



BRAND REPORT

FOR THE 6 MONTH PERIOD ENDED JUNE 2018



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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TCT MAGAZINE is home to three publications in the form of the North American Edition, Europe Edition and German Language Edition. TCT Magazine is part of TCT Group, whose mission is to accelerate the adoption of technologies that power innovation in the design-to-manufacturing process chain. Enabling companies across the complete spectrum of industry to achieve the goal of world-class design and manufacturing functions within their organisations.

Through print, digital and social media TCT Magazine delivers business-critical insights, intelligence and inspiration across Europe and North America on 3D printing, additive manufacturing, CAD/CAM/CAE, metrology, inspection and materials as well as highlighting the latest developments in conventional manufacturing processes such as moulding, casting and CNC machining.

TCT Magazine provides recipients in aerospace, automotive, healthcare, consumer goods, industrial products, jewellery and more with access to thought leadership, super-user applications and cutting-edge research.

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

TCT MAGAZINE



3 issues in the period
 17,063 average circulation

TCT MAGAZINE WEBSITE



33,404 average users

TCT MAGAZINE SOCIAL MEDIA



See below for social media figures

EXECUTIVE SUMMARY

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

	Non-Paid	Paid	Average
TCT MAGAZINE (3 issues in the period)	17,063	-	17,063
TCT MAGAZINE WEBSITE (Monthly Users with 64,259 average Pageviews)	33,404	-	33,404
TCT MAGAZINE SOCIAL MEDIA			
a. Twitter followers			
1. www.twitter.com/thetctmagazine	*9,212	-	*9,212
2. http://twitter.com/thetctgroup	*8,444	-	*8,444
3. http://twitter.com/TCTShow	*5,799	-	*5,799
b. Facebook likes			
	*1,392	-	*1,392
c. LinkedIn group members			
	*3,507	-	*3,507
d. YouTube views			
	*667,414	-	*667,414
e. YouTube subscribersZ			
	*1,781	-	*1,781
f. Google Plus			
	*432	-	*432

*Social Media claims are cumulative figures, not averages.

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF 26:3 (MAY) AND 4:3 (MAY) 2018

Qualification Source	Qualified Within			Qualified Circulation by Edition			Total Qualified	Percent
	1 Year	2 Years	3 Years	European	North American			
I. Direct Request:	8,736	5,333	2,866	11,911	5,024		16,935	99.3
II. Request from recipient's company:	41	17	57	97	18		115	0.7
III. Membership Benefit:	-	-	-	-	-		-	-
IV. Communication from recipient or recipient's company (other than request):	-	-	-	-	-		-	-
V. Sources other than above, including: Association rosters and directories; Business directories; Manufacturer's, distributor's and wholesaler's lists; and Other sources:	-	-	-	-	-		-	-
VI. Single Copy Sales:	-	-	-	-	-		-	-
TOTAL QUALIFIED CIRCULATION	8,777	5,350	2,923	12,008	5,042		17,050	100.0
PERCENT	51.5	31.4	17.1	70.4	29.6		100.0	

3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF 26:3 (MAY) AND 4:3 (MAY) 2018

Mailing Address	Qualified Circulation by Edition		Total Qualified	Percent
	European	North American		
Individuals by name and title and/or function	11,054	4,874	15,928	93.4
Individuals by name only	954	168	1,122	6.6
Titles or functions only	-	-	-	-
Company names only	-	-	-	-
Multi-Copy Same Addressee copies	-	-	-	-
Single Copy Sales	-	-	-	-
TOTAL QUALIFIED CIRCULATION	12,008	5,042	17,050	100.0

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
	July - December	January - June	July - December	January - June	July - December	January - June
	2015	2016	2016	2017	2017*	2018*
Total Audit Average Qualified:	9,999	9,975	11,179	14,781	15,492	17,063
Qualified Non-Paid:	9,999	9,975	11,179	14,781	15,485	17,063
Qualified Paid:	-	-	-	-	7	-
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: July 2017 - 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 26:3 (MAY) AND 4:3 (MAY) 2018*

State	Total Qualified	Percent	Qualified Circulation by Edition		State	Total Qualified	Percent	Qualified Circulation by Edition	
			European	North American				European	North American
Maine	10		-	10	Kentucky	34		-	34
New Hampshire	27		-	27	Tennessee	48		-	48
Vermont	5		-	5	Alabama	22		-	22
Massachusetts	160		-	160	Mississippi	5		-	5
Rhode Island	19		-	19	EAST SO. CENTRAL	109	0.5	-	109
Connecticut	69		-	69	Arkansas	12		-	12
NEW ENGLAND	290	1.7	-	290	Louisiana	11		-	11
New York	255		-	255	Oklahoma	21		-	21
New Jersey	127		-	127	Texas	224		-	224
Pennsylvania	170		-	170	WEST SO. CENTRAL	268	1.6	-	268
MIDDLE ATLANTIC	552	3.2	-	552	Montana	5		-	5
Ohio	227		-	227	Idaho	16		-	16
Indiana	77		-	77	Wyoming	2		-	2
Illinois	180		-	180	Colorado	89		-	89
Michigan	237		-	237	New Mexico	15		-	15
Wisconsin	92		-	92	Arizona	98		-	98
EAST NO. CENTRAL	813	4.8	-	813	Utah	59		-	59
Minnesota	136		-	136	Nevada	189		-	189
Iowa	23		-	23	MOUNTAIN	473	2.8	-	473
Missouri	45		-	45	Alaska	1		-	1
North Dakota	4		-	4	Washington	121		-	121
South Dakota	4		-	4	Oregon	66		-	66
Nebraska	13		-	13	California	1,173		-	1,173
Kansas	21		-	21	Hawaii	8		-	8
WEST NO. CENTRAL	246	1.5	-	246	PACIFIC	1,369	8.0	-	1,369
Delaware	6		-	6	UNITED STATES	4,692	27.5	-	4,692
Maryland	54		-	54	U.S. Territories	1		-	1
Washington, DC	21		-	21	Canada	262		-	262
Virginia	55		-	55	Mexico	87		-	87
West Virginia	9		-	9	Other International	12,008		12,008	-
North Carolina	88		-	88	AP0/FPO	-		-	-
South Carolina	48		-	48					
Georgia	80		-	80	TOTAL QUALIFIED CIRCULATION	17,050	100.0	12,008	5,042
Florida	211		-	211					
SOUTH ATLANTIC	572	3.4	-	572					

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF 26:3 (MAY) AND 4:3 (MAY) 2018*

Region	Total Qualified	Percent	Qualified Circulation by Edition		Region	Total Qualified	Percent	Qualified Circulation by Edition	
			European	North American				European	North American
Channel Islands	7		7	-	Cheshire	257		257	-
Cornwall	16		16	-	Isle of Man	4		4	-
Devon	91		91	-	Lancashire	393		393	-
Dorset	90		90	-	Merseyside	99		99	-
Gloucestershire	198		198	-	North West	753	4.4	753	-
Isles of Scilly	10		10	-	Cleveland	31		31	-
Somerset	283		283	-	Cumbria	36		36	-
Wiltshire	138		138	-	Durham	28		28	-
South West	833	4.9	833	-	Northumberland	16		16	-
Bedfordshire	112		112	-	Tyne & Wear	59		59	-
Berkshire	173		173	-	Northern	170	1.0	170	-
Buckinghamshire	197		197	-	London	565		565	-
East Sussex	86		86	-	Total England Circulation	7,855	46.0	7,855	-
Essex	155		155	-	Antrim	40		40	-
Hampshire	250		250	-	Armagh	4		4	-
Hertfordshire	242		242	-	County Down	21		21	-
Isle of Wight	7		7	-	County Tyrone	7		7	-
Kent	175		175	-	Fermanagh	-		-	-
Middlesex	136		136	-	Londonderry	8		8	-
Oxfordshire	226		226	-	Northern Ireland	80	0.5	80	-
Surrey	196		196	-	Clwyd	58		58	-
West Sussex	116		116	-	Dyfed	26		26	-
South East	2,071	12.1	2,071	-	Gwent	52		52	-
Cambridgeshire	237		237	-	Gwynedd	18		18	-
Norfolk	64		64	-	Mid Glamorgan	49		49	-
Suffolk	82		82	-	Powys	12		12	-
East Anglia	383	2.2	383	-	Glamorgan	51		51	-
Herefordshire & Worcestershire	194		194	-	West Glamorgan	38		38	-
Shropshire	118		118	-	Wales	304	1.8	304	-
Staffordshire	239		239	-	Borders	2		2	-
Warwickshire	187		187	-	Central	18		18	-
West Midlands	791		791	-	Dumfries & Galloway	3		3	-
Midlands	1,529	9.0	1,529	-	Fife	11		11	-
Derbyshire	240		240	-	Grampian	16		16	-
Leicestershire	297		297	-	Highlands & Islands	4		4	-
Lincolnshire	66		66	-	Lothian	36		36	-
Northamptonshire	187		187	-	Strathclyde	78		78	-
Nottinghamshire	203		203	-	Tayside	16		16	-
East Midlands	993	5.8	993	-	Scotland	184	1.1	184	-
East Yorkshire	49		49	-	Total UK Circulation	8,423	49.4	8,423	-
North Yorkshire	50		50	-	Europe	3,585		3,585	-
South Yorkshire	212		212	-	International	5,042		-	5,042
West Yorkshire	247		247	-	TOTAL QUALIFIED CIRCULATION	17,050	100.0	12,008	5,042
Yorkshire	558	3.3	558	-					

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF 26:3 (MAY) AND 4:3 (MAY) 2018*

Region/Country	Total Qualified	Percent	Qualified Circulation by Edition		Region/Country	Total Qualified	Percent	Qualified Circulation by Edition	
			European	North American				European	North American
EUROPE					Macedonia	2		2	-
Albania	3		3	-	Malta	19		19	-
Andorra	1		1	-	Netherlands	301		301	-
Austria	42		42	-	Norway	48		48	-
Belarus	5		5	-	Poland	130		130	-
Belgium	222		222	-	Portugal	97		97	-
Bosnia and Herzegovina	2		2	-	Romania	41		41	-
Bulgaria	24		24	-	Russian Federation	74		74	-
Croatia	12		12	-	Serbia	21		21	-
Cyprus	1		1	-	Slovakia	12		12	-
Czech Republic	57		57	-	Slovenia	32		32	-
Denmark	86		86	-	Spain	291		291	-
Estonia	7		7	-	Sweden	107		107	-
Finland	74		74	-	Switzerland	88		88	-
France	442		442	-	Turkey	158		158	-
Germany	436		436	-	Ukraine	36		36	-
Georgia	1		1	-	United Kingdom	8,423		8,423	-
Greece	61		61	-	Subtotal	12,008	70.4	12,008	-
Hungary	42		42	-	NORTH AMERICA				
Iceland	6		6	-	Canada	262		-	262
Ireland	265		265	-	Mexico	88		-	88
Italy	305		305	-	United States	4,692		-	4,692
Latvia	7		7	-	Subtotal	5,042	29.6	-	5,042
Liechtenstein	5		5	-	TOTAL QUALIFIED CIRCULATION	17,050	100.0	12,008	5,042
Lithuania	9		9	-					
Luxembourg	13		13	-					

*See Additional Data

WEBSITE CHANNEL

WWW.TCTMAGAZINE.COM

2018	Pageviews	Sessions	Users	Average Session Duration
January	69,632	46,638	35,034	1:10
February	58,941	40,027	30,491	1:06
March	67,524	45,993	34,901	1:08
April	70,591	48,202	36,851	1:05
May	62,662	43,257	32,872	1:06
June	56,202	39,460	30,275	1:01
AVERAGE:	64,259	43,930	33,404	1:06

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.

SOCIAL MEDIA CHANNEL

TCT Magazine Social Media

2018	Twitter followers http://www.twitter.com/thetctmagazine	Twitter followers http://twitter.com/thetctgroup	Twitter followers http://twitter.com/TCTShow	Facebook likes http://www.facebook.com/thetctmagazine/	LinkedIn group members http://linkedin.com/groups/48133/profile	YouTube views http://www.youtube.com/Views	YouTube subscribers http://youtube.com/users/tctmagazine	Google Plus HTTPS://PLUS.GOOGLE.COM/+PRSNLZME
Beginning Balance:	8,771	-	-	1,314	3,454	610,222	1,639	434
January	8,835	-	-	1,329	3,452	622,724	1,662	438
February	8,892	8,338	5,661	1,344	3,474	632,160	1,701	440
March	8,984	8,376	5,695	1,362	3,479	642,738	1,732	441
April	9,099	8,437	5,744	1,374	3,495	651,953	1,745	436
May	9,166	8,438	5,777	1,386	3,503	660,247	1,762	432
June	9,212	8,444	5,799	1,392	3,507	667,414	1,781	432

ADDITIONAL DATA

CHANGE IN FREQUENCY:

Effective with the January 2018 issue, TCT North America changed its frequency from 4 to 6 issues per year.

AVERAGE NON-QUALIFIED CIRCULATION:

Allocated for Trade Shows and Conventions:
TCT North America

Issue	Copies	Date	Show	Location
4:1 (January)	2,500	April 8, 2018	AMUG	St. Louis, USA
4:2 (March)	2,500	April 20, 2018	Rapid + TCT	Dallas, USA

GEOGRAPHIC DISTRIBUTION:

Geographic data for Website and Social Media 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.

Jane Palfi, Audience Development Manager

Jenifer Beresford, Audit Consultant

(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	July 16, 2018
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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.bpaww.com for the latest audit reports, membership information and publishing and advertising industry news.

FIELD SERVED

TCT MAGAZINE European and North American editions serve companies in the following fields: Automotive, Marine and Rail, Aerospace, Computer/IT/Telecommunications, Consumer Products, Military and Defence, Education, Electronics, Industrial Products, Jewellery, Art and High Value Creative Goods, Medical, Dental and Pharmaceutical, Packaging, Software Manufacturer, Machinery and Equipment Manufacturer or Distributor, Materials Manufacturer, Compounder or Distributor, Contract Manufacturing, Architecture & Planning, Law and Intellectual Property, Banking, Finance, Consultancy and Business Services and Other businesses allied to the field as reported in Paragraph 3a herein.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients are involved in 3D Printing, Additive Manufacturing, CAD/CAM/CAE Operations, Corporate Management, Manufacturing, Marketing, Product Design & Development, Product Management, Sales and Business Development, Project Management, Purchasing, Research & Development, Tooling, Quality/Industry Assurance, Engineering and Other functions in the above fields.

AVERAGE NON-QUALIFIED CIRCULATION

Non-Qualified Not Included Elsewhere	Copies
Other Paid Circulation	-
Advertiser and Agency	2,220
*Allocated for Trade Shows and Conventions	1,667
All Other	353
TOTAL	4,240

*See Additional Data

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

Qualified Circulation	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual	17,063	100.0	17,063	100.0	-	-
Sponsored Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
Multi-Copy Same Addressee	-	-	-	-	-	-
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	17,063	100.0	17,063	100.0	-	-

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2018 Issue	Total Qualified	Qualified Circulation by Edition	
		European Edition	North American Edition
26:1 (January) 4:1 (January)	17,040	12,000	5,040
26:2 (March) and 4:2 (March)	17,100	12,050	5,050
26:3 (May) and 4:3 (May)	17,050	12,008	5,042

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF 26:3 (MAY) AND 4:3 (MAY) 2018

This issue is 0.1% or 20 copies below the average of the other 2 issues reported in Paragraph 2.

Business & Industry	Total Qualified	Percent of Total	Qualified Circulation by Edition		Product Management, Sales and Business Development															
			European	North American	3D Printing	Additive Manufacturing	CAD/CAM/CAE Operations	Corporate Management	Manufacturing	Marketing	Product Design & Development	Project Management	Purchasing	Research & Development	Tooling	Quality/Industry Assurance	Engineering	Other		
Industrial Products	985	5.8	826	159	85	68	34	80	101	47	263	50	32	9	104	12	9	65	26	
Automotive, Marine and Rail	1,235	7.2	983	252	108	81	80	72	137	24	255	47	38	36	120	21	22	131	63	
Consumer Products	2,081	12.2	934	1,147	154	40	34	497	80	59	512	124	47	88	103	12	12	100	219	
Medical, Dental and Pharmaceutical	1,220	7.2	849	371	99	47	41	165	86	21	241	63	38	35	174	9	24	98	79	
Education	1,128	6.6	892	236	139	91	52	48	29	6	118	13	19	11	233	2	1	72	294	
Aerospace	969	5.7	660	309	69	153	38	52	94	29	138	44	26	11	128	12	20	118	37	
Electronics	517	3.0	341	176	36	13	8	56	40	14	128	39	14	11	70	10	3	56	19	
Packaging	209	1.2	191	18	10	2	1	22	25	12	64	10	12	8	19	3	1	10	10	
Computer/IT/Telecommunications	561	3.3	324	237	77	6	17	134	7	21	55	40	19	6	37	-	3	54	85	
Contract Manufacturing	478	2.8	356	122	52	48	26	63	90	22	44	40	21	13	20	9	2	20	8	
Military & Defence	254	1.5	189	65	7	22	20	9	24	3	59	4	10	5	45	3	6	31	6	
Jewellery, Art and High Value Creative Goods	302	1.8	269	33	67	5	30	12	46	4	74	5	9	7	15	-	4	5	19	
Machinery and Equipment Manufacturer or Distributor	1,366	8.0	1,076	290	144	157	36	171	84	109	191	180	27	22	90	8	9	92	46	
Software Manufacturer	310	1.8	196	114	16	15	13	61	8	37	27	62	5	1	25	2	4	15	19	
Materials Manufacturer, Compounder or Distributor	651	9.7	533	118	62	45	6	70	69	59	64	97	18	6	101	12	10	15	17	
Architecture & Planning, Law and Intellectual Property, Banking, Finance, Consultancy and Business Services	951	5.6	566	385	48	33	28	169	12	38	86	56	14	7	53	4	3	89	311	
Other	3,833	16.6	2,823	1,010	259	179	68	441	134	176	337	201	100	39	356	13	22	211	1,297	
TOTAL QUALIFIED CIRCULATION	17,050	100.0	12,008	5,042	1,432	1,005	532	2,122	1,066	681	2,656	1,075	449	315	1,693	132	155	1,182	2,555	
PERCENT	100.0		70.4	29.6	8.4	5.9	3.1	12.4	6.3	4.0	15.6	6.3	2.6	1.8	9.9	0.8	0.9	6.9	15.0	