

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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CUTTING TOOL ENGINEERING is a B2B brand intended for individuals with broad-based interests in metal working industries. The brand content and editorial scope of the publication includes news and industry comment, in-depth technical articles, industry round-up and special features. The content of every issue is also available to subscribers globally via the online digital version.

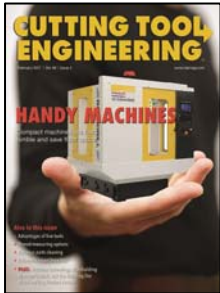
FIELD SERVED
CUTTING TOOL ENGINEERING serves manufacturing plants in the metal working industries within the following North American Industrial Classification System: 331, 332, 333, 334, 335, 336, 337 and 339. Also served are other manufacturing and non-manufacturing businesses as reported in Paragraph 3a herein.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients are their Corporate Managers, Engineering Managers, Engineering Department Personnel, Production Managers, Production Department Personnel, Design/R&D Personnel, Purchasing Personnel, Quality Assurance/Control Personnel and Other Titles.

CHANNELS

CUTTING TOOL ENGINEERING MAGAZINE



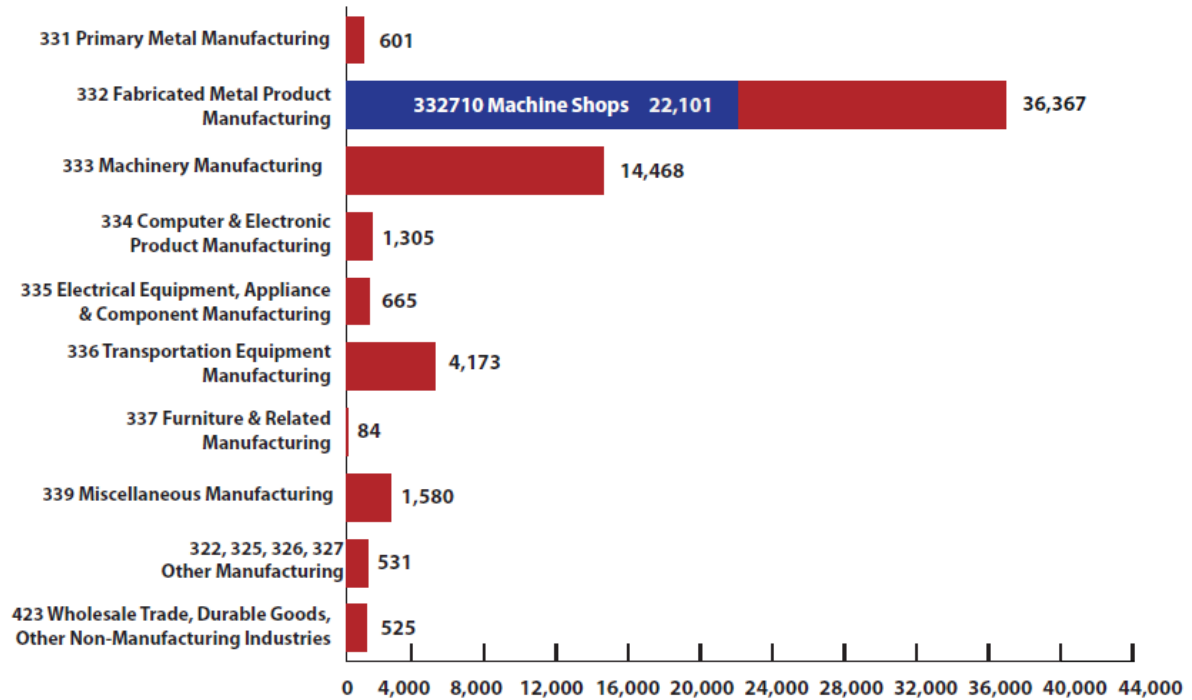
6 Issues in the period
62,330 average circulation

EXECUTIVE SUMMARY

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

	Non-Paid	Paid	Average
CUTTING TOOL ENGINEERING MAGAZINE (6 issues in the period)	62,325	5	62,330
a. Print	60,856	5	60,861
b. Digital	1,469	-	1,469
1. Requested	1,469	-	1,469
2. Non-Requested	-	-	-

Circulation broken down by NAICS codes



CLASSIFICATION BY TITLE	Print	Digital	TOTAL QUALIFIED	PERCENT
Corporate Manager (Owner, Chairman, President, VP, GM or other Corporate Manager)	38,706	757	39,463	65.4
Engineering Manager (Supervise Engineering Personnel)	3,684	120	3,804	6.3
Engineering Department Personnel (Non-Supervisory Position)	4,328	77	4,405	7.3
Production Manager (Supervise Production Personnel)	6,185	117	6,302	10.5
Production Department Personnel (Non-Supervisory Position)	2,672	49	2,721	4.5
Design, R&D Personnel	1,049	47	1,096	1.8
Purchasing Personnel	986	24	1,010	1.7
Quality Assurance, Control Personnel	801	14	815	1.4
Other Titled & Non-Titled Personnel	667	16	683	1.1
TOTAL QUALIFIED CIRCULATION	59,078	1,221	60,299	100.0

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF DECEMBER 2016

QUALIFICATION SOURCE	Qualified Within			Print	Digital	Total Qualified	Percent
	1 Year	2 Years	3 Years				
I. Direct Request:	52,468	7,831	-	59,078	1,221	60,299	100.0
II. Request from recipient's company:	-	-	-	-	-	-	-
III. Membership Benefit:	-	-	-	-	-	-	-
IV. Communication from recipient or recipient's company (other than request):	-	-	-	-	-	-	-
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	52,468	7,831	-	59,078	1,221	60,299	100.0
PERCENT	87.0	13.0	-	98.0	2.0	100.0	

3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF DECEMBER 2016

MAILING ADDRESS	Print	Digital	Total Qualified	Percent
Individuals by name and title and/or function	59,016	1,176	60,192	99.8
Individuals by name only	62	45	107	0.2
Titles or functions only	-	-	-	-
Company names only	-	-	-	-
Multi-Copy Same Addressee copies	-	-	-	-
Single Copy Sales	-	-	-	-
TOTAL QUALIFIED CIRCULATION	59,078	1,221	60,299	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
	January – June 2014	July – December 2014	January – June 2015	July – December 2015	January – June 2016*	July – December 2016*
Total Audit Average Qualified:	58,579	61,674	60,326	60,994	60,105	62,330
Qualified Non-Paid:	58,574	61,668	60,321	60,990	60,100	62,325
Print:	50,737	56,133	57,797	59,114	58,401	60,856
Digital:	7,837	5,535	2,524	1,876	1,699	1,469
Qualified Paid:	5	6	5	4	5	5
Print:	5	6	5	4	5	5
Digital:	-	-	-	-	-	-
Post Expire Copies included in Total Qualified Circulation:	**NC	**NC	**NC	**NC	**NC	**NC
Average Annual Order Price:	\$100.38	\$93.89	\$102.50	\$98.12	\$98.46	\$102.95

*NOTE: January – December 2016 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 DECEMBER 2016

State	Print	Digital	Total Qualified	Percent	State	Print	Digital	Total Qualified	Percent
Maine	267	-	267		Kentucky	764	-	764	
New Hampshire	435	-	435		Tennessee	1,108	-	1,108	
Vermont	139	-	139		Alabama	800	-	800	
Massachusetts	1,335	-	1,335		Mississippi	295	-	295	
Rhode Island	218	-	218		EAST SO. CENTRAL	2,967	-	2,967	4.9
Connecticut	1,007	1	1,008		Arkansas	412	-	412	
NEW ENGLAND	3,401	1	3,402	5.7	Louisiana	649	-	649	
New York	2,140	1	2,141		Oklahoma	822	-	822	
New Jersey	1,090	-	1,090		Texas	3,808	1	3,809	
Pennsylvania	3,051	3	3,054		WEST SO. CENTRAL	5,691	1	5,692	9.5
MIDDLE ATLANTIC	6,281	4	6,285	10.4	Montana	177	-	177	
Ohio	4,371	1	4,372		Idaho	264	-	264	
Indiana	2,476	1	2,477		Wyoming	89	-	89	
Illinois	4,407	8	4,415		Colorado	743	1	744	
Michigan	4,479	4	4,483		New Mexico	185	-	185	
Wisconsin	2,765	-	2,765		Arizona	751	-	751	
EAST NO. CENTRAL	18,498	14	18,512	30.7	Utah	470	1	471	
Minnesota	1,777	-	1,777		Nevada	236	-	236	
Iowa	881	1	882		MOUNTAIN	2,915	2	2,917	4.8
Missouri	1,224	-	1,224		Alaska	26	-	26	
North Dakota	113	-	113		Washington	996	-	996	
South Dakota	190	-	190		Oregon	729	-	729	
Nebraska	335	-	335		California	5,706	1	5,707	
Kansas	609	-	609		Hawaii	24	-	24	
WEST NO. CENTRAL	5,129	1	5,130	8.5	PACIFIC	7,481	1	7,482	12.4
Delaware	81	1	82		UNITED STATES	58,983	26	59,009	97.9
Maryland	434	-	434		U.S. Territories	27	1	28	
Washington, DC	7	-	7		Canada	67	967	1,034	
Virginia	689	-	689		Mexico	-	35	35	
West Virginia	223	-	223		Other International	1	192	193	
North Carolina	1,468	-	1,468		APO/FPO	-	-	-	
South Carolina	757	1	758						
Georgia	1,094	-	1,094						
Florida	1,867	-	1,867						
SOUTH ATLANTIC	6,620	2	6,622	11.0					
					TOTAL QUALIFIED CIRCULATION	59,078	1,221	60,299	100.0

ADDITIONAL DATA

METHOD OF DISTRIBUTION:

All qualified circulation conforms to the field served and definition of recipient's 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.

PUBLISHER'S AFFIDAVIT

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

Don Nelson, Publisher

Andrea Karges, Circulation Director

(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 February 1, 2017

State Illinois

County Cook

Received by BPA Worldwide February 1, 2017

Type BD

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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.

AVERAGE NON-QUALIFIED CIRCULATION

NON-QUALIFIED Not Included Elsewhere	Copies
Other Paid Circulation	86
Advertiser and Agency	1,588
Allocated for Trade Shows and Conventions	-
All Other	13,536
TOTAL	15,210

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

QUALIFIED CIRCULATION	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual	62,330	100.0	62,325	100.0	5	-
Sponsored Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
Multi-Copy Same Addressee	-	-	-	-	-	-
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	62,330	100.0	62,325	100.0	5	-

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2016 Issue	Number Removed	Number Added	Print	Digital	Total Qualified
July	2,235	2,176	58,565	1,522	60,087
August	2,367	2,423	58,600	1,543	60,143
September	2,885	2,826	58,562	1,522	60,084
October	1,162	5,394	62,818	1,498	64,316
Buyers Guide	73	4,809	67,546	1,506	69,052
December	13,493	4,740	59,078	1,221	60,299
TOTAL	22,215	22,368			

3a. BUSINESS/OCCUPATIONAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF DECEMBER 2016

This issue is 3.9% or 2,437 copies below the average of the other 5 issues reported in Paragraph 2.

North American Industrial Classification System (NAICS) is a numerical coding system developed jointly by the Economic Classification Policy Committee of the Office of Management and Budget as well as Statistics Canada and Mexico. Copies of the NAICS Manual can be purchased from the Superintendent of Documents of the U.S. Government Printing Office, Washington, D.C. 20402 (Classification based on 2012 NAICS Manual).

NAICS CODE	DESCRIPTION	TOTAL QUALIFIED	PERCENT OF TOTAL	CLASSIFICATION BY TITLE											CLASSIFICATION BY EMPLOYEE SIZE						Undefined				
				Print	Digital	Corporate Manager (Owner, Chairman, President, VP, GM or other Corporate Manager)	Engineering Manager (Supervise Engineering Personnel)	Engineering Department Personnel (Non-Supervisory Position)	Production Manager (Supervise Production Personnel)	Production Department Personnel (Non-Supervisory Position)	Design, R&D Personnel	Purchasing Personnel	Quality Assurance, Control Personnel	Other Titles & Non-Titled Personnel	1 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 and over					
331	Primary Metal Manufacturing																								
331110	Iron and Steel Mills and Ferroalloy Manufacturing	59		57	2	24	3	6	10	9	2	1	2	2	2	17	8	3	7	4	20				
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	27		26	1	16	2	2	3	-	1	1	2	-	6	5	7	8	-	1					
331221	Rolled Steel Shape Manufacturing	73		68	5	28	12	13	8	7	3	1	1	-	9	14	10	23	12	5					
331222	Steel Wire Drawing	18		18	-	8	1	4	1	1	2	1	-	-	3	2	5	1	1	6					
331313	Alumina Refining and Primary Aluminum Production	4		3	1	1	1	2	-	-	-	-	-	-	2	1	-	-	1	-	-				
331314	Secondary Smelting and Alloying of Aluminum	1		1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-				
331315	Aluminum Sheet, Plate, and Foil Manufacturing	10		10	-	1	1	2	2	2	2	-	-	-	1	3	-	-	3	2	1				
331318	Other Aluminum Rolling, Drawing, and Extruding	52		52	-	15	11	14	7	3	-	-	2	-	7	8	4	15	14	4					
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	9		9	-	3	1	3	-	1	-	-	-	-	2	2	-	3	1	1					
331420	Copper Rolling, Drawing, Extruding, and Alloying	11		10	1	4	-	4	2	-	-	-	1	-	3	1	4	-	2	2	1				
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	15		15	-	5	15	5	5	-	1	3	-	-	6	1	5	2	-	-	1				
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	14		14	-	8	1	2	2	-	-	-	-	-	6	1	3	1	-	3					
331511	Iron Foundries	65		64	1	14	8	12	13	10	5	2	-	1	7	17	6	13	3	17	2				
331512	Steel Investment Foundries	24		24	-	1	4	10	4	4	-	1	-	-	1	2	1	3	7	10					
331513	Steel Foundries (except Investment)	28		27	1	13	1	3	3	7	-	1	-	-	10	3	4	5	-	3	3				
331523	Nonferrous Metal Die-Casting Foundries	87		83	4	26	8	32	10	4	4	-	3	-	16	10	7	21	17	15	1				
331524	Aluminum Foundries (except Die-Casting)	53		51	2	23	5	7	10	2	2	2	1	1	13	15	8	14	2	1					
331529	Other Nonferrous Metal Foundries (except Die-Casting)	51		47	4	25	3	7	11	1	3	-	1	-	16	9	15	8	2	1					
	Sub-Total NAICS 331	601	1.0	579	22	215	62	124	92	51	26	13	13	5	123	104	79	131	66	90	8				
332	Fabricated Metal Product Manufacturing																								
332111	Iron and Steel Forging	163		159	4	83	22	16	22	6	8	1	2	3	51	24	20	34	22	8	4				
332112	Nonferrous Forging	18		17	1	12	2	2	2	-	-	-	-	-	7	2	-	4	1	4					
332114	Custom Roll Forming	7		7	-	4	-	-	2	-	1	-	-	-	5	-	1	-	-	-					
332117	Powder Metallurgy Part Manufacturing	4		4	-	-	1	-	3	-	-	-	-	-	-	1	-	1	-	-					
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	939		934	5	615	72	59	112	29	10	13	17	12	449	210	140	75	23	6	36				
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	54		53	1	38	6	3	4	-	2	-	1	-	33	3	4	7	4	3					
332216	Saw Blade and Handtool Manufacturing	312		292	20	191	15	32	32	8	19	9	4	2	150	49	38	30	13	25	7				
332311	Prefabricated Metal Building and Component Manufacturing	117		110	7	91	5	4	10	2	3	-	2	-	69	18	11	6	8	1	4				
332312	Fabricated Structural Metal Manufacturing	2,817		2,785	32	2,292	97	57	225	54	15	41	19	17	1,666	640	263	127	30	27	64				
332313	Plate Work Manufacturing	318		312	6	225	17	21	34	6	5	5	4	1	135	80	44	28	20	8	3				
332321	Metal Window and Door Manufacturing	246		240	6	207	7	7	10	10	3	1	1	-	141	51	19	16	8	10	1				
332322	Sheet Metal Work Manufacturing	1,943		1,926	17	1,577	60	52	152	43	8	28	12	11	1,193	408	185	80	13	9	55				
332323	Ornamental and Architectural Metal Work Manufacturing	685		676	9	616	11	7	34	5	4	3	3	2	549	84	17	17	6	7	5				
332410	Power Boiler and Heat Exchanger Manufacturing	95		91	4	57	8	9	14	2	3	-	2	-	35	29	12	8	5	6					
332420	Metal Tank (Heavy Gauge) Manufacturing	133		129	4	97	8	7	10	4	1	5	1	-	55	37	18	14	3	6					
332431	Metal Can Manufacturing	32		31	1	17	2	2	8	1	1	-	1	-	7	8	5	1	2	4					
332439	Other Metal Container Manufacturing	55		54	1	41	3	-	6	3	1	1	-	-	28	12	7	3	2	3					
332510	Hardware Manufacturing	277		277	-	193	16	23	24	12	3	1	3	2	138	58	37	15	20	8	1				
332613	Spring Manufacturing	117		115	2	78	7	6	10	4	3	2	3	4	49	24	17	15	5	4	3				
332618	Other Fabricated Wire Product Manufacturing	269		264	5	214	7	8	20	10	2	5	1	2	137	62	41	18	5	4	2				
332710	Machine Shops	22,170		21,770	331	15,889	1,045	841	2,254	1,076	184	374	331	107	15,640	3,554	1,506	810	143	87	361				
332721	Precision Turned Product Manufacturing	1,186		1,176	10	721	93	101	163	50	11	18	25	4	577	304	137	124	17	3	24				
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	326		318	8	201	19	26	43	7	4	7	4	-	132	70	41	46	15	6					
332811	Metal Heat Treating	183		180	3	131	11	23	6	6	-	1	-	-	88	57	15	14	4	2	3				
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	911		911	6	777	15	18	65	13	1	8	8	12	642	156	72	27	4	9	7				
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	867		861	6	753	16	2	59	13	2	10	9	3	584	178	59	32	3	2	9				
332911	Industrial Valve Manufacturing	217		212	5	113	19	36	31	10	-	5	2	1	67	47	19	40	22	20	2				
332912	Fluid Power Valve and Hose Fitting Manufacturing	137		134	3	58	11	19	26	9	5	2	7	-	43	18	25	28	7	14	2				
332913	Plumbing Fixture Fitting and Trim Manufacturing	89		87	2	56	10	13	4	2	-	-	2	-	37	8	5	14	12	11	2				
332919	Other Metal Valve and Pipe Fitting Manufacturing	270		268	2	123	24	44	40	19	5	3	7	5	98	41	26	50	22	27	6				
332991	Ball and Roller Bearing Manufacturing	157		155	2	38	25	43	28	8	9	3	1	2	27	21	28	29	23	28	1				
332992	Small Arms Ammunition Manufacturing	39		39	-	31	2	1																	

