

## MIRA INFORM REPORT

<b>Report No. :</b>	483994
<b>Report Date :</b>	04.01.2018

### IDENTIFICATION DETAILS

<b>Name :</b>	BRECHTEL MANUFACTURING, INC.
<b>Registered Office :</b>	1789 Addison Way Hayward CA 94544
<b>Country :</b>	United States
<b>Date of Incorporation :</b>	1983
<b>Legal Form :</b>	Corporation
<b>Line of Business :</b>	Subject is dedicated to furthering scientific discovery by opening up access to technology.
<b>No. of Employees :</b>	6

### RATING & COMMENTS

(Mira Inform has adopted New Rating mechanism w.e.f. 23<sup>rd</sup> January 2017)

<b>MIRA's Rating :</b>	A
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Credit Rating	Explanation	Rating Comments
A	Acceptable Risk	Business dealings permissible with moderate risk of default

<b>Status :</b>	Good
<b>Payment Behaviour :</b>	Regular
<b>Litigation :</b>	Clear

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**NOTES :**

Any query related to this report can be made on e-mail : [infodept@mirainform.com](mailto:infodept@mirainform.com) while quoting report number, name and date.

**ECGC Country Risk Classification List**

<b>Country Name</b>	<b>Previous Rating (30.06.2017)</b>	<b>Current Rating (30.09.2017)</b>
United States	A1	A1

<b>Risk Category</b>	<b>ECGC Classification</b>
Insignificant	A1
Low Risk	A2
Moderately Low Risk	B1
Moderate Risk	B2
Moderately High Risk	C1
High Risk	C2
Very High Risk	D

**UNITED STATES - ECONOMIC OVERVIEW**

The US has the most technologically powerful economy in the world, with a per capita GDP of \$57,300. US firms are at or near the forefront in technological advances, especially in computers, pharmaceuticals, and medical, aerospace, and military equipment; however, their advantage has narrowed since the end of World War II. Based on a comparison of GDP measured at purchasing power parity conversion rates, the US economy in 2014, having stood as the largest in the world for more than a century, slipped into second place behind China, which has more than tripled the US growth rate for each year of the past four decades.

In the US, private individuals and business firms make most of the decisions, and the federal and state governments buy needed goods and services predominantly in the private marketplace. US business firms enjoy greater flexibility than their counterparts in Western Europe and Japan in decisions to expand capital plant, to lay off surplus workers, and to develop new products. At the same time, businesses face higher barriers to enter their rivals' home markets than foreign firms face entering US markets.

Long-term problems for the US include stagnation of wages for lower-income families, inadequate investment in deteriorating infrastructure, rapidly rising medical and pension costs of an aging population, energy shortages, and sizable current account and budget deficits.

The onrush of technology has been a driving factor in the gradual development of a "two-tier" labor market in which those at the bottom lack the education and the professional/technical skills of those at the top and, more and more, fail to get comparable pay raises, health insurance coverage, and other benefits. But the globalization of trade, and especially the rise of low-wage producers such as China, has put additional downward pressure on wages and upward pressure on the return to capital. Since 1975, practically all the gains in household income have gone to the top 20% of households. Since 1996, dividends and capital gains have grown faster than wages or any other category of after-tax income.

Imported oil accounts for nearly 55% of US consumption and oil has a major impact on the overall health of the economy. Crude oil prices doubled between 2001 and 2006, the year home prices peaked; higher gasoline prices ate into consumers' budgets and many individuals fell behind in their mortgage payments. Oil prices climbed another 50% between 2006 and 2008, and bank foreclosures more than doubled in the same period. Besides dampening the housing market, soaring oil prices caused a drop in the value of the dollar and a deterioration in the US merchandise trade deficit, which peaked at \$840 billion in 2008. Because the US economy is energy-intensive, falling oil prices since 2013 have alleviated many of the problems the earlier increases had created.

The sub-prime mortgage crisis, falling home prices, investment bank failures, tight credit, and the global economic downturn pushed the US into a recession by mid-2008. GDP contracted until the third quarter of 2009, making this the deepest and longest downturn since the Great Depression. To help stabilize financial markets, the US Congress established a \$700 billion Troubled Asset Relief Program (TARP) in October 2008. The government used some of these funds to purchase equity in US banks and industrial corporations, much of which had been returned to the government by early 2011. In January 2009, Congress passed and President Barack OBAMA signed a bill providing an additional \$787 billion fiscal stimulus to be used over 10 years - two-thirds on additional spending and one-third on tax cuts - to create jobs and to help the economy recover. In 2010 and 2011, the federal budget deficit reached nearly 9% of GDP. In 2012, the Federal Government reduced the growth of spending and the deficit shrank to 7.6% of GDP. US revenues from taxes and other sources are lower, as a percentage of GDP, than those of most other countries.

Wars in Iraq and Afghanistan required major shifts in national resources from civilian to military purposes and contributed to the growth of the budget deficit and public debt. Through 2014, the direct costs of the wars totaled more than \$1.5 trillion, according to US Government figures.

In March 2010, President OBAMA signed into law the Patient Protection and Affordable Care Act, a health insurance reform that was designed to extend coverage to an additional 32 million Americans by 2016, through



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private health insurance for the general population and Medicaid for the impoverished. Total spending on healthcare - public plus private - rose from 9.0% of GDP in 1980 to 17.9% in 2010.

In July 2010, the president signed the DODD-FRANK Wall Street Reform and Consumer Protection Act, a law designed to promote financial stability by protecting consumers from financial abuses, ending taxpayer bailouts of financial firms, dealing with troubled banks that are "too big to fail," and improving accountability and transparency in the financial system - in particular, by requiring certain financial derivatives to be traded in markets that are subject to government regulation and oversight.

In December 2012, the Federal Reserve Board (Fed) announced plans to purchase \$85 billion per month of mortgage-backed and Treasury securities in an effort to hold down long-term interest rates, and to keep short-term rates near zero until unemployment dropped below 6.5% or inflation rose above 2.5%. In late 2013, the Fed announced that it would begin scaling back long-term bond purchases to \$75 billion per month in January 2014 and further reduce them as conditions warranted; the Fed ended the purchases during the summer of 2014. In 2014, the unemployment rate dropped to 6.2%, and continued to fall to 5.5% by mid-2015, the lowest rate of joblessness since before the global recession began; inflation stood at 1.7%, and public debt as a share of GDP continued to decline, following several years of increases. In December 2015, the Fed raised its target for the benchmark federal funds rate by 0.25%, the first increase since the recession began. With US GDP growth below 2%, the Fed has opted to raise rates three times since then, and in mid-June 2017, the range for the target rate stood at 1% to 1.25%.

Source : CIA

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## **STATUTORY INFORMATION**

Legal Name:	BRECHTEL MANUFACTURING, INC.
Trade Name:	BMI
ID:	C1541342
Date Created:	1983
Date Incorporated:	9/11/1986
Legal Address:	1789 ADDISON WAY HAYWARD CA 94544, USA
Operative Address:	1789 Addison Way Hayward, California 94544, USA
Telephone:	5.107.329.723
Fax:	5.107.329.153
Legal Form:	CORPORATION
Email:	<a href="mailto:bmi_info@brechtel.com">bmi_info@brechtel.com</a>
Registered in:	CALIFORNIA
Website:	<a href="http://www.brechtel.com">www.brechtel.com</a>
Contact:	Fred P. Brechtel, CEO
Staff:	6
Industry:	Personal & Household Goods Repair & Maint
Banks	Bank of America

The company does not disclose its banking details.

## **HISTORY**

The company was founded in 1983 by Frederick Brechtel

## **PRINCIPAL ACTIVITY**

Brechtel is dedicated to furthering scientific discovery by opening up access to technology.

Products/Services description:	Aircraft Sampling Aircraft Sampling-SEMS Air Quality Monitoring Calibration Standards CCN Research - GCVI Climate Impacts Climate Monitoring Health Impacts
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Brands:	Hong Kong Air Quality
Sales are:	Ice Nuclei Research – PCVI
Clients:	Ice Nuclei Research – SEMS
Suppliers:	UAV Sampling
Operations area:	Aerosol Products
The company imports from	Sampling
The company exports to	Particle Sizing and Counting
The subject employs	Chemistry and Black Carbon
Payments:	Research and Development
	NA
	Wholesale
	University of Colorado at Boulder
	NA
	National
	No import
	No export records
	6 employees
	Regular

## ***LOCATION***

Headquarters :	1789 Addison Way Hayward, California 94544, USA
Branches:	The company does not have branches
Related Companies:	NA

## ***GROUP STRUCTURE AND SUBSIDIARY COMPANIES***

Listed at the stock exchange:	NA
Capital:	NA
Shareholders:	This is a private company. Major holder is:  FREDRICK P BRECHTEL

Management: Fred P. Brechtel, CEO  
Andy Corless  
Lorenzo Gamero  
Tom Johnson Tom Johnson, Material Handling Specialist  
Christian Rodriguez  
Gloria Tabarez-Pulido, Office Manager  
Chhuauy Tan

## **FINANCIAL INFORMATION**

The company does not public its financial statements. The following information has been provided by our private sources:

USD 2016  
Revenue 1 600 000  
Cash Flow Normal

## **LEGAL FILINGS**

Lawsuits There are not any legal records connected to the subject.

Patents Aerosol ionizer  
Patent number: 9018598  
Abstract: A system and method comprising an ion production chamber having a plasma source disposed in said chamber, a harvest gas disposed to flow through the chamber from an inlet to an outlet, and a jet, said jet operable to introduce a sample into the harvest gas flow. In some embodiments the system includes using helium as the harvest gas. Certain embodiments include introducing a sample perpendicular to the harvest gas flow and using multiple sample introduction jets to increase mixing efficiency. The charge sample may be coupled to a MEMS-based electrometer.  
Type: Grant  
Filed: May 16, 2014  
Date of Patent: April 28, 2015  
Assignee: Brechtel Manufacturing, Inc.  
Inventor: Fredrick J Brechtel

Charged particle detector  
Patent number: 9753013  
Abstract: A system and method comprising a charger for ionizing aerosols; a spectrometer coupled to the charger and

operable to select for a predetermined particle size; a porous charge collector coupled to the spectrometer, and a MEMS electrometer. In some embodiments the charge collector may be a metal frit electrically coupled to the electrometer. The electrometer may include a comb drive actuator coupled to a moving shuttle supported on flexures.

Type: Grant

Filed: May 17, 2014

Date of Patent: September 5, 2017

Assignee: Brechtel Manufacturing, Inc.

Inventors: Fredrick J Brechtel, David A. Horsley, Gerardo Jaramillo

Government Contracts

Department of the Navy  
Department of Defense  
Defense - Basic Research  
Defense - Management and Support  
Defense - Operational Systems Development  
October 22, 2004 \$628,571

National Oceanic and Atmospheric Administration  
Department of Commerce  
Environmental Protection - Operational Systems  
Development  
November 17, 2010 \$149,640

National Aeronautics and Space Administration  
Pressure, Temperature and Humidity Measuring and  
Controlling Instruments  
March 04, 2011 \$95,515

National Oceanic and Atmospheric Administration  
Department of Commerce  
Chemical Analysis Instruments  
August 23, 2007 \$84,625

National Oceanic and Atmospheric Administration  
Department of Commerce  
Geophysical Instruments  
June 01, 2012 \$82,000

Brechtel Manufacturing, Inc. has worked on twenty-eight contracts worth \$1.47 million USD in obligations from the federal government since FY2007. In its latest active fiscal year (2016), the organization received a total of \$71,920 USD in obligations.

The principal agencies it has contracted with are the:  
Department of Defense



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info@mirainform.com  
Website : <http://www.mirainform.com>  
<http://www.miraglobalcheck.com>  
<http://www.miraglobalcollections.com>

Department of Commerce  
National Aeronautics and Space Administration.

Principal Agencies:  
Department of Defense  
Department of Commerce  
National Aeronautics and Space Administration  
Principal Category (NAICS): Research and Development in  
the Physical, Engineering, and Life Sciences (541710)  
Principal Product or Service (PSC): Research and  
Development - Basic Research (AZ11)  
Designations: Small Business, For Profit Organization,  
Manufacturer of Goods, and Non-Tax Exempt Corporate  
Entity  
Organization Type: Corporate Not Tax Exempt

## **SUMMARY**

Brechtel is dedicated to furthering scientific discovery by opening up access to technology.

The company was founded in 1983 by Frederick Brechtel

The company operates mainly for the US government.

It has more than 30 years of experience in the market, with no negative records.

## **RISK INFORMATION**

DEBTS	Controlled
PAYMENTS	Regular
CASH FLOW	Normal
STATUS	ACTIVE

## **INTERVIEW**

NAME	Gloria Tabarez
POSITION	Office Management
COMMENTS	She confirmed address, name, owner name, experience and activity.

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**FOREIGN EXCHANGE RATES**

Currency	Unit	Indian Rupees
US Dollar	1	INR 63.48
UK Pound	1	INR 86.41
Euro	1	INR 76.54
US Dollar	1	INR 63.43

**Note :** Above are approximate rates obtained from sources believed to be correct

**INFORMATION DETAILS**

Analysis Done by :	VAR
Report Prepared by :	TRU

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**RATING EXPLANATIONS**

Credit Rating	Explanation	Rating Comments
A++	Minimum Risk	Business dealings permissible with minimum risk of default
A+	Low Risk	Business dealings permissible with low risk of default
A	Acceptable Risk	Business dealings permissible with moderate risk of default
B	Medium Risk	Business dealings permissible on a regular monitoring basis
C	Medium High Risk	Business dealings permissible preferably on secured basis
D	High Risk	Business dealing not recommended or on secured terms only
NB	New Business	No recommendation can be done due to business in infancy stage
NT	No Trace	No recommendation can be done as the business is not traceable

NB is stated where there is insufficient information to facilitate rating. However, it is not to be considered as unfavourable.

This score serves as a reference to assess SC's credit risk and to set the amount of credit to be extended. It is calculated from a composite of weighted scores obtained from each of the major sections of this report. The assessed factors are as follows:

- Financial condition covering various ratios
- Company background and operations size
- Promoters / Management background
- Payment record
- Litigation against the subject
- Industry scenario / competitor analysis
- Supplier / Customer / Banker review (wherever available)

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