

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
32,998 average circulation

COMPOSITESWORLD E-NEWSLETTERS



3 E-Newsletters in the period
54 total issued in the period
28,645 average per occurrence
32,635 average per occurrence
35,578 average per occurrence

COMPOSITESWORLD WEBSITE



105,171 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)	32,998	-	32,998
a. Print	27,867	-	27,867
b. Digital	5,131	-	5,131
1. Requested	5,131	-	5,131
2. Non-Requested	-	-	-
COMPOSITESWORLD E-NEWSLETTERS			
a. CompositesWorld Weekly (18 issued in the period)	28,645	-	28,645
b. CompositesWorld Extra (13 issued in the period)	32,635	-	32,635
c. CW Today (23 issued in the period)	35,578	-	35,578
COMPOSITESWORLD WEBSITE (Monthly Users with 273,973 average Pageviews)	105,171	-	105,171

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	30
Advertiser and Agency	1,073
Allocated for Trade Shows and Conventions	325
All Other	866
TOTAL	2,294

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	32,998	100.0	32,998	100.0	-	-
Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
Multi-Copy Same Addressee	-	-	-	-	-	-
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	32,998	100.0	32,998	100.0	-	-

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2018 Issue	Print	Digital	Total Qualified
July	27,984	5,345	33,329
August	28,016	5,375	33,391
September	27,912	5,346	33,258
October	27,704	5,324	33,028
November	27,791	4,743	32,534
December	27,797	4,654	32,451

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018

This issue is 1.7% or 557 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)	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	15,940	49.0	6,955	6,058	1,681	268	837	28	113
OEM/End User of Composites Structures or Component	4,913	15.1	1,211	2,656	721	138	139	14	34
MFG of Composites Processing Machinery/Supplies	364	1.1	132	147	29	7	46	1	2
Composites Repair Facility	140	0.4	74	54	9	1	2	-	-
Composites Tooling/Tooling Materials Manufacturer	408	1.3	167	174	26	4	30	4	3
Composite Material Manufacturer/Converter/Supplier/Distributor	1,800	5.5	661	675	213	34	188	7	22
Government (Inc. DOT, State, Municipality, DOD, NASA, Etc.)	1,125	3.5	104	841	142	3	4	14	17
Civil Engineering/Construction Firm	305	0.9	104	152	37	3	7	2	-
Educational/Research/Testing Facility	1,580	4.9	241	404	377	7	29	462	60
Product Design/Prototyping/Consulting Firm	4,370	13.4	1,829	1,704	614	33	133	16	41
Other	1,589	4.9	681	623	126	38	100	3	18
TOTAL QUALIFIED CIRCULATION	32,534	100.0	12,159	13,488	3,975	536	1,515	551	310
PERCENT			37.4	41.4	12.2	1.6	4.7	1.7	1.0

(B) 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, Automm 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 2018

Qualification Source	Qualified Within			Print	Digital	Total Qualified	Percent
	1 Year	2 Years	3 Years				
I. Direct Request:	20,666	7,714	-	23,637	4,743	28,380	87.2
II. Request from recipient's company:	-	-	-	-	-	-	-
III. Membership Benefit:	-	-	-	-	-	-	-
IV. *Communication from recipient or recipient's company (other than request):	4,154	-	-	4,154	-	4,154	12.8
V. TOTAL – Sources other than above (listed alphabetically):	-	-	-	-	-	-	-
Association rosters and directories	-	-	-	-	-	-	-
Business directories	-	-	-	-	-	-	-
Manufacturer's, distributor's, and wholesaler's lists	-	-	-	-	-	-	-
Other sources	-	-	-	-	-	-	-
VI. Single Copy Sales:	-	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	24,820	7,714	-	27,791	4,743	32,534	100.0
PERCENT	76.3	23.7	-	85.4	14.6	100.0	

*See Additional Data

AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED BRAND REPORTS

6-Month Period Ended:	Audited Data	Audited Data	Audited Data	Audited Data	Circulation Claim	Circulation Claim
	January – June 2016	July – December 2016	January – June 2017	July – December 2017	January – June 2018*	July – December 2018*
Total Audit Average Qualified:	32,177	33,262	32,694	33,247	32,824	32,998
Qualified Non-Paid:	32,177	33,262	32,694	33,247	32,824	32,998
Print:	27,843	28,148	27,802	27,891	27,616	27,867
Digital:	4,334	5,114	4,892	5,356	5,208	5,131
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 2018 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 2018*

State	Print	Digital	Total Qualified	Percent	State	Print	Digital	Total Qualified	Percent
Maine	162	-	162		Kentucky	240	-	240	
New Hampshire	201	-	201		Tennessee	492	-	492	
Vermont	83	-	83		Alabama	318	-	318	
Massachusetts	662	-	662		Mississippi	109	-	109	
Rhode Island	163	-	163		EAST SO. CENTRAL	1,159	-	1,159	3.6
Connecticut	502	-	502		Arkansas	133	-	133	
NEW ENGLAND	1,773	-	1,773	5.4	Louisiana	147	-	147	
New York	1,048	-	1,048		Oklahoma	285	-	285	
New Jersey	496	-	496		Texas	1,462	-	1,462	
Pennsylvania	1,181	-	1,181		WEST SO. CENTRAL	2,027	-	2,027	6.2
MIDDLE ATLANTIC	2,725	-	2,725	8.4	Montana	58	-	58	
Ohio	2,012	-	2,012		Idaho	118	-	118	
Indiana	861	-	861		Wyoming	42	-	42	
Illinois	1,239	-	1,239		Colorado	314	-	314	
Michigan	1,749	-	1,749		New Mexico	83	-	83	
Wisconsin	1,017	-	1,017		Arizona	371	-	371	
EAST NO. CENTRAL	6,878	-	6,878	21.1	Utah	331	-	331	
Minnesota	793	-	793		Nevada	100	-	100	
Iowa	321	-	321		MOUNTAIN	1,417	-	1,417	4.4
Missouri	530	-	530		Alaska	29	-	29	
North Dakota	71	-	71		Washington	753	-	753	
South Dakota	86	-	86		Oregon	300	-	300	
Nebraska	184	-	184		California	2,693	-	2,693	
Kansas	336	-	336		Hawaii	19	-	19	
WEST NO. CENTRAL	2,321	-	2,321	7.1	PACIFIC	3,794	-	3,794	11.7
Delaware	72	-	72		UNITED STATES	25,499	-	25,499	78.4
Maryland	318	-	318		U.S. Territories	27	-	27	
Washington, DC	22	-	22		Canada	2,162	-	2,162	
Virginia	484	-	484		Mexico	103	-	103	
West Virginia	81	-	81		Other International	-	4,743	4,743	
North Carolina	670	-	670		APO/FPO	-	-	-	
South Carolina	385	-	385						
Georgia	464	-	464						
Florida	909	-	909						
SOUTH ATLANTIC	3,405	-	3,405	10.5					
					TOTAL QUALIFIED CIRCULATION	27,791	4,743	32,534	100.0

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018*

Region/Country	Print	Digital	Total Qualified	Percent	Region/Country	Print	Digital	Total Qualified	Percent
ASIA					Slovakia	-	3	3	
Azerbaijan	-	1	1		Slovenia	-	16	16	
Bangladesh	-	1	1		Spain	-	238	238	
China	-	118	118		Sweden	-	82	82	
Hong Kong - SAR	-	20	20		Switzerland	-	84	84	
India	-	440	440		Turkey	-	148	148	
Indonesia	-	19	19		Ukraine	-	17	17	
Japan	-	107	107		United Kingdom	-	761	761	
Korea, Democratic People's Republic of	-	66	66		Subtotal	-	2,929	2,929	9.0
Malaysia	-	38	38		AFRICA				
Pakistan	-	22	22		Algeria	-	3	3	
Philippines	-	14	14		Egypt	-	6	6	
Singapore	-	67	67		Ethiopia	-	1	1	
Sri Lanka	-	9	9		Ghana	-	3	3	
Taiwan	-	88	88		Kenya	-	2	2	
Thailand	-	40	40		Libyan Arab Jamahiriya	-	1	1	
Vietnam	-	10	10		Madagascar	-	1	1	
Subtotal	-	1,060	1,060	3.3	Mauritius	-	2	2	
MIDDLE EAST					Morocco	-	1	1	
Bahrain	-	3	3		Nigeria	-	4	4	
Iran	-	1	1		South Africa	-	76	76	
Iraq	-	3	3		Tunisia	-	7	7	
Israel	-	49	49		Subtotal	-	107	107	0.3
Kuwait	-	1	1		NORTH AMERICA				
Lebanon	-	1	1		Canada	2,162	-	2,162	
Oman	-	6	6		Mexico	103	-	103	
Qatar	-	4	4		United States	25,499	-	25,499	
Saudi Arabia	-	23	23		Subtotal	27,764	-	27,764	85.3
United Arab Emirates	-	35	35		CARIBBEAN				
Subtotal	-	126	126	0.4	Bahamas	-	1	1	
EUROPE					Haiti	-	1	1	
Austria	-	51	51		Puerto Rico	26	-	26	
Belarus	-	2	2		Trinidad and Tobago	-	2	2	
Belgium	-	89	89		Virgin Islands, U.S.	1	-	1	
Bosnia and Herzegovina	-	1	1		Subtotal	27	4	31	0.1
Bulgaria	-	7	7		CENTRAL AMERICA				
Croatia	-	6	6		Costa Rica	-	3	3	
Czech Republic	-	33	33		El Salvador	-	1	1	
Denmark	-	30	30		Subtotal	-	4	4	-
Estonia	-	2	2		SOUTH AMERICA				
Finland	-	47	47		Argentina	-	54	54	
France	-	244	244		Bolivia	-	1	1	
Germany	-	359	359		Brazil	-	108	108	
Greece	-	32	32		Chile	-	15	15	
Hungary	-	18	18		Colombia	-	39	39	
Iceland	-	4	4		Ecuador	-	6	6	
Ireland	-	31	31		Paraguay	-	1	1	
Italy	-	205	205		Peru	-	9	9	
Latvia	-	4	4		Uruguay	-	1	1	
Liechtenstein	-	1	1		Venezuela	-	9	9	
Lithuania	-	3	3		Subtotal	-	243	243	0.8
Luxembourg	-	19	19		ASIA PACIFIC				
Macedonia	-	5	5		Australia	-	198	198	
Malta	-	3	3		New Zealand	-	71	71	
Monaco	-	3	3		Papua New Guinea	-	1	1	
Netherlands	-	187	187		Subtotal	-	270	270	0.8
Norway	-	25	25		TOTAL QUALIFIED CIRCULATION				
Poland	-	48	48			27,791	4,743	32,534	100.0
Portugal	-	51	51						
Romania	-	20	20						
Russian Federation	-	46	46						
Serbia	-	4	4						

*See Additional Data

E-NEWSLETTER CHANNEL

2018	CompositesWorld Weekly	CompositesWorld Extra	CW Today	2018	CompositesWorld Weekly	CompositesWorld Extra	CW Today
JULY				NOVEMBER			
July 3	31,519	-	-	November 5	-	-	37,438
July 10	31,479	-	-	November 7	-	-	36,899
July 11	-	31,465	-	November 8	-	36,967	-
July 12	-	31,436	-	November 9	-	-	35,789
July 17	30,524	-	-	November 12	-	-	36,752
July 24	31,133	-	-	November 14	-	-	36,520
July 26	-	31,128	-	November 16	-	-	34,243
July 31	31,011	-	-	November 19	-	-	34,679
AUGUST				NOVEMBER			
August 7	30,822	-	-	November 21	-	-	34,495
August 9	-	30,771	-	November 23	-	-	33,911
August 14	27,602	-	-	November 26	-	-	34,358
August 21	27,577	-	-	November 28	-	-	34,358
August 23	-	30,608	-	November 29	-	36,347	-
August 28	27,496	-	-	November 30	-	-	33,861
SEPTEMBER				DECEMBER			
September 4	27,457	-	-	December 3	-	-	36,028
September 11	27,415	-	-	December 5	-	-	34,975
September 13	-	30,433	-	December 7	-	-	35,639
September 18	27,341	-	-	December 10	-	-	36,120
September 25	27,279	-	-	December 12	-	-	36,116
September 27	-	30,285	-	December 13	-	37,003	-
OCTOBER				DECEMBER			
October 2	27,223	-	-	December 14	-	-	36,099
October 9	27,484	-	-	December 17	-	-	36,006
October 11	-	30,485	-	December 19	-	-	36,070
October 16	27,468	-	-	December 21	-	-	36,023
October 23	27,420	-	-	December 26	-	-	36,049
October 25	-	30,369	-	December 27	-	36,954	-
October 30	27,351	-	-	December 28	-	-	35,869
				AVERAGE:	28,645	32,635	35,578

CompositesWorld Weekly (18 issued in the period)
 CompositesWorld Extra (13 issued in the period)
 CW Today (23 issued in the period)

WEBSITE CHANNEL

WWW.COMPOSITESWORLD.COM

2018	Pageviews	Sessions	Users	Average Session Duration
July	276,824	156,206	109,269	1:57
August	277,978	151,079	104,508	2:04
September	260,077	146,330	101,268	1:58
October	295,539	166,965	116,020	1:54
November	291,368	163,393	109,905	1:56
December	242,057	132,719	90,057	2:04
AVERAGE:	273,973	152,782	105,171	1:58

July - December 2018 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.

ADDITIONAL DATA

MAGAZINE: 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.

PARAGRAPH 3b:

Communication from recipient or recipient's company (other than request) includes 3 sources of circulation for quantities of 700 copies or 2.2% to 2,679 copies or 8.2%.

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 25, 2019
State	Ohio
County	Hamilton
Received by BPA Worldwide	January 25, 2019
Type	BD
ID Number	C391B0D8

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.bpaww.com for the latest audit reports, membership information and publishing and advertising industry news.