

No attempt has been made to rank the information contained in this report in order of importance, since BPA Worldwide believes this is a judgment which must be made by the user of the report.

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COMPOSITESWORLD is a business-to-business media brand that produces a monthly print magazine, digital media, research and live events for the global composites market. Composites World's editorial team and expert contributors produce information on new product technology, operational best practices, market intelligence and industry news.

BRAND REPORT PURPOSE

The Brand Report provides a deeper understanding and identification of all audited touch points with customers that have interest in the brand. It is designed to present analysis of all communication channels, including a brand's unique users within each channel of, but not across, multiple media platforms. This non-integrated report contains data for each separate media channel as indicated in the Executive Summary. No attempt has been made to identify or eliminate duplication that may exist across media channels.

CHANNELS

**COMPOSITESWORLD
MAGAZINE**



6 Issues in the period
33,247 average circulation

**COMPOSITESWORLD
E-NEWSLETTERS**



2 E-Newsletters in the period
38 total issued in the period
32,032 average per occurrence
31,870 average per occurrence

**COMPOSITESWORLD
WEBSITE**



88,111 average users

EXECUTIVE SUMMARY

Below are the Average contacts per occurrence, including frequency per period reported

	Non-Paid	Paid	Average
COMPOSITESWORLD MAGAZINE (6 issues in the period)	33,247	-	33,247
a. Print	27,891	-	27,891
b. Digital	5,356	-	5,356
1. Requested	5,356	-	5,356
2. Non-Requested	-	-	-
COMPOSITESWORLD E-NEWSLETTERS			
a. CompositesWorld Weekly (26 issued in the period)	32,032	-	32,032
b. CompositesWorld Extra (12 issued in the period)	31,870	-	31,870
COMPOSITESWORLD WEBSITE (Monthly Users with 234,700 average Pageviews)	88,111	-	88,111

FIELD SERVED

COMPOSITESWORLD serves the following fields: fabrication/manufacturing of composites products; OEM/end use of composite structures or components; manufacturing of composites processing machinery/supplies; composites repair facilities; composites tooling/tooling materials manufacturing; composite material manufacturing/converter/ supplier/distributor; government (including NASA, DOT, state, municipality, DOD etc.); civil engineering/construction firms; educational/research/testing facilities; and other fields related to the composites industry.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients include corporate executives as well as company management, manufacturing production, manufacturing engineering, quality assurance and quality control, product design and research & development engineering, purchasing, sales, company copies and other qualified personnel.

AVERAGE NON-QUALIFIED CIRCULATION

NON-QUALIFIED Not Included Elsewhere	Copies
Other Paid Circulation	24
Advertiser and Agency	1,142
Allocated for Trade Shows and Conventions	267
All Other	815
TOTAL	2,248

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

QUALIFIED CIRCULATION	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual Sponsored Individually Addressed	33,247	100.0	33,247	100.0	-	-
Membership Benefit Multi-Copy Same Addressee	-	-	-	-	-	-
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	33,247	100.0	33,247	100.0	-	-

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2017 Issue	Print	Digital	Total Qualified
July	27,950	5,317	33,267
August	27,941	5,333	33,274
September	28,169	5,457	33,626
October	27,902	5,634	33,536
November	27,692	5,189	32,881
December	27,692	5,203	32,895

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2017
 This issue is 1.3% or 439 copies below the average of the other 5 issues reported in Paragraph 2.

BUSINESS/INDUSTRY	TOTAL QUALIFIED	PERCENT OF TOTAL	CLASSIFICATION BY FUNCTION						
			Company Management (B,L)	Manufacturing Production/Engineering (C,D,G,E,V,F,T,R,S)	Product Design/R&D; Quality Assurance/Control (H,I,J,P,Q)	Purchasing (L)	Sales & Marketing (X,Z)	Educational or Government (N)	Other Qualified Titles, N.E.C. (A,U)
Fabricator/Manufacturer of Composites Products	11,156	33.9	5,712	3,932	969	187	283	11	62
OEM/End User of Composites Structures or Component	3,565	10.8	1,061	1,793	526	96	50	10	29
MFG of Composites Processing Machinery/Supplies	1,215	3.7	468	440	114	15	170	1	7
Composites Repair Facility	549	1.7	298	183	35	10	15	4	4
Composites Tooling/Tooling Materials Manufacturer	1,258	3.8	570	448	113	9	103	7	8
Composite Material Manufacturer/Converter/Supplier/Distributor	6,765	20.6	2,645	2,444	876	104	616	11	69
Government (Inc. DOT, State, Municipality, DOD, NASA, Etc.)	1,110	3.4	104	832	133	-	4	18	19
Civil Engineering/ Construction Firm	1,142	3.5	419	549	124	10	24	7	9
Educational/Research/Testing Facility	1,480	4.5	207	370	359	4	27	466	47
Product design/prototyping/consulting firm	3,000	9.1	1,234	1,172	475	9	67	13	30
Other	1,641	5.0	751	479	208	9	133	27	34
TOTAL QUALIFIED CIRCULATION	32,881	100.0	13,469	12,642	3,932	453	1,492	575	318
PERCENT	100.0		41.0	38.4	12.0	1.4	4.5	1.7	1.0

(B,L) COMPANY MANAGEMENT: titles include Chairman, General Manager, Owner, President, Vice President and related titles.

(C,D,G,E,V,F,T,R,S) MANUFACTURING PRODUCTION/ENGINEERING: titles include Mold Coordinator, Mold Design Mgr, Advanced Mfg Director, Mold Dept Supv, Mfg Supervisor, Diemaker, Mold Maker, Machine Operator, Engr Mgr, Chief Engineer, Engr Dept Mgr, Plant Engineer, Process Engineer, Mfg Engineer, Factory Automation Mgr, Systems Design Mgr, Factory Automation Engr, Automn Foreman, CNC Programmer, Systems Engineer and related titles.

(H,I,J,P,Q) PRODUCT DESIGN/R&D; QUALITY ASSURANCE/CONTROL: titles include Design Engr Dir, R&D Director, Design Engineer, Development Engineer, R&D Engineer, Draftsman, Q/A Manager, Q/C Director, Q/C Foreman, Quality Supervisor and related titles.

(L) PURCHASING: titles include Purch Director, Sr Buyer, Purch Manager and related titles.

(X,Z) SALES & MARKETING: titles include Regional Sales Director, National Sales Director, National Accounts Manager, Marketing Director, PR Director and other and related titles.

(N) EDUCATIONAL or GOVERNMENT: titles include Professor, Instructor and other Educational titles.

(A,U) OTHER QUALIFIED TITLES, N.E.C.: includes title not elsewhere classified.

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2017

QUALIFICATION SOURCE	Qualified Within			Total Qualified	Percent
	1 Year	2 Years	3 Years		
I. Direct Request:	20,855	7,103	-	27,958	85.0
II. Request from recipient's company:	-	-	-	-	-
III. Membership Benefit:	-	-	-	-	-
IV. Communication from recipient or recipient's company (other than request):	368	-	-	368	1.1
V. TOTAL – Sources other than above (listed alphabetically):	4,555	-	-	4,555	13.9
Association rosters and directories	-	-	-	-	-
*Business directories	4,548	-	-	4,548	13.9
Manufacturer's, distributor's, and wholesaler's lists	-	-	-	-	-
*Other sources	7	-	-	7	-
VI. Single Copy Sales:	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION PERCENT	25,778	7,103	-	32,881	100.0
	78.4	21.6	-	100.0	

*See Additional Data

AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED CIRCULATION STATEMENTS

6-Month Period Ended:	Audited Data	Audited Data	Audited Data	Audited Data	Circulation Claim	Circulation Claim
	January – June 2015	July – December 2015	January – June 2016	July – December 2016	January – June 2017*	July – December 2017*
Total Audit Average Qualified:	32,480	33,104	32,177	33,262	32,694	33,247
Qualified Non-Paid:	32,480	33,104	32,177	33,262	32,694	33,247
Print:	27,497	27,943	27,843	28,148	27,802	27,891
Digital:	4,983	5,161	4,334	5,114	4,892	5,356
Qualified Paid:	-	-	-	-	-	-
Print:	-	-	-	-	-	-
Digital:	-	-	-	-	-	-
Post Expire Copies included in Total Qualified Circulation:	**NC	**NC	**NC	**NC	**NC	**NC
Average Annual Order Price:	**NC	**NC	**NC	**NC	**NC	**NC

*NOTE: January – December 2017 data is unaudited. With each successive period, new data will be added until six 6-month periods are displayed.

**NC = None Claimed.

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2017*

State	Total Qualified	Percent	State	Total Qualified	Percent
Maine	151		Kentucky	267	
New Hampshire	199		Tennessee	509	
Vermont	76		Alabama	377	
Massachusetts	648		Mississippi	125	
Rhode Island	171		EAST SO. CENTRAL	1,278	3.9
Connecticut	510		Arkansas	151	
NEW ENGLAND	1,755	5.3	Louisiana	181	
New York	1,007		Oklahoma	292	
New Jersey	521		Texas	1,548	
Pennsylvania	1,054		WEST SO. CENTRAL	2,172	6.6
MIDDLE ATLANTIC	2,582	7.9	Montana	68	
Ohio	1,884		Idaho	116	
Indiana	852		Wyoming	45	
Illinois	1,215		Colorado	369	
Michigan	1,761		New Mexico	91	
Wisconsin	914		Arizona	412	
EAST NO. CENTRAL	6,626	20.2	Utah	375	
Minnesota	687		Nevada	121	
Iowa	327		MOUNTAIN	1,597	4.9
Missouri	527		Alaska	28	
North Dakota	74		Washington	777	
South Dakota	92		Oregon	336	
Nebraska	169		California	3,019	
Kansas	375		Hawaii	25	
WEST NO. CENTRAL	2,251	6.8	PACIFIC	4,185	12.7
Delaware	79		UNITED STATES	26,145	79.5
Maryland	336		U.S. Territories	24	
Washington, DC	29		Canada	1,430	
Virginia	455		Mexico	93	
West Virginia	88		Other International	5,189	
North Carolina	742		APO/FPO	-	
South Carolina	411				
Georgia	548				
Florida	1,011				
SOUTH ATLANTIC	3,699	11.2			
			TOTAL QUALIFIED CIRCULATION	32,881	100.0

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2017*

Region/Country	Total Qualified	Percent
ASIA		
Azerbaijan	1	
Bangladesh	2	
China	133	
Hong Kong - SAR	21	
India	494	
Indonesia	20	
Japan	104	
Korea, Republic Of	74	
Malaysia	40	
Pakistan	22	
Philippines	18	
Singapore	69	
Sri Lanka	10	
Taiwan	105	
Thailand	38	
Vietnam	11	
Subtotal	1,162	3.5
MIDDLE EAST		
Bahrain	3	
Iran	1	
Iraq	5	
Israel	55	
Kuwait	4	
Lebanon	1	
Oman	3	
Qatar	3	
Saudi Arabia	24	
United Arab Emirates	38	
Subtotal	137	0.4
EUROPE		
Austria	59	
Belarus	1	
Belgium	109	
Bulgaria	10	
Croatia	8	
Cyprus	2	
Czech Republic	35	
Denmark	32	
Estonia	4	
Finland	53	
France	298	
Germany	392	
Greece	32	
Hungary	19	
Iceland	3	
Ireland	38	
Italy	216	
Latvia	3	
Liechtenstein	1	
Lithuania	3	
Luxembourg	19	
Macedonia	5	
Malta	2	
Monaco	2	
Netherlands	209	
Norway	29	
Poland	46	
Portugal	55	
Romania	23	
Russian Federation	58	
Serbia	5	

*See Additional Data

Region/Country	Total Qualified	Percent
Slovakia	6	
Slovenia	13	
Spain	268	
Sweden	83	
Switzerland	96	
Turkey	140	
Ukraine	20	
United Kingdom	817	
Subtotal	3,214	9.8
AFRICA		
Algeria	3	
Cote D'Ivoire	1	
Egypt	9	
Ghana	3	
Kenya	5	
Madagascar	1	
Mauritius	2	
Morocco	2	
Nigeria	5	
South Africa	78	
Tunisia	7	
Subtotal	116	0.4
NORTH AMERICA		
Canada	1,430	
Mexico	93	
United States	26,145	
Subtotal	27,668	84.1
CARIBBEAN		
Bahamas	1	
Dominican Republic	1	
Jamaica	1	
Puerto Rico	23	
Trinidad and Tobago	1	
Turks and Caicos Islands	1	
Virgin Islands, U.S.	1	
Subtotal	29	0.1
CENTRAL AMERICA		
Costa Rica	4	
El Salvador	1	
Guatemala	3	
Subtotal	8	-
SOUTH AMERICA		
Argentina	45	
Bolivia	1	
Brazil	117	
Chile	18	
Colombia	43	
Ecuador	7	
Paraguay	1	
Peru	8	
Uruguay	3	
Venezuela	9	
Subtotal	252	0.8
ASIA PACIFIC		
Australia	213	
New Zealand	81	
Papua New Guinea	1	
Subtotal	295	0.9
TOTAL QUALIFIED CIRCULATION	32,881	100.0

E-NEWSLETTER CHANNEL

2017	CompositesWorld Weekly	CompositesWorld Extra	2017	CompositesWorld Weekly	CompositesWorld Extra
JULY			OCTOBER		
July 5	31,267	-	October 3	32,863	-
July 11	31,273	-	October 10	33,051	-
July 13	-	31,250	October 12	-	33,010
July 18	31,196	-	October 17	32,976	-
July 25	31,177	-	October 24	32,881	-
July 27	-	31,124	October 26	-	32,816
AUGUST			NOVEMBER		
August 1	31,068	-	November 7	32,655	-
August 8	31,052	-	November 14	32,648	-
August 10	-	31,056	November 16	-	32,538
August 15	30,993	-	November 21	32,468	-
August 22	30,961	-	November 28	32,716	-
August 24	-	31,002	November 30	-	32,705
August 29	30,914	-	DECEMBER		
SEPTEMBER			December 5	32,162	-
September 6	30,904	-	December 12	32,102	-
September 12	33,037	-	December 14	-	32,070
September 14	-	30,052	December 19	32,023	-
September 19	32,956	-	December 21	-	31,939
September 26	32,948	-	December 27	31,821	-
September 29	-	32,873	AVERAGE:		
				32,032	31,870

CompositesWorld Weekly (26 issued in the period)
CompositesWorld Extra (12 issued in the period)

WEBSITE CHANNEL

WWW.COMPOSITESWORLD.COM

2017	PAGEVIEWS	SESSIONS	USERS	AVERAGE SESSION DURATION
July	228,117	125,951	84,478	1:49
August	246,067	132,952	88,038	1:53
September	230,045	128,665	86,918	1:47
October	259,630	148,972	98,580	1:48
November	242,503	136,441	93,295	1:53
December	201,838	113,481	77,357	1:54
AVERAGE:	234,700	131,077	88,111	1:50

July - December 2017 data was provided by Google Analytics. All website activity is audited by BPA Worldwide.

WEBSITE GLOSSARY

Pageviews: A Pageview is recorded each time a page implanted with the JavaScript code (tag) is displayed in a browser window. This will occur whether the page is served directly from the web server, from a proxy, or from the browser's cache.

Sessions: A single continuous set of activity attributable to a cookie browser resulting in one or more pulled text and/or graphics downloads from a site. A period of 30 minutes of inactivity will terminate the session.

Users: An identified and unduplicated Cookie Browser that accesses Internet content or advertising during a measurement period.

Average Session Duration: The time visitors remain on a site per session.

For info on how to obtain online ad campaign performance metrics across multiple sites, visit www.adicompli.com

ADDITIONAL DATA

METHOD OF DISTRIBUTION:

All qualified circulation conforms to the field served and definition of recipient qualification, as reported. Print copies are distributed via postal services or other carriers. Recipients of the digital version are notified via email when the version is available.

STATEMENT OF CONTENT PLATFORM:

Editorial Replica - If a print edition exists, editorial and design are unchanged from the original print edition. Each issue's content and design are identical to the original edition. Apart from minor updates, the content cannot change once the issue is made available.

MAGAZINE:

PARAGRAPH 3b:

Business Directories include 2 sources of circulation for quantities of 1,589 copies or 4.9% to 2,959 copies or 9.0%. Other sources include 1 source of circulation for a quantity of 7 copies or -%.

GEOGRAPHIC DISTRIBUTION:

Geographic data for E-Newsletters and Website are not reported at the media owner's option.

PUBLISHER'S AFFIDAVIT

We hereby make oath and say that all data set forth in this statement are true.

Ryan Delahanty, Publisher

Julie Ball, Audience Development Manager

(At least one of the above signatures must be that of an officer of the publishing company or its authorized representative.)

IMPORTANT NOTE:

This unaudited brand report has been checked against the previous audit report.

It will be included in the annual audit made by BPA Worldwide.

Date signed	January 15, 2018
State	Ohio
County	Hamilton
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About BPA Worldwide:

A not-for-profit organization since 1931, BPA Worldwide is governed by a tripartite board comprised of media owners, advertising agencies and advertisers. Headquartered in Shelton, Connecticut, USA, BPA has the largest membership of any media-auditing organization in the world, spanning more than 30 countries. Globally, BPA audits media properties including consumer magazines, newspapers, web sites, events, email newsletters, databases, wireless, social media and other advertiser-supported media—as well as advertiser and agency members. Visit www.bpawww.com for the latest audit reports, membership information and publishing and advertising industry news.