

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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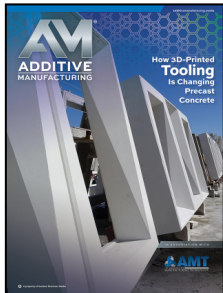
ADDITIVE MANUFACTURING is a business-to-business media brand that produces a bi-monthly print magazine, digital media, research and live events for the industrial 3D printing for discreet part production market. With an emphasis on applications stories and case histories, Additive Manufacturing provides insight into real world applications of additive production technology, helping the subscriber to discover, not only what the technology can do, but how it can change their business, how it can help them serve their customers better and how they can be more profitable as a business enterprise.

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.

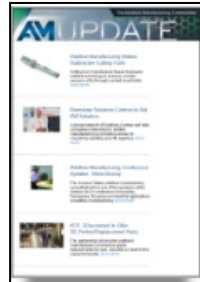
CHANNELS

ADDITIVE MANUFACTURING MAGAZINE



3 issues in the period
20,090 average circulation

ADDITIVE MANUFACTURING E-NEWSLETTER



12 issued in the period
43,389 average per occurrence

ADDITIVE MANUFACTURING WEBSITE



13,966 average users

EXECUTIVE SUMMARY

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

	Non-Paid	Paid	Average
ADDITIVE MANUFACTURING MAGAZINE (3 issues in the period)	20,090	-	20,090
ADDITIVE MANUFACTURING E-NEWSLETTER (12 issued in the period)	43,389	-	43,389
ADDITIVE MANUFACTURING WEBSITE (Monthly Users with 36,034 average Pageviews)	13,966	-	13,966

FIELD SERVED

ADDITIVE MANUFACTURING serves the manufacturing industry. Included are plants performing and potentially performing additive manufacturing. Also served are other manufacturing, wholesale trade, and professional, scientific, technical, and educational services.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients include corporate executives as well as company management, manufacturing production and manufacturing engineering management and departments, quality assurance and quality control management and department, product design management and department, research & development management and department, factory automation management and department, purchasing and other titled and non-titled personnel and company copies.

AVERAGE NON-QUALIFIED CIRCULATION

Non-Qualified Not Included Elsewhere	Copies
Other Paid Circulation	4
Advertiser and Agency	465
Allocated for Trade Shows and Conventions	1,433
All Other	646
TOTAL	2,548

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR PERIOD

Qualified Circulation	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual	20,090	100.0	20,090	100.0	-	-
Sponsored Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
Multi-Copy Same Addressee	-	-	-	-	-	-
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	20,090	100.0	20,090	100.0	-	-

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2018 Issue	Total Qualified
January	20,078
March	20,056
May	20,137

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

This issue is 0.3% or 70 copies above the average of the other 2 issues reported in Paragraph 2.

Business and Industry	Total Qualified	Percent of Total	Company Management; Purchasing (B,L)	Production or Manufacturing Engineering (C,D,E,F,G,R,S,T,V)	Quality; Design; Research (H,I,J,P,Q)	Educational or Government (N)	Sales & Marketing (X,Z)	Other NEC (A,U)
332 FABRICATED METAL PRODUCT MANUFACTURING								
3321 Forging and Stamping	168	0.8	47	97	16	-	4	4
3322 Cutlery and Handtool Manufacturing	99	0.5	31	53	11	-	4	-
3323 Architectural and Structural Metals Manufacturing	223	1.1	73	124	14	1	8	3
3324 Boiler, Tank, and Shipping Container Manufacturing	21	0.1	3	14	4	-	-	-
3325 Hardware Manufacturing	63	0.3	15	35	9	-	3	1
3326 Spring and Wire Product Manufacturing	43	0.2	13	20	9	-	1	-
3327 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	2,766	13.8	1,468	1,067	120	5	88	18
3328 Coating, Engraving, Heat Treating, and Allied Activities	116	0.6	65	28	9	-	12	2
3329 Other Fabricated Metal Product Manufacturing	782	3.9	313	380	72	2	15	-
Subtotal 332	4,281	21.3	2,028	1,818	264	8	135	28
333 MACHINERY MANUFACTURING								
3331 Agriculture, Construction, and Mining Machinery Manufacturing	288	1.4	56	187	39	-	3	3
3332 Industrial Machinery Manufacturing	345	1.7	92	171	47	1	28	6
3333 Commercial and Service Industry Machinery Manufacturing	191	0.9	39	95	49	-	8	-
3334 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	93	0.5	19	53	14	-	6	1
3335 Metalworking Machinery Manufacturing	1,770	8.8	661	774	138	4	178	15
3336 Engine, Turbine, and Power Transmission Equipment Manufacturing	229	1.1	37	155	36	-	-	1
3339 Other General Purpose Machinery Manufacturing	698	3.5	183	401	77	2	34	1
Subtotal 333	3,614	17.9	1,087	1,836	400	7	257	27
334 COMPUTER AND ELECTRONIC PRODUCT MANUFACTURING								
3341 Computer and Peripheral Equipment Manufacturing	57	0.3	12	35	9	-	1	-
3342 Communications Equipment Manufacturing	118	0.6	25	76	14	-	1	2
3343 Audio and Video Equipment Manufacturing	17	0.1	1	12	4	-	-	-
3344 Semiconductor and Other Electronic Component Manufacturing	272	1.3	48	166	48	1	4	5
3345 Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	571	2.8	102	362	86	1	18	2
3346 Manufacturing and Reproducing Magnetic and Optical Media	22	0.1	4	10	3	1	4	-
Subtotal 334	1,057	5.2	192	661	164	3	28	9

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2018 (CONTINUED)

Business and Industry	Total Qualified	Percent of Total	Company Management; Purchasing (B,L)	Production or Manufacturing Engineering (C,D,E,F,G,R,S,T,V)	Quality; Design; Research (H,I,J,P,Q)	Educational or Government (N)	Sales & Marketing (X,Z)	Other NEC (A,U)
335 ELECTRICAL EQUIPMENT APPLIANCE AND COMPONENT MANUFACTURING								
3351 Electric Lighting Equipment Manufacturing	53	0.3	19	29	4	-	1	-
3352 Household Appliance Manufacturing	36	0.2	3	26	7	-	-	-
3353 Electrical Equipment Manufacturing	211	1.0	46	125	32	1	5	2
3359 Other Electrical Equipment and Component Manufacturing	263	1.3	68	129	49	2	13	2
Subtotal 335	563	2.8	136	309	92	3	19	4
336 TRANSPORTATION EQUIPMENT MANUFACTURING								
3361 Motor Vehicle Manufacturing	207	1.0	42	126	35	-	1	3
3362 Motor Vehicle Body and Trailer Manufacturing	114	0.6	35	57	20	-	2	-
3363 Motor Vehicle Parts Manufacturing	971	4.8	245	583	121	2	9	11
3364 Aerospace Product and Parts Manufacturing	1,483	7.4	235	1,003	207	7	27	4
3365 Railroad Rolling Stock Manufacturing	32	0.1	8	20	4	-	-	-
3366 Ship and Boat Building	131	0.7	52	57	17	-	4	1
3369 Other Transportation Equipment Manufacturing	113	0.6	36	55	19	-	-	3
Subtotal 336	3,051	15.2	653	1,901	423	9	43	22
337 Furniture and Related Product Manufacturing	62	0.3	22	26	13	-	1	-
339 MISCELLANEOUS MANUFACTURING								
3391 Medical Equipment and Supplies Manufacturing	716	3.6	154	446	108	1	4	3
3399 Other Miscellaneous Manufacturing	409	2.0	157	170	67	3	11	1
Subtotal 339	1,125	5.6	311	616	175	4	15	4
311-331 Miscellaneous Manufacturing Other	3,340	16.6	988	1,523	581	12	205	31
Subtotal Manufacturing	17,093	84.9	5,417	8,690	2,112	46	703	125
42 Wholesale Trade	767	3.8	313	159	42	2	244	7
541 Professional Services	1,353	6.7	589	449	213	30	54	18
Miscellaneous Others	924	4.6	264	304	97	201	44	14
TOTAL QUALIFIED CIRCULATION	20,137	100.0	6,583	9,602	2,464	279	1,045	164
PERCENT	100.0		32.7	47.7	12.2	1.4	5.2	0.8

(B,L) COMPANY MANAGEMENT; PURCHASING: Titles include Chairman, General MGR, Owner, Partner, President, Purchasing MGR, Buyer and other related titles.
(C,D,E,F,G,R,S,T,V) PRODUCTION OR MANUFACTURING ENGINEERING: Titles include Director or Mfg. Engr, Plant Manager, Factory Manager, CNC Programmer, Foreman, Plant Supervisor and other related titles.
(H,I,J,P,Q) QUALITY; DESIGN; RESEARCH: Titles include Q/A MGR, Quality Supervisor, Dir. of Design Engr, Q/C Director and other related titles.
(N) EDUCATIONAL OR GOVERNMENT: titles include Professor, Instructor and other Educational titles.
(X,Z) SALES & MARKETING: titles include Regional Sales Director, National Sales Director, National Accounts Manager, Marketing Director, PR Director and other sales/marketing titles.
(A,U) OTHER QUALIFIED TITLES, N.E.C.

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2018

Qualification Source	Qualified Within			Total Qualified	Percent
	1 Year	2 Years	3 Years		
I. Direct Request:	8,392	11,396	-	19,788	98.3
II. Request from recipient's company:	-	-	-	-	-
III. Membership Benefit:	-	-	-	-	-
IV. Communication from recipient or recipient's company (other than request):	185	-	-	185	0.9
V. TOTAL - Sources other than above (listed alphabetically):	164	-	-	164	0.8
Association rosters and directories	-	-	-	-	-
Business directories	164	-	-	164	0.8
Manufacturer's, distributor's, and wholesaler's lists	-	-	-	-	-
Other sources	-	-	-	-	-
VI. Single Copy Sales:	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	8,741	11,396	-	20,137	100.0
PERCENT	43.4	56.6	-	100.0	

AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED CIRCULATION STATEMENTS

6-Month Period Ended:	Audited Data	Circulation Claim
	July - December 2017	January - June 2018*
Total Audit Average Qualified:	20,227	20,090
Qualified Non-Paid:	20,227	20,090
Qualified Paid:	-	-
Post Expire Copies included in Total Qualified Circulation:	**NC	**NC
Average Annual Order Price:	**NC	**NC

*NOTE: January - June 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 MAY 2018*

State	Total Qualified	Percent	State	Total Qualified	Percent
Maine	68		Kentucky	189	
New Hampshire	173		Tennessee	305	
Vermont	50		Alabama	169	
Massachusetts	509		Mississippi	55	
Rhode Island	92		EAST SO. CENTRAL	718	3.6
Connecticut	426		Arkansas	73	
NEW ENGLAND	1,318	6.5	Louisiana	91	
New York	794		Oklahoma	109	
New Jersey	383		Texas	863	
Pennsylvania	983		WEST SO. CENTRAL	1,136	5.6
MIDDLE ATLANTIC	2,160	10.7	Montana	37	
Ohio	1,600		Idaho	59	
Indiana	668		Wyoming	16	
Illinois	1,265		Colorado	246	
Michigan	1,538		New Mexico	47	
Wisconsin	911		Arizona	262	
EAST NO. CENTRAL	5,982	29.7	Utah	215	
Minnesota	637		Nevada	58	
Iowa	212		MOUNTAIN	940	4.7
Missouri	368		Alaska	13	
North Dakota	35		Washington	464	
South Dakota	48		Oregon	193	
Nebraska	92		California	1,787	
Kansas	196		Hawaii	10	
WEST NO. CENTRAL	1,588	7.9	PACIFIC	2,467	12.3
Delaware	45		UNITED STATES	18,504	91.9
Maryland	218		U.S. Territories	22	
Washington, DC	14		Canada	1,428	
Virginia	278		Mexico	183	
West Virginia	40		Other International	-	
North Carolina	457		APO/FPO	-	
South Carolina	248				
Georgia	319				
Florida	576				
SOUTH ATLANTIC	2,195	10.9			
			TOTAL QUALIFIED CIRCULATION	20,137	100.0

*See Additional Data

E-NEWSLETTER CHANNEL

2018

Additive Manufacturing Update

Month	Count
JANUARY	
January 9	44,508
January 23	44,605
FEBRUARY	
February 13	44,392
February 27	44,157
MARCH	
March 13	43,595
March 27	40,565
APRIL	
April 10	43,928
April 24	43,914
MAY	
May 9	43,399
May 22	43,577
JUNE	
June 12	42,098
June 26	41,925
AVERAGE:	43,389

Additive Manufacturing Update (12 issued in the period)

WEBSITE CHANNEL

[HTTP://WWW.ADDITIVEMANUFACTURING.MEDIA/](http://www.additivemanufacturing.media/)

2018	Pageviews	Sessions	Users	Average Session Duration
January	32,438	19,867	12,230	1:35
February	38,786	22,541	14,715	1:50
March	36,888	22,173	13,710	1:42
April	35,929	22,595	14,310	1:35
May	36,904	23,241	14,471	1:33
June	35,263	22,138	14,361	1:34
AVERAGE:	36,034	22,092	13,966	1:38

January – June 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:

CHANGE IN FREQUENCY:

Effective with the January 2018 issue, Additive Manufacturing changed its frequency from 4 to 6 issues per year.

GEOGRAPHIC DISTRIBUTION:

Geographic data for E-Newsletter 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.

Travis Egan, 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 August 29, 2018

State Ohio

County Hamilton

Received by BPA Worldwide August 29, 2018

Type BD

ID Number A646B0J8

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.