\$56,493	\$52,603	\$58,420	\$62,443	\$54,444
% change	7.40%	-9.96%	-6.44%	14.69%	-19.52%
% of sales	29.10%	27.45%	28.07%	29.68%	24.89%
change as % of incremental sales	154.37%	n/m	n/m	n/m	-4,910.41%
SG&A \$	\$60,183	\$58,948	\$55,794	\$56,274	\$55,134
% change % of sales	2.10% 31.00%	5.65% 30.76%	-0.85% 26.81%	2.07% 26.75%	-11.85% 25.20%
change as % of incremental sales	49.01%	n/m	20.01% n/m	20.75% n/m	-2,756.13%
Operating margin \$	(\$7,372)	(\$12,897)	(\$262)	\$2,762	(\$6,538)
% change	42.84%	-4,822.52%	-109.49%	142.25%	-340.37%
% of sales	-3.80%	-6.73%	-0.13%	1.31%	-2.99%
change as % of incremental sales	219.25%	n/m	n/m	n/m	-3,441.64%
EBITDA \$	(\$2,621)	(\$8,473)	\$4,475	\$7,469	(\$1,920)
% change	69.07%	-289.34%	-40.09%	489.01%	-124.75%
% of sales	-1.35%	-4.42%	2.15%	3.55%	-0.88%
change as % of incremental sales	232.22%	n/m	n/m	n/m	-3,598.14%
EBIT \$	(\$7,165)	(\$13,027)	(\$121)	\$2,699	(\$6,579)
% change	45.00%	-10,666.12%	-104.48%	141.02%	-314.79%
% of sales	-3.69%	-6.80%	-0.06%	1.28%	-3.01%
change as % of incremental sales	232.62%	n/m	n/m	n/m	-3,584.39%
Pre-tax income \$ % change	(\$8,966) 37.06%	(\$14,245) -1,123.80%	(\$1,164) -170.80%	\$1,644 121.55%	(\$7,629) -511.05%
% of sales	-4.62%	-1,123.60%	-0.56%	0.78%	-3.49%
change as % of incremental sales	209.48%	n/m	n/m	n/m	-3,526.02%
Net income (loss) \$	(\$11,400)	(\$9,747)	(\$1,789)	\$1,320	(\$6,105)
% change	-16.96%	-444.83%	-235.53%	121.62%	-1,182.56%
% of sales	-5.87%	-5.09%	-0.86%		-2.79%
change as % of incremental sales	-65.60%	n/m	n/m		57%
Tax expense \$	\$2,434	(\$4,498)	\$625	Insuffic	rient
Effective tax rate	-27.15%	31.58%	-53.69		
Depreciation expense \$	\$2,435	\$2,324	\$2,3	interest co	overage
% of sales	1.25%	1.21%	1.	ratio & n	egative
% of capital expenses	153.05%	211.85%	225.		
% of PP&E, net (annualized)	36.72%	32.57%	31.	free cash	flow in
Capital expenditures \$ % change	\$1,591 45.03%	\$1,097 6.92%	\$1,0 -54.72	the last	two
% of PP&E, net (annualized)	23.99%	15.37%	13.80%		
% of working capital (annualized)	6.12%	4.77%	4.29%	quart	ers
Interest coverage ratio	(1.46)	(6.96)	4.29		(1.83)
% change	79.08%	-262.14%	-39.40%	487.16%	-128.45%
Free cash flow \$	(\$948)	(\$17,364)		\$6,786	\$2,995
% change	94.54%	-222.54%	108.81%	126.58%	-66.01%
Source:	10-Q	10-Q	10-K	10-Q	10-Q

QUARTERLY LEVERAGE RATIOS

Year-over-year stockholders' equity & tangible net worth decreased 14% and 13% Leverage Ratios - Sequential Quarters respectively (Thousands of U.S. Dollars) **Period Ended** 9/30/2017 7/1/2017 3/31/2017 12/31/2016 10/1/2016 Total debt \$ \$129,165 \$89,746 \$95,349 \$99,172 \$101,734 % change 30.24% 10.50% -5.88% -6.28% -11.46% Stockholders' equity \$ \$127,125 \$134,823 \$141,649 \$142,575 \$146,881 -5.71% -4.82% -0.65% -2.93% -4.46% % change Total debt to equity ratio 0.74 0.67 1.02 0.63 0.69 % change -7.32% 38.12% 16.10% -5.26% -3.44% Tangible net worth \$ \$64,041 \$68,200 \$72,829 \$71,494 \$73,464 -6.36% -2.68% -5.85% % change -6.10% 1.87% Total debt to tangible net worth 2.02 1.45 1.23 1.33 1.38 % change 38.70% 18.00% -7.60% -3.69% -5.96% Total assets \$ \$439,219 \$412,952 \$427,117 \$436,448 \$454,502 % change 6.36% -3.32% -2.14% -3.97% -2.10% Total debt to assets ratio 0.24 0.21 0.22 0.22 0.29 14.33% % change 22.44% -3.84% -2.37% -9.58% Tangible assets \$ \$376,135 \$346,329 \$358,297 \$365,367 \$381,085 -3.34% -1.91% % change 8.61% -1.94% -4.12% Short-term debt \$ \$1,385 \$5,756 n/a \$964 n/a % change -30.40% n/a n/a n/a n/a Short-term debt % of total debt 1.07% 4.46% 1.45% n/a n/a -26.06% % change n/a n/a n/a n/a Short-term debt % of working capital 4.99% 1.06% 1.38% n/a -23.44% % change n/a n/a n/a n/a \$307,621 Total liabilities \$ \$312,094 \$278,129 \$285,468 \$293,873 % change -2.57% -2.86% -4.47% -0.92% 12.21% Total liabilities to equity ratio 2.06 2.02 2.06 2.09 2.46 % change 19.01% 2.36% -2.23% -1.59% 3.71% Total liabilities to tangible net worth ratio 4.08 4.19 4.87 3.92 4.11 % change 19.50% 4.04% 1.84% 5.23% Total debt to EBITDA ratio (annualized) n/a n/a n/a % change n/a n/a Total liabilities n/a Source: 10-0 10-0 10-0 to tangible net 11/3/2017 8/10/2017 4/2016 worth ratio signals

heightened risk in the last 5 quarters

QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

The company's cash ratio trended just slightly above the lower quartile of the industry peer group in Q3 2017

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Quick ratio

% change

% change

Source:

Current ratio

Liquidity Ratios - Sequential Quarters (Thousands of U.S. Dollars)

Period Ended 9/30/2017 7/1/2017 3/31/2017 12/31/2016 10/1/2016 Current assets \$ \$287,306 \$254,022 \$268,647 \$275.040 \$285.842 % change 13.10% -5.44% -2.32% -3.78% -2.57% % of short-term debt 27,867.95% 4,991.42% n/a 19,858.48% n/a Current liabilities \$ \$171,850 \$177,513 \$174,803 \$180,539 \$161,356 % change 6.50% -9.10% 1.55% -3.18% 8.17% \$105,303 Working capital \$ \$115,456 \$92,666 \$91,134 \$100,237 % change 24.59% 1.68% -9.08% -4.81% -16.75% % of sales (annualized) 14.87% 12.09% 10.95% 11.91% 12.03% Cash \$ \$30,462 \$10,465 \$14,247 \$13,808 \$16,124 % change 191.08% -26.55% 3.18% -14.36% -24.52% % of short-term debt 529.22% n/a 1.477.90% 996.97% n/a Cash ratio 0.18 0.06 0.08 0.08 0.09 % change 173.19% -19.18% 1.65% -11.53% -30.23% \$147,167 \$162,243 Quick assets \$ \$154,870 \$123,831 \$142,791 -13.28% % change 25.07% -2.97% -9.29% 4.40% % of short-term debt 2,690.58% 14,812.34% 10,625.78% n/a n/a

0.77

1.57

4.02%

10-Q

8/10/2017

-4.60%

0.80

1.51

-4.45%

-3.81%

10-K

5/11/2017

0.84

1.57

-6.32%

-0.63%

10-Q

2/3/2017

0.90

1.58

-3.48%

-9.93%

10-Q

11/4/2016

0.90

1.67

6.19%

10-Q

11/3/2017

17.44%

	nte of Return	- Sequent		s	
quarters Period Ended	13 weeks 9/30/2017	13 weeks 7/1/2017	13 weeks 3/31/2017	13 weeks 12/31/2016	13 weeks 10/1/2016
Return on equity	-8.46%	-6.88%	-1.25%	0.90%	-3.97%
% change	-22.88%	-448.38%	-239.62%	122.63%	-1,203.22%
Return on net tangible equity	-16.72%	-13.38%	-2.50%	1.80%	-7.82%
% change	-24.90%	-434.84%	-239.26%	122.96%	-1,183.09%
Return on total assets	-2.68%	-2.32%	-0.41%	0.30%	-1.33%
% change	-15.30%	-460.10%	-239.82%	122.30%	-1,211.94%
Return on tangible assets	-3.16%	-2.77%	-0.49%	0.35%	-1.59%
% change	-14.07%	-459.59%	-239.78%	122.29%	-1,210.07%
Source:	10-Q 11/3/2017	10-Q 8/10/2017	10-K 5/11/2017	10-Q 2/3/2017	10-Q 11/4/2016

ABOUT THIS REPORT/CONTACT CREDITRISKMONITOR



CreditRiskMonitor is a financial risk analysis and news service that helps credit, supply chain and financial professionals stay ahead of and manage risk quickly, accurately and cost effectively. More than 35% of the Fortune 1000, plus over a thousand other large corporations worldwide, rely on our financial risk coverage of over 57,000 global public companies.

CreditRiskMonitor's High Risk Reports feature companies that are exhibiting a significantly high level of financial distress, as indicated by our proprietary FRISK® score. The ultimate goal of the High Risk Report series is two-part: provide an early warning for those doing business with an increasingly distressed company and inform of the many signals that should be examined when assessing financial risks.

Request a Personalized Demo and Risk Assessment

Read more High Risk Reports, Bankruptcy Case Studies and other resources

Contact us at: 845.230.3000 creditriskmonitor.com/contact-us