

# **BRAND REPORT**



### FOR THE 6 MONTH PERIOD ENDED DECEMBER 2016

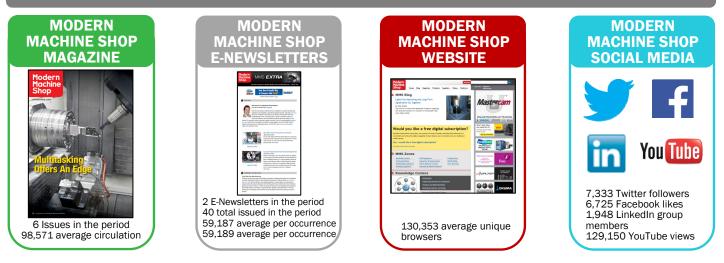
No attempt has been made to rank the information contained in this report in order of importance, since BPA Worldwide believes this is a judgment which must be made by the user of the report.

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MODERN MACHINE SHOP is a business-to-business media brand that produces a monthly print magazine, digital media, research and live events for the machining and metalworking market. With an emphasis on applications stories and case histories, Modern Machine Shop provides insight into real world applications of metalworking 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. The parent company Gardner Business Media was established with the launch of Modern Machine Shop magazine in June of 1928. To this day, the Modern Machine Shop brand is recognized around the world as a resource for metalworking product and process technology. **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**



## EXECUTIVE SUMMARY

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

|   | Non-Paid | Paid | Average  |
|---|----------|------|----------|
| MODERN MACHINE SHOP MAGAZINE (6 issues in the period)                                       | 98,571   | -    | 98,571   |
| MODERN MACHINE SHOP E-NEWSLETTERS   |          |      |          |
| a. MMS Extra (12 issued in the period)  | 59,187   | -    | 59,187   |
| b. The Shop - Blog (28 issued in the period)  | 59,189   | -    | 59,189   |
| MODERN MACHINE SHOP WEBSITE (Monthly Unique Browsers with 247,630 average Page Impressions) | 130,353  | -    | 130,353  |
| MODERN MACHINE SHOP SOCIAL MEDIA  |          |      |          |
| a. Twitter followers  | *7,333   | -    | *7,333   |
| b. Facebook likes   | *6,725   | -    | *6,725   |
| c. Linkedin group members   | *1,948   | -    | *1,948   |
| d. YouTube views  | *129,150 | -    | *129,150 |

Social Media claims are cumulative figures, not averages.

## **MAGAZINE CHANNEL**

(Including Supplementary Data)

## Official Publication of: None/Established: 1928/Issues Per Year: 12

#### DEFINITION OF RECIPIENT QUALIFICATION

FIELD SERVED MODERN MACHINE SHOP serves the metalworking industry. Included are plants performing metalworking operations and whose products fall in manufacturing industries. Also served are other manufacturing, wholesale trade, and professional, scientific, technical, and educational services.

# 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.

#### PURPOSE

Included herein is a supplementary analysis of recipients who responded to the question "Which of the following markets do you manufacture for?

| AVERAGE NON-QUALIFIED CI<br>NON-QUALIFIED    |        | 1. AVERAGE QUALI                                    | Тс               | CULATION<br>otal<br>lified | Qua              | UT FOR P<br>lified<br>-Paid | Qua         | lified       | 2. QUALIFIED CIRCUL | LATION BY ISSUES FOR PERIOD<br>Total |
|--|--------|---|------------------|----------------------------|------------------|-----------------------------|-------------|--------------|---------------------|--------------------------------------|
| Not Included Elsewhere                       | Copies | QUALIFIED   | <b>Q</b>         |                            |                  |                             |             |              | 2016 Issue          | Qualified                            |
| Other Paid Circulation                       | 79     | CIRCULATION   | Copies<br>98,571 | Percent<br>100.0           | Copies<br>98,571 | Percent<br>100.0            | Copies<br>- | Percent<br>- | July                | 97,820                               |
| Advertiser and Agency                        | 5,347  | Sponsored<br>Individually                           |                  |                            |                  |                             |             |              | August              | 97,807                               |
| Allocated for Trade Shows<br>and Conventions | 583    | Addressed   | -                | -                          | -                | -                           | -           | -            | September           | 98,727                               |
| and conventions                              | 565    | Membership Benefit                                  | -                | -                          | -                | -                           | -           | -            | October             | 99,455                               |
| All Other                                    | 1,152  | Multi-Copy Same<br>Addressee                        | -                |                            |                  | -                           | -           | -            | November            | 98,450                               |
| TOTAL  | 7,161  | Single Copy Sales<br>TOTAL QUALIFIED<br>CIRCULATION | 98,571           | 100.0                      | 98,571           | 100.0                       | -           | -            | December            | 99,168                               |

## 3a. BUSINESS/OCCUPATIONAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2016 This issue is 0.1% or 145 copies below the average of the other 5 issues reported in Paragraph 2.

|                  | is 0.1% of 140 copies below the average of the t  |                    |                     |  |            | MANUFA       | CTURING             |            |  |   |  |
|------------------|---|--------------------|---------------------|--|------------|--------------|---------------------|------------|--|---|--|
|                  |   |                    |                     |  | Prod       | uction       | Engine              | ering      | -  |   |  |
| NAICS            | BUSINESS AND INDUSTRY   | TOTAL<br>QUALIFIED | PERCENT<br>OF TOTAL | Company<br>Management<br>Corporate<br>Executives<br>and<br>Purchasing<br>(B,L) | ,          |              | Management<br>(E,V) |            | Quality<br>Assurance<br>Control<br>(P,Q) | Product<br>Design<br>Research and<br>Development<br>(H,I,J) | Other<br>Qualified<br>Personnel<br>(A,N,U,X,Z) |
| 325              | CHEMICAL MANUFACTURING  | 559                | 0.6                 | 158  | 42         | 64           | 61                  | 102        | 16                                       | 71  | 45   |
| 326              | PLASTICS AND RUBBER PRODUCTS<br>MANUFACTURING   |                    |                     |  |            |              |                     |            |  |   |  |
| 326 (Excl.       |   |                    |                     |  |            |              |                     |            |  |   |  |
| 326199)          | Plastics and Rubber Products Manufacturing  | 583                | 0.6                 | 140  | 66         | 88           | 88                  | 110        | 14                                       | 64  | 13   |
| 326199           | All Other Plastics Product Manufacturing<br>Subtotal NAICS 326                                      | 1,654<br>2.237     | 1.7<br>2.3          | 534<br>674   | 205<br>271 | 222<br>310   | 225<br>313          | 299<br>409 | 36<br>50                                 | 97<br>161   | 36<br>49                                       |
| 327              | NONMETALLIC MINERAL PRODUCT   | 2,231              | 2.5                 | 074  | 271        | 310          | 313                 | 409        | 50                                       | 101   | 49   |
|                  | MANUFACTURING   | 263                | 0.3                 | 73   | 27         | 25           | 26                  | 64         | 3  | 26  | 19   |
| 331              | PRIMARY METAL MANUFACTURING   |                    |                     |  |            |              |                     |            |  |   |  |
| 3311             | Iron and Steel Mills and Ferroallov Manufacturing   | 346                | 0.4                 | 141  | 56         | 49           | 29                  | 40         | 5  | 7   | 19   |
| 3312             | Steel Product Manufacturing from Purchased Steel<br>Alumina and Aluminum Production and Processing  | 241                | 0.2                 | 61   | 42         | 33           | 24                  | 42         | 13                                       | 10  | 16   |
| 3313<br>3314     | Alumina and Aluminum Production and Processing<br>Nonferrous Metal (except Aluminum) Production and | 166                | 0.2                 | 45   | 29         | 22           | 18                  | 27         | 6  | 9   | 10   |
|                  | Processing  | 181                | 0.2                 | 47   | 25         | 22<br>140    | 21                  | 29         | 7  | 20  | 10   |
| 3315             | Foundries   | 813                | 0.8                 | 172  | 25<br>139  |              | 91                  | 29<br>177  | 23<br>54                                 | 49  | 22<br>77                                       |
| 332              | Sub-Total NAICS 331<br>FABRICATED METAL PRODUCT MANUFACTURING                                       | 1,747              | 1.8                 | 466  | 291        | 266          | 183                 | 315        | 54                                       | 95  | 77   |
| 33211            | Forging and Stamping  | 1,318              | 1.3                 | 531  | 171        | 179          | 106                 | 197        | 42                                       | 53  | 39   |
| 33221            | Forging and Stamping<br>Cutlery and Handtool Manufacturing  | 459                | 0.5                 | 197  | 43         | 84           | 31                  | 53         | 7  | 24  | 20   |
| 33231            | Plate Work and Fabricated Structural Product  | 004                | 0.0                 | 400  | 400        | 400          | 50                  | 400        | 10                                       | 20  | 07   |
| 33232            | Manufacturing<br>Ornamental and Architectural Metal Products  | 904                | 0.9                 | 408  | 130        | 130          | 58                  | 102        | 13                                       | 36  | 27   |
|                  | Manufacturing   | 741                | 0.8                 | 367  | 99<br>6    | 98           | 50                  | 68         | 17                                       | 23  | 19   |
| 33241            | Power Boiler and Heat Exchanger Manufacturing (pt)<br>Metal Tank (Heavy Gauge) Manufacturing        | 50                 | 0.1                 | 13   |            | 10           | 7                   | 8          | -  | 5   | 1  |
| 33242<br>33243   | Metal Tank (Heavy Gauge) Manufacturing<br>Metal Can, Box, and Other Metal Container (Light Gauge)   | 55                 | 0.1                 | 20   | 3          | 6            | 11                  | 6          | 1  | 6   | 2  |
| 33243            | Manufacturing   | 54                 | 0.1                 | 19   | 8          | 6            | 12                  | 3          | 1  | 3   | 2  |
| 33251            | Hardware Manufacturing (pt)   | 328                | 0.3                 | 114  | 45         | 56<br>35     | 32                  | 47         | 7  | 16  | 11   |
| 33261            | Spring and Wire Product Manufacturing   | 326                | 0.3                 | 156  | 29         | 35           | 33                  | 39         | 10                                       | 21  | 3  |
| 33271<br>33272   | Machine Shops<br>Turned Product and Screw, Nut and Bolt   | 21,276             | 21.6                | 14,135   | 1,719      | 2,422        | 619                 | 1,120      | 466                                      | 296   | 499  |
|                  | Manufacturing   | 2,019              | 2.1                 | 896  | 255        | 300          | 120                 | 263        | 86                                       | 40  | 59   |
| 33281            | Coating, Engraving, Heat Treating, and Allied   | 500                |                     | 010  |            | 10           | 10                  |            | 40                                       |   |  |
| 33291            | Activities<br>Metal Valve Manufacturing   | 596<br>840         | 0.6<br>0.9          | 313<br>156   | 84<br>154  | 46<br>226    | 42<br>62            | 44<br>149  | 18<br>21                                 | 20<br>59  | 29<br>13                                       |
| 332991           | Ball and Roller Bearing Manufacturing   | 241                | 0.2                 | 38   | 26         | 41           | 33                  | 68         | 8  | 17  | 10   |
| 332992           | Small Arms Ammunition Manufacturing   | 44                 | -                   | 9  | 4          | 9            | 2                   | 15         | -  | 5   | -  |
| 332993<br>332994 | Ammunition (except Small Arms) Manufacturing<br>Small Arms Ordnance, and Ordnance Accessories       | 35                 | -                   | 6  | 2          | 9            | 6                   | 11         | -  | 1   | -  |
| 332994           | Manufacturing   | 229                | 0.2                 | 92   | 19         | 30           | 15                  | 50         | 6  | 15  | 2  |
| 332996           | Fabricated Pipe and Pipe Fitting Manufacturing  | 205                | 0.2                 | 67   | 39         | 31           | 17                  | 25         | 3  | 11  | 12   |
| 332999           | All Other Miscellaneous Fabricated Metal Product  | 1,442              | 1 5                 | 701  | 129        | 107          | 89                  | 149        | 16                                       | 42  | 39   |
|                  | Manufacturing (pt)<br>Sub-Total NAICS 332   | 31,162             | 1.5<br>31.7         | 791<br>18.328  | 2,965      | 187<br>3,905 | 1,345               | 2.417      | 16<br>722                                | 693   | 787  |
| 333              | MACHINERY MANUFACTURING   |                    | -                   | - /  |            |              |                     | ,          |  |   |  |
| 333111<br>333112 | Farm Machinery and Equipment Manufacturing (pt)<br>Lawn and Garden Tractor and Home Lawn and        | 739                | 0.8                 | 258  | 94         | 93           | 76                  | 131        | 12                                       | 66  | 9  |
| 333112           | Garden Equipment Manufacturing  | 128                | 0.1                 | 44   | 13         | 21           | 13                  | 27         | 2  | 7   | 1  |
| 33312            | Construction Machinery Manufacturing  | 612                | 0.6                 | 157  | 76         | 81           | 61                  | 27<br>151  | 17                                       | 51  | 18   |
| 333131           | Mining Machinery and Equipment Manufacturing  | 227                | 0.2                 | 74   | 35         | 38           | 19                  | 38         | 7  | 11  | 5  |
| 333132           | Oil and Gas Field Machinery and Equipment<br>Manufacturing  | 622                | 0.6                 | 211  | 121        | 103          | 37                  | 86         | 15                                       | 26  | 23   |
| 333241           | Food Product Machinery Manufacturing  | 230                | 0.2                 | 80   | 22         | 42           | 20                  | 38         | 5  | 17  | 6  |
| 333242           | Semiconductor Machinery Manufacturing   | 43                 |                     | 6  | 22<br>3    | 9            | 8                   | 13         | 1  | 2   | 1  |
| 333243           | Sawmill, Woodworking, and Paper Machinery<br>Manufacturing  | 254                | 0.3                 | 108  | 17         | 47           | 14                  | 39         | 2  | 16  | 11   |
| 333244           | Printing Machinery and Equipment Manufacturing  | 254<br>106         | 0.3                 | 33   | 17         | 30           | 14                  | 39<br>15   | 2  | 10  | 2  |
| 333249           | All Other Industrial Machinery Manufacturing  | 862                | 0.9                 | 336  | 74         | 107          | 91                  | 15<br>122  | 10                                       | 66  | 56   |
| 333314           | Optical Instrument and Lens Manufacturing   | 222                | 0.2                 | 53   | 23         | 31           | 34                  | 37         | 10                                       | 26  | 8  |
| 333316           | Photographic and Photocopying Equipment<br>Manufacturing  | 79                 | 0.1                 | 20   | 5          | 18           | 12                  | 19         | -  | 3   | 2  |
| 333318           | Other Commercial and Service Industry Machinery   |                    |                     |  |            |              |                     |            |  |   |  |
|                  | Manufacturing (pt)  | 417                | 0.4                 | 190  | 23         | 53           | 46                  | 61         | 1  | 31  | 12   |
|                  |   |                    |                     |  |            |              |                     |            |  |   |  |

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|   |  |  |   |  |  |  | ACTURING   |  | -   |   |           |
|---|--|--|---|--|--|--|--|--|---|---|-----------|
|   |  |  |   | Company  | Produ  | ction  | Engine   | ering  | -   |   |           |
|   |  | TOTAL  | PERCENT   | Management,<br>Corporate<br>Executives<br>and  |  | Department   | Management   | Department   | Quality<br>Assurance<br>( Control   | Product<br>Design<br>Research and<br>Development  |           |
| NAICS   | BUSINESS AND INDUSTRY  | QUALIFIED  | OF TOTAL  | (B,L)  | (C,R)  | (D,G,S)  | (E,V)  | (F,T)  | (P,Q)   | (H,I,J)   | (A,N,U,   |
| 333413  | Industrial and Commercial Fan and Blower and Air<br>Purification Equipment Manufacturing   | 149  | 0.2   | 47   | 25   | 19   | 16   | 24   | -   | 9   |           |
| 33414   | Heating Equipment except Warm Air Furnaces -<br>Manufacturing (pt)   | 70   | 0.4   | 40   | 7  | 4.0  | 2  | 10   | 1   | 40  |           |
| 555414  | Air-Conditioning and Warm Air Heating Equipment and  | 76   | 0.1   | 16   | 7  | 16   | 3  | 19   | 1   | 12  |           |
| 333415  | Commercial and Industrial Refrigeration Equipment<br>Manufacturing   | 268  | 0.3   | 45   | 26   | 43   | 48   | 66   | 4   | 29  |           |
| 333511  | Industrial Mold Manufacturing  | 2,763  | 2.8   | 1,367  | 290  | 43   | 179  | 208  | 32  | 137   | 11        |
| 333514  | Special Die and Tool, Die Set, Jig, and Fixture  |  |   |  |  |  |  |  |   |   |           |
| 333515  | Manufacturing<br>Cutting Tool and Machine Tool Accessory   | 2,834  | 2.9   | 1,539  | 254  | 434  | 151  | 185  | 37  | 101   | 13        |
|   | Manufacturing  | 1,868  | 1.9   | 735  | 175  | 191  | 107  | 229  | 26  | 96  | 30        |
| 333517  | Machine Tool Manufacturing   | 2,080  | 2.1   | 897  | 216  | 209  | 150  | 280  | 26  | 78  | 22        |
| 333519  | Rolling Mill and Other Metalworking Machinery<br>Manufacturing   | 378  | 0.4   | 152  | 34   | 63   | 30   | 45   | 6   | 22  | 2         |
| 333611  | Turbine and Turbine Generator Set Unit Manufacturing   | 245  | 0.2   | 38   | 19   | 37   | 38   | 85   | 8   | 15  |           |
| 333612  | Speed Changer, Industrial High-Speed Drive, and Gear<br>Manufacturing  | 057  | 0.0   | 00   | 00   | 50   | 4.0  |  | 0   | 4.4   |           |
| 333613  | Mechanical Power Transmission Equipment  | 257  | 0.3   | 88   | 23   | 50   | 16   | 55   | 9   | 11  |           |
|   | Manufacturing  | 326  | 0.3   | 84   | 46   | 64   | 32   | 61   | 12  | 21  |           |
| 333618<br>333911  | Other Engine Equipment Manufacturing (pt)<br>Pump and Pumping Equipment Manufacturing (pt)   | 438  | 0.4   | 156  | 30   | 37   | 50   | 92   | 17  | 49  |           |
| 333911  | Air and Gas Compressor Manufacturing (pt)  | 387<br>188   | 0.4<br>0.2  | 94<br>49   | 55<br>27   | 71<br>34   | 37<br>14   | 88<br>35   | 8<br>8  | 23<br>14  | :         |
| 333913  | Measuring and Dispensing Pump Manufacturing  | 20   | - 0.2   | 49   | 5  | 34   | 2  | 35<br>4  | 0<br>1  | 14  |           |
| 333921  | Elevator and Moving Stairway Manufacturing   | 32   | -   | 15   | 1  | 3  | 5  | 5  | -   | 2   |           |
| 333922  | Conveyor and Conveying Equipment Manufacturing<br>(pt)   | 270  | 0.3   | 77   | 37   | 59   | 18   | 11   | 2   | 18  | -         |
| 333923  | Overhead Traveling Crane, Hoist, and Monorail System   | 270  | 0.3   | 11   | 31   | 59   | 18   | 44   | 2   | 18  | -         |
|   | Manufacturing (pt)   | 103  | 0.1   | 24   | 15   | 8  | 19   | 26   | 1   | 9   |           |
| 333924  | Industrial Truck, Tractor, Trailer, and Stacker<br>Machinery Manufacturing   | 192  | 0.2   | 40   | 20   | 27   | 31   | 49   | 3   | 20  |           |
| 333991  | Power-Driven Handtool Manufacturing  | 140  | 0.1   | 56   | 5  | 18   | 14   | 25   | 2   | 9   |           |
| 333992  | Welding and Soldering Equipment Manufacturing  | 132  | 0.1   | 50   | 17   | 24   | 12   | 10   | 4   | 10  |           |
| 333993  | Packaging Machinery Manufacturing  | 205  | 0.2   | 41   | 37   | 53   | 20   | 26   | 3   | 16  |           |
| 333994<br>333995  | Industrial Process Furnace and Oven Manufacturing<br>Fluid Power Cylinder and Actuator Manufacturing   | 135<br>241   | 0.1<br>0.2  | 46<br>75   | 13<br>35   | 25<br>47   | 10<br>27   | 24<br>35   | 10  | 15<br>4   |           |
| 333996  | Fluid Power Pump and Motor Manufacturing   | 186  | 0.2   | 34   | 35<br>19   | 31   | 27   | 35<br>55   | 10  | 4   |           |
| 333997  | Scale and Balance (except Laboratory) Manufacturing  | 33   | -   | 7  | 2  | 4  | 4  | 7  | 1   | 6   |           |
| 333999  | All Other Miscellaneous General Purpose Machinery  | 1 500  | 4.5   | 00.4   | 110  | 450  |  | 150  | 10  |   |           |
|   | Manufacturing (pt)<br>Sub-Total NAICS 333  | 1,506<br>19,993  | 1.5<br>20.0   | 834<br>8,180   | 146<br>2,102   | 152<br>2,833   | 88<br>1,575  | 153<br>2,712   | 16<br>329   | 62<br>1,129   | 5<br>1,13 |
| 334   | COMPUTER AND ELECTRONIC PRODUCT  |  |   | -,   | _,   | _,   | _,   | _,   |   | _,+   | _,        |
| 3341  | MANUFACTURING<br>Computer and Peripheral Equipment Manufacturing   | 210  | 0.2   | 56   | 13   | 24   | 30   | 55   | 4   | 23  |           |
| 3342  | Communications Equipment Manufacturing   | 373  | 0.2   | 74   | 38   | 24<br>58   | 60   | 94   | 13  | 30  |           |
| 3343  | Audio and Video Equipment Manufacturing  | 54   | 0.1   | 12   | 7  | 7  | 6  | 14   | 1   | 6   |           |
| 3344  | Semiconductor and Other Electronic Component<br>Manufacturing  | 1,193  | 1.2   | 206  | 103  | 189  | 158  | 253  | 26  | 131   | 2         |
| 3345  | Navigational, Measuring, Electromedical, and Control   | 1,195  | 1.2   | 296  | 103  | 109  | 130  | 205  | 36  | 191   | 4         |
|   | Instruments Manufacturing  | 2,726  | 2.8   | 902  | 243  | 338  | 282  | 539  | 59  | 241   | 12        |
| 3346  | -  |  |   |  |  |  |  |  |   |   |           |
|   | Manufacturing and Reproducing Magnetic and Optical   | 31   | -   | 10   | 4  | 2  | 5  | з  | -   | 1   |           |
|   | -  | 31<br>4,587  | 4.7   | 10<br>1,350  | 4<br>408   | 2<br>618   | 5<br>541   | 3<br>958   | - 113   | 1<br>432  | 16        |
| 335   | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND   |  |   |  |  |  |  |  |   |   | 10        |
|   | Manufacturing and Reproducing Magnetic and Optical<br>Media Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING   | 4,587  |   | 1,350  | 408  | 618  | 541  | 958  | 113   | 432   | 10        |
| <b>335</b><br>33511<br>33512  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND   |  |   |  |  |  |  |  |   |   | 16        |
| 33511<br>33512<br>33521   | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing   | 4,587<br>27  | 4.7   | 1,350<br>3<br>43<br>7  | 408<br>4   | 618<br>5   | 541  | 958<br>5   | 113<br>2  | 432<br>3  | 10        |
| 33511<br>33512<br>33521<br>33522  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Major Appliance Manufacturing  | 4,587<br>27<br>139<br>40<br>76   | 4.7<br>0.1<br>0.1   | 1,350<br>3<br>43<br>7<br>9   | 408<br>4<br>22<br>5<br>12  | 618<br>5<br>18<br>7<br>9   | 541<br>4<br>15<br>7<br>6   | 958<br>5<br>25<br>6<br>27  | 113<br>2<br>2<br>2<br>1   | 432<br>3<br>11<br>6<br>11   |           |
| 33511<br>33512<br>33521<br>33522<br>33522<br>33531  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Major Appliance Manufacturing<br>Electrical Equipment Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920  | 4.7<br>0.1<br>0.1<br>0.9  | 1,350<br>3<br>43<br>7<br>9<br>194  | 408<br>4<br>22<br>5<br>12<br>96  | 618<br>5<br>18<br>7<br>9<br>125  | 541<br>4<br>15<br>7<br>6<br>148  | 958<br>5<br>25<br>6<br>27<br>229   | 113<br>2<br>2<br>2<br>1<br>19   | 432<br>3<br>11<br>6<br>11<br>78   |           |
| 33511<br>33512<br>33521<br>33522  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Major Appliance Manufacturing<br>Electrical Equipment Manufacturing<br>Battery Manufacturing   | 4,587<br>27<br>139<br>40<br>76   | 4.7<br>0.1<br>0.1   | 1,350<br>3<br>43<br>7<br>9   | 408<br>4<br>22<br>5<br>12  | 618<br>5<br>18<br>7<br>9   | 541<br>4<br>15<br>7<br>6   | 958<br>5<br>25<br>6<br>27  | 113<br>2<br>2<br>2<br>1   | 432<br>3<br>11<br>6<br>11   |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592   | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable         Manufacturing   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55  | 4.7<br>0.1<br>0.1<br>0.9<br>0.1<br>0.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10  | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14   | 113<br>2<br>2<br>2<br>1<br>19<br>1<br>1   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9  |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Major Appliance Manufacturing<br>Electrical Equipment Manufacturing<br>Battery Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Wiring Device Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67  | 4.7<br>0.1<br>0.1<br>0.9<br>0.1   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9   | 408<br>4<br>22<br>5<br>12<br>96<br>10  | 618<br>5<br>18<br>7<br>9<br>125<br>13  | 541<br>4<br>15<br>7<br>6<br>148<br>7   | 958<br>5<br>25<br>6<br>27<br>229<br>15   | 113<br>2<br>2<br>2<br>1<br>19<br>1  | 432<br>3<br>11<br>6<br>11<br>78<br>11   |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593  | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable         Manufacturing   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55  | 4.7<br>0.1<br>0.1<br>0.9<br>0.1<br>0.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10  | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14   | 113<br>2<br>2<br>2<br>1<br>19<br>1<br>1   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9  | :         |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599   | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Battery Manufacturing         Battery Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254   | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28  | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54   | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23  | :         |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599<br>336  | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033   | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>47<br>132<br>451  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238   | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317  | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449  | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196   | :         |
| 33511<br>33512<br>33521<br>33521<br>33531<br>33591<br>33592<br>33593<br>33599<br>336<br>336   | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electrical EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 3355         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224  | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>7<br>47<br>132<br>451<br>500  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>79   | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217   | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105  | :         |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599<br>336<br>336111<br>336112  | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033   | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>47<br>132<br>451  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238   | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317  | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449  | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196   | 3         |
| 33511<br>33512<br>33521<br>33521<br>33521<br>33591<br>33591<br>33593<br>33599<br>336<br>336111<br>336112<br>336120<br>336211  | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Electrical Equipment Manufacturing<br>Battery Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Wiring Device Manufacturing<br>All Other Electrical Equipment and Component<br>Manufacturing<br>Sub-Total NAICS 335<br>TRANSPORTATION EQUIPMENT MANUFACTURING<br>Automobile Manufacturing<br>Light Truck and Utility Vehicle Manufacturing<br>Heavy Duty Truck Manufacturing<br>Motor Vehicle Body Manufacturing (pt)   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70  | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>7<br>47<br>132<br>451<br>500<br>29  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>79<br>9  | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7  | 113<br>2<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>43<br>1<br>5<br>17   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8   |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33593<br>33593<br>336<br>336111<br>336112<br>336211<br>336211   | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Small Electrical Appliance Manufacturing         Battery Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing         Light Truck and Utility Vehicle Manufacturing         Heavy Duty Truck Manufacturing         Motor Vehicle Body Manufacturing (pt)         Truck Trailer Manufacturing   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562                                   | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373                                  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45                              | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26                                   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38                                       | 113<br>2<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>43<br>5<br>17<br>5   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19   |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33593<br>33599<br>336111<br>336112<br>336112<br>336211<br>336212<br>336213  | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Major Appliance Manufacturing         Electrical Appliance Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing         Light Truck and Utility Vehicle Manufacturing         Heavy Duty Truck Manufacturing         Motor Vehicle Body Manufacturing (pt)         Truck Trailer Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82                             | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41                            | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9                         | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5                              | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13                                 | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>1<br>5<br>17<br>5<br>3  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5  |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599<br><b>336</b><br>336111<br>336112<br>336112<br>336211<br>336211<br>336213<br>336214               | Manufacturing and Reproducing Magnetic and Optical Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Major Appliance Manufacturing         Electrical Equipment Manufacturing         Electrical Equipment Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing         Light Truck and Utility Vehicle Manufacturing         Heavy Duty Truck Manufacturing         Motor Vehicle Body Manufacturing (pt)         Truck Trailer Manufacturing         Motor Home Manufacturing         Motor Home Manufacturing         Motor Home Manufacturing         Motor Home Manufacturing         Truck Trailer Manufacturing   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562                                   | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373                                  | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45                              | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26                                   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38                                       | 113<br>2<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>43<br>5<br>17<br>5   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19   |           |
| 33511<br>33512<br>33521<br>33521<br>33521<br>33591<br>33592<br>33593<br>33599<br>336<br>336111<br>336112<br>336112<br>336120<br>336211<br>336212<br>336214<br>336214<br>336310  | Manufacturing and Reproducing Magnetic and Optical<br>Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Battery Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable<br>Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component<br>Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing         Light Truck and Utility Vehicle Manufacturing         Motor Vehicle Body Manufacturing (pt)         Truck Trailer Manufacturing         Motor Vehicle Gasoline Engine and Engine Parts<br>Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82                             | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1  | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41                            | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9                         | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5                              | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5  | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13                                 | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>1<br>5<br>17<br>5<br>3  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5  | :         |
| 33511<br>33512<br>33521<br>33521<br>33521<br>33591<br>33592<br>33593<br>33599<br>336<br>336111<br>336112<br>336112<br>336120<br>336211<br>336212<br>336214<br>336214<br>336310  | Manufacturing and Reproducing Magnetic and Optical<br>Media Sub-Total NAICS 334 ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Electrical Equipment Manufacturing<br>Electrical Equipment Manufacturing<br>Battery Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Wiring Device Manufacturing<br>All Other Electrical Equipment and Component<br>Manufacturing<br>Sub-Total NAICS 335<br>TRANSPORTATION EQUIPMENT MANUFACTURING<br>Automobile Manufacturing<br>Light Truck and Utility Vehicle Manufacturing<br>Motor Vehicle Body Manufacturing (pt)<br>Truck Trailer Manufacturing<br>Motor Home Manufacturing<br>Travel Trailer and Camper Manufacturing (pt)<br>Motor Vehicle Gasoline Engine and Engine Parts<br>Manufacturing<br>Motor Vehicle Electrical and Electronic Equipment   | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82<br>310<br>652               | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.7   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41<br>238<br>280              | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9<br>31<br>53                          | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5<br>7<br>48                   | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5<br>5<br>74   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13<br>13<br>13<br>116              | 113<br>2<br>2<br>1<br>19<br>1<br>1<br>6<br>9<br>43<br>49<br>1<br>5<br>17<br>5<br>3<br>4<br>25   | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5<br>8<br>44   | :         |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599<br><b>336</b><br>336111<br>336112<br>336112<br>336211<br>336211<br>336213<br>336214               | Manufacturing and Reproducing Magnetic and Optical<br>Media         Sub-Total NAICS 334         ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING         Electric Lamp Bulb and Part Manufacturing         Lighting Fixture Manufacturing         Battery Manufacturing         Battery Manufacturing         Communication and Energy Wire and Cable<br>Manufacturing         Wiring Device Manufacturing         All Other Electrical Equipment and Component<br>Manufacturing         Sub-Total NAICS 335         TRANSPORTATION EQUIPMENT MANUFACTURING         Automobile Manufacturing         Light Truck and Utility Vehicle Manufacturing         Motor Vehicle Body Manufacturing (pt)         Truck Trailer Manufacturing         Motor Vehicle Gasoline Engine and Engine Parts<br>Manufacturing  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82<br>310                      | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41<br>238                     | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9<br>31                   | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5<br>7                         | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5<br>5   | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13<br>13                           | 113<br>2<br>2<br>1<br>1<br>9<br>1<br>6<br>9<br>43<br>49<br>1<br>5<br>17<br>5<br>3<br>4  | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5<br>8   | :         |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33592<br>33593<br>33599<br>336<br>336111<br>336112<br>336121<br>336212<br>336214<br>336214<br>336214<br>336310<br>336320<br>336330 | Manufacturing and Reproducing Magnetic and Optical<br>Media Sub-Total NAICS 334 ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Major Appliance Manufacturing<br>Electrical Equipment Manufacturing<br>Electrical Equipment Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Wiring Device Manufacturing<br>All Other Electrical Equipment and Component<br>Manufacturing<br>Sub-Total NAICS 3355<br>TRANSPORTATION EQUIPMENT MANUFACTURING<br>Automobile Manufacturing<br>Light Truck and Utility Vehicle Manufacturing<br>Motor Vehicle Body Manufacturing (pt)<br>Truck Trailer and Camper Manufacturing (pt)<br>Motor Vehicle Gasoline Engine and Engine Parts<br>Manufacturing<br>Motor Vehicle Electrical and Electronic Equipment<br>Manufacturing<br>Motor Vehicle Electrical and Electronic Equipment<br>Manufacturing<br>Motor Vehicle Electrical and Electronic Equipment<br>Manufacturing<br>Motor Vehicle Electrical and Suspension Components<br>(except Spring) Manufacturing                                  | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82<br>310<br>652<br>759<br>181 | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.1<br>0.3<br>0.9<br>0.1<br>0.3<br>0.9<br>0.1<br>0.3<br>0.9<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.7<br>0.8<br>0.2 | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41<br>238<br>280<br>368<br>69 | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9<br>31<br>53<br>60<br>16 | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5<br>7<br>48<br>48<br>48<br>48 | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5<br>5<br>77<br>41<br>5<br>5<br>74<br>74<br>79<br>20 | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13<br>13<br>13<br>116<br>119<br>43 | 113<br>2<br>2<br>2<br>1<br>1<br>9<br>1<br>1<br>6<br>9<br>43<br>49<br>1<br>5<br>17<br>5<br>3<br>4<br>25<br>17<br>5<br>17               | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>40<br>50<br>19<br>5<br>8<br>10<br>5<br>8<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>44<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>8<br>40<br>50<br>19<br>5<br>8<br>44<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>44<br>10<br>5<br>8<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>40<br>50<br>10<br>5<br>8<br>10<br>5<br>8<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 |           |
| 33511<br>33512<br>33521<br>33522<br>33531<br>33591<br>33592<br>33593<br>33599<br><b>336</b><br>336111<br>336112<br>336120<br>336211<br>336212<br>336213<br>336214<br>336310     | Manufacturing and Reproducing Magnetic and Optical<br>Media<br>Sub-Total NAICS 334<br>ELECTRICAL EQUIPMENT, APPLIANCE, AND<br>COMPONENT MANUFACTURING<br>Electric Lamp Bulb and Part Manufacturing<br>Lighting Fixture Manufacturing<br>Small Electrical Appliance Manufacturing<br>Battery Manufacturing<br>Electrical Equipment Manufacturing<br>Battery Manufacturing<br>Communication and Energy Wire and Cable<br>Manufacturing<br>Wiring Device Manufacturing<br>All Other Electrical Equipment and Component<br>Manufacturing<br>Sub-Total NAICS 335<br>TRANSPORTATION EQUIPMENT MANUFACTURING<br>Automobile Manufacturing<br>Light Truck and Utility Vehicle Manufacturing<br>Motor Vehicle Body Manufacturing (pt)<br>Truck Trailer Manufacturing<br>Motor Home Manufacturing<br>Travel Trailer and Camper Manufacturing (pt)<br>Motor Vehicle Electrical and Electronic Equipment<br>Manufacturing<br>Motor Vehicle Electrical and Electronic Equipment<br>Manufacturing | 4,587<br>27<br>139<br>40<br>76<br>920<br>67<br>55<br>254<br>455<br>2,033<br>1,224<br>70<br>316<br>897<br>562<br>82<br>310<br>652<br>759        | 4.7<br>0.1<br>0.9<br>0.1<br>0.1<br>0.3<br>0.5<br>2.1<br>1.2<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.6<br>0.1<br>0.3<br>0.9<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.5<br>0.1<br>0.3<br>0.5<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.1<br>0.3<br>0.5<br>0.5<br>0.5<br>0.5<br>0.5<br>0.5<br>0.5<br>0.5   | 1,350<br>3<br>43<br>7<br>9<br>194<br>9<br>7<br>47<br>132<br>451<br>500<br>29<br>140<br>475<br>373<br>41<br>238<br>280<br>368       | 408<br>4<br>22<br>5<br>12<br>96<br>10<br>10<br>28<br>51<br>238<br>51<br>238<br>79<br>9<br>35<br>103<br>45<br>9<br>31<br>53<br>60       | 618<br>5<br>18<br>7<br>9<br>125<br>13<br>7<br>65<br>68<br>317<br>113<br>8<br>9<br>53<br>26<br>5<br>7<br>48<br>48             | 541<br>4<br>15<br>7<br>6<br>148<br>7<br>7<br>25<br>50<br>269<br>137<br>6<br>35<br>77<br>41<br>5<br>5<br>74<br>74<br>79                             | 958<br>5<br>25<br>6<br>27<br>229<br>15<br>14<br>54<br>74<br>449<br>217<br>7<br>48<br>103<br>38<br>13<br>13<br>116<br>119             | 113<br>2<br>2<br>2<br>1<br>1<br>9<br>1<br>1<br>6<br>9<br>43<br>4<br>9<br>43<br>4<br>9<br>1<br>5<br>17<br>5<br>3<br>4<br>4<br>25<br>17 | 432<br>3<br>11<br>6<br>11<br>78<br>11<br>9<br>23<br>44<br>196<br>105<br>8<br>40<br>50<br>19<br>5<br>8<br>44<br>58   |           |

|         |   |                    |                     |  |              | MANUFA                   | CTURING             |                     |  |   |  |
|---------|---|--------------------|---------------------|--|--------------|--------------------------|---------------------|---------------------|--|---|--|
|         |   |                    |                     |  | Proc         | duction                  | Engine              | ering               |  |   |  |
| NAICS   | BUSINESS AND INDUSTRY   | TOTAL<br>QUALIFIED | PERCENT<br>OF TOTAL | Company<br>Management<br>Corporate<br>Executives<br>and<br>Purchasing<br>(B,L) |              | nt Department<br>(D,G,S) | Management<br>(E,V) | Department<br>(F,T) | Quality<br>Assurance<br>Control<br>(P,Q) | Product<br>Design<br>Research and<br>Development<br>(H,I,J) | Other<br>Qualifie<br>Personn<br>(A,N,U,X |
| 336360  | Motor Vehicle Seating and Interior Trim Manufacturing                                       | 231                | 0.2                 | 95   | 22           | 16                       | 30                  | 30                  | 10                                       | 24  | 4  |
| 336370  | Motor Vehicle Metal Stamping  | 623                | 0.6                 | 250  | 84           | 50                       | 71                  | 110                 | 18                                       | 31  | 9  |
| 336390  | Other Motor Vehicle Parts Manufacturing   | 4,963              | 5.0                 | 2.004  | 472          | 388                      | 551                 | 892                 | 201                                      | 354   | 101                                      |
| 336411  | Aircraft Manufacturing  | 1,326              | 1.4                 | 369  | 94           | 130                      | 173                 | 373                 | 36                                       | 113   | 38                                       |
| 336412  | Aircraft Engine and Engine Parts Manufacturing (pt)   | 1,035              | 1.1                 | 254  | 88           | 128                      | 144                 | 303                 | 39                                       | 59  | 20                                       |
| 336413  | Other Aircraft Parts and Auxiliary Equipment<br>Manufacturing                               | 3,599              | 3.7                 | 1,169  | 409          | 481                      | 368                 | 729                 | 171                                      | 180   | 92                                       |
| 336414  | Guided Missile and Space Vehicle Manufacturing  | 202                | 0.2                 | 43   | 12           | 14                       | 30                  | 69                  | 7  | 21  | e  |
| 336415  | Guided Missile and Space Vehicle Propulsion Unit and<br>Propulsion Unit Parts Manufacturing | 158                | 0.2                 | 34   | 16           | 25                       | 27                  | 34                  | 6  | 15  | 1  |
| 336419  | Other Guided Missile and Space Vehicle Parts and<br>Auxiliary Equipment Manufacturing       | 203                | 0.2                 | 61   | 14           | 28                       | 36                  | 36                  | 3  | 16  | ç  |
| 3365    | Railroad Rolling Stock Manufacturing  | 223                | 0.2                 | 73   | 26           | 25                       | 22                  | 48                  | 7  | 17  | 5  |
| 3366    | Ship and Boat Building  | 604                | 0.6                 | 356  | 55           | 50                       | 39                  | 54                  | 8  | 32  | 10                                       |
| 3369    | Other Transportation Equipment Manufacturing  | 578                | 0.6                 | 326  | 32           | 48                       | 46                  | 79                  | 6  | 29  | 1  |
|         | Sub-Total NAICS 336   | 19,637             | 20.0                | 7,842  | 1,842        | 1,785                    | 2,130               | 3,636               | 690                                      | 1,297   | 41                                       |
| 337     | FURNITURE AND RELATED PRODUCT<br>MANUFACTURING  |                    |                     |  |              |                          |                     |                     |  |   |  |
| 3371    | Household and Institutional Furniture and Kitchen<br>Cabinet Manufacturing                  | 197                | 0.2                 | 88   | 29           | 23                       | 16                  | 19                  | 3  | 17  | 2  |
| 3372    | Office Furniture (including Fixtures) Manufacturing   | 117                | 0.1                 | 30   | 17           | 17                       | 13                  | 22                  | 2  | 15  | -  |
| 3379    | Other Furniture Related Product Manufacturing   | 13                 | -                   | 3  | -            | 3                        | 2                   | 2                   | 1  | 2   |  |
|         | Sub-Total NAICS 337   | 327                | 0.3                 | 121  | 46           | 43                       | 31                  | 43                  | 6  | 34  | :  |
| 339     | MISCELLANEOUS MANUFACTURING   |                    |                     |  |              |                          |                     |                     |  |   |  |
| 339112  | Surgical and Medical Instrument Manufacturing   | 2,395              | 2.4                 | 701  | 278          | 288                      | 277                 | 464                 | 110                                      | 227   | 50                                       |
| 339113  | Surgical Appliance and Supplies Manufacturing   | 1,479              | 1.5                 | 637  | 148          | 149                      | 125                 | 229                 | 44                                       | 119   | 28                                       |
| 339114  | Dental Equipment and Supplies Manufacturing   | 338                | 0.3                 | 171  | 23           | 41                       | 22                  | 37                  | 9  | 25  | 10                                       |
| 339115  | Ophthalmic Goods Manufacturing  | 161                | 0.2                 | 75   | 21           | 13                       | 13                  | 21                  | 2  | 11  | !  |
| 339116  | Dental Laboratories   | 77                 | 0.1                 | 71   | -            | -                        | 1                   | -                   |  | -   | !  |
| 33991   | Jewelry and Silverware Manufacturing  | 312                | 0.3                 | 245  | 14           | 19                       | 7                   | 13                  | -  | 6   | 8  |
| 33992   | Sporting and Athletic Goods Manufacturing   | 458                | 0.5                 | 300  | 37           | 34                       | 21                  | 20                  | 3  | 27  | 16                                       |
| 33993   | Doll, Toy, and Game Manufacturing   | 130                | 0.1                 | 99   | 10           | 4                        | 4                   | 3                   | -  | 3   |  |
| 33994   | Office Supplies (except Paper) Manufacturing  | 128                | 0.1                 | 86   | 15           | 7                        | 2                   | 5                   |  | 3   | 10                                       |
| 33995   | Sign Manufacturing  | 869                | 0.9                 | 792  | 43           | 8                        | 3                   | 10                  | -  | 12  | -  |
| 33999   | All Other Miscellaneous Manufacturing   | 1,418              | 1.5                 | 859  | 113          | 124                      | 85                  | 110                 | 9  | 66  | 52                                       |
|         | Sub-Total NAICS 339   | 7,765              | 7.9                 | 4,036  | 702          | 687                      | 560                 | 912                 | 177                                      | 499   | 192                                      |
| 44 004  | TOTAL METALWORKING MANUFACTURING  | 90,310             | 91.7                | 41,679   | 8,934        | 10,853                   | 7,034               | 12,017              | 2,203                                    | 4,633   | 2,95                                     |
| 311-324 | OTHER MISCELLANEOUS MANUFACTURING   | 359                | 0.4                 | 128  | 40           | 59                       | 26                  | 45                  | 1  | 30  | 30                                       |
| 10      | TOTAL MANUFACTURING   | 90,669             | 92.1                | 41,807   | 8,974        | 10,912                   | 7,060               | 12,062              | 2,204                                    | 4,663   | 2,98                                     |
| 12      | WHOLESALE TRADE   | 2,343              | 2.4                 | 1,159  | 158          | 91                       | 88                  | 199                 | 13                                       | 56  | 579                                      |
| 541     | PROFESSIONAL SERVICES   | 2,298              | 2.3                 | 1,057  | 89           | 156                      | 249                 | 346                 | 20                                       | 239   | 142                                      |
|         | OTHER QUALIFIED NAICS, N.E.C.   | 3,140              | 3.2                 | 1,399  | 177          | 329                      | 124                 | 265                 | 23                                       | 130   | 693                                      |
|         | TOTAL NON-MANUFACTURING<br>TOTAL QUALIFIED CIRCULATION                                      | 7,781<br>98.450    | 7.9<br><b>100.0</b> | 3,615<br>45,422  | 424<br>9.398 | 576<br><b>11,488</b>     | 461<br>7.521        | 810<br>12,872       | 56<br>2.260                              | 425   | 1,414<br><b>4,40</b> 3                   |

(B,L) COMPANY MANAGEMENT, CORPORATE EXECUTIVE, PURCHASING: titles include Chairman, General Manager, Owner, Partner, President, Vice President, Buyer, Purchasing Manager and Procurement Chief.

(CR) MANUFACTURING PRODUCTION MANAGEMENT, FACTORY AUTOMATION MANAGEMENT: titles include Factory Manager, Machine Shop Manager, Manufacturing Manager, Manufacturing Production Manager, Plant Manager, Production Manager, Shop Manager, Tool Room Manager, Works Manager, Factory Automation Manager, Chief Factory Automation Engineer, Manager of Systems Design and Chief Systems Engineer.

(D,G,G,S) MANUFACTURING PRODUCTION DEPARTMENT, MANUFACTURING (OTHER MANUFACTURING PERSONNEL), FACTORY AUTOMATION ENGINEERS: titles include Foreman, Department Supervisor, Manufacturing Supervisor, Master Mechanic, Plant Supervisor, Production Supervisor, Diemaker, Expediter, Leadman, Factory Automation Engineer, Automation Foreman, CNC Programmer, Systems

Designer and Systems Engineer. (E,V) MANUFACTURING ENGINEERING MANAGERS & ENGINEERING MANAGEMENT: titles include Chief Tool Engineer, Chief of Manufacturing Development, Director of Manufacturing Engineering, Chief Methods Engineer, Manager of Process Engineering, Director of Production Engineering, Manager of Tool Design and Head of Tool Engineering. (F,T) MANUFACTURING ENGINEERING (ENGINEERS): include most engineering titles where the individual does not manage the department. (P,Q) QUALITY ASSURANCE/CONTROL (MANAGEMENT & ENGINEERS): titles include Quality Assurance Manager, Quality Control Director, Chief of Quality Engineering, Quality Assurance Engineer, Quality

(H,LJ) PRODUCT DESIGN AND RESEARCH & DEVELOPMENT (MANAGEMENT, ENGINEERS & OTHER DESIGN PERSONNEL): titles include Director of Design Engineering, Chief Draftsman, Manager of Product Engineering, Director of Research, Design Project Engineer, Development Engineer, Research & Design Engineer, and Draftsman. (A,N,U,X,Z) OTHER QUALIFIED TITLES N.E.C.: titles include Consultant, Services Mgr, Training Mgr, Instructor, Sales, Marketing and other related titles.

#### SUPPLEMENTARY DATA FOR ISSUE OF NOVEMBER 2016

This is an analysis of 85,346 or 86.7% recipients who manufacture for the following industries. 59,063 are classified based on their response to the question 'Which of the following markets do you manufacture for?' and 26,283 are classified based on NAICS for their company indicating they are an OEM for the given market.

Compony

| BUSINESS AND INDUSTRY                                   | Totals   | Company<br>Management,<br>Corporate<br>Executives,<br>Purchasing<br>(B,L) | Manufacturing<br>Production<br>Management<br>(C,R) | Manufacturing<br>Production<br>Department<br>(D,G,S) | Manufacturing<br>Engineering<br>Management<br>(E,V) | Manufacturing<br>Engineering<br>Department<br>(F,T) | Quality<br>Assurance,<br>Quality<br>Control<br>(P,Q) | Product<br>Design,<br>Research &<br>Development<br>(H,I,J) | Other<br>Qualified<br>Personnel<br>(A,N,U,X,Z) |
|---|----------|---|--|--|---|---|--|--|--|
| Aerospace/Aviation                                      |          |   |  |  |   |   | ,  |  |  |
| OEMs, Components & Parts                                | 7,124    | 2,088   | 672  | 883  | 864   | 1,706   | 284  | 447  | 180  |
| Captive Shops, Contract Shops & Job Shops               | 37,350   | 15,327  | 3,959  | 5,628  | 2,850   | 4,910   | 1,007  | 1,877  | 1,792  |
| Other Qualified: R&D, Consultants, Testing &            | ,        | ,   | ,  | ,  | ,   | ,   | ,  | ,  | ,  |
| Design, Q/A   | 3,791    | 1,699   | 200  | 269  | 234   | 453   | 25   | 195  | 716  |
| Totals  | 48,265   | 19,114  | 4,831  | 6,780  | 3,948   | 7,069   | 1,316  | 2,519  | 2,688  |
| Automotive/Transportation                               |          |   |  |  |   |   |  |  |  |
| OEMs, Components & Parts                                | 11,709   | 5,157   | 1,096  | 856  | 1,245   | 1,911   | 407  | 815  | 222  |
| Captive Shops, Contract Shops & Job Shops               | 41,312   | 16,990  | 4,386  | 6,053  | 3,261   | 5,640   | 965  | 2,152  | 1,865  |
| Other Qualified: R&D, Consultants, Testing &            |          |   |  |  |   |   |  |  |  |
| Design, Q/A   | 4,128    | 2,008   | 210  | 268  | 262   | 430   | 23   | 219  | 708  |
| Totals  | 57,149   | 24,155  | 5,692  | 7,177  | 4,768   | 7,981   | 1,395  | 3,186  | 2,795  |
| Medical/Dental  |          |   |  |  |   |   |  |  |  |
| OEMs, Components & Parts                                | 4,709    | 1,744   | 490  | 518  | 461   | 796   | 173  | 422  | 105  |
| Captive Shops, Contract Shops & Job Shops               | 30,455   | 12,190  | 3,173  | 4,672  | 2,386   | 4,151   | 772  | 1,569  | 1,542  |
| Other Qualified: R&D, Consultants, Testing &            |          |   |  |  |   |   |  |  |  |
| Design, Q/A   | 3,136    | 1,428   | 154  | 200  | 174   | 326   | 25   | 197  | 632  |
| Totals  | 38,300   | 15,362  | 3,817  | 5,390  | 3,021   | 5,273   | 970  | 2,188  | 2,279  |
| Oil & Gas/Energy  |          |   |  |  |   |   |  |  |  |
| OEMs, Components & Parts                                | 849      | 285   | 156  | 141  | 56  | 124   | 22   | 37   | 28   |
| Captive Shops, Contract Shops & Job Shops               | 37,134   | 13,995  | 4,120  | 5,855  | 3,042   | 5,463   | 1,000  | 1,926  | 1,733  |
| Other Qualified: R&D, Consultants, Testing &            |          | 4.047   | 474  | 0.05   | 477   | 0.11  |  | 450  | 507  |
| Design, Q/A   | 3,036    | 1,347   | 171  | 225  | 177   | 341   | 22   | 156  | 597  |
| Totals  | 41,019   | 15,627  | 4,447  | 6,221  | 3,275   | 5,928   | 1,044  | 2,119  | 2,358  |
| Military/Defense<br>OEMs, Components & Parts            | 975      | 275   | 75   | 126  | 133   | 242   | 24   | 79   | 21   |
| Captive Shops, Contract Shops & Job Shops               | 39,936   | 14,572  | 4,332  | 6,086  | 3,503   | 6,186   | 1,203  | 2,243  | 1,811  |
| Other Qualified: R&D, Consultants, Testing &            | <u> </u> | 14,372  | 4,332  | 0,000  | 3,505   | 0,100   | 1,203  | 2,243  | 1,011  |
| Design, Q/A   | 3.190    | 1,339   | 171  | 249  | 208   | 392   | 24   | 185  | 622  |
| Totals  | 44.101   | 16,186  | 4,578  | 6,461  | 3.844   | 6.820   | 1,251  | 2,507  | 2,454  |
| Offroad/Construction/Agriculture                        | -+-+,±01 | 10,100  | 4,576  | 0,401  | 3,044   | 0,020   | 1,201  | 2,501  | 2,404  |
| OEMs, Components & Parts                                | 1,479    | 459   | 183  | 195  | 150   | 309   | 31   | 124  | 28   |
| Captive Shops, Contract Shops & Job Shops               | 40,447   | 16.187  | 4,258  | 5,856  | 3,291   | 5,892   | 1,065  | 2,140  | 1,758  |
| Other Qualified: R&D, Consultants, Testing &            | 10,111   | 10,101  | 1,200  | 0,000  | 0,201   | 0,002   | 1,000  | 2,110  | 1,100  |
| Design, Q/A   | 3,144    | 1,465   | 171  | 206  | 170   | 353   | 14   | 155  | 610  |
| Totals  | 45.070   | 18,111  | 4,612  | 6,257  | 3,611   | 6,554   | 1,110  | 2,419  | 2,396  |
| Note 1: OEM, Components & Parts: Corresponding Industry |          |   | .,   | -,   | -,  | -,  | _,₽  | _,   | _,   |

Note 1: OEM, Components & Parts: Corresponding Industry NAICS Note 2: Captive Shops, Contract Shops & Job Shops: Respondents in Mfg NAICS (311-339) not Industry-Specific Note 3: Other Qualified: R&D, Consultants, Testing & Design, Q/A: Respondents in non-Mfg NAICS

#### SUPPLEMENTARY DATA FOR ISSUE OF NOVEMBER 2016

This is an analysis of 32,648 recipients in the indicated NAICS classifications, of whom 27,372 manufacture for the following industries based on their response to the question "Which of the following markets do you manufacture for?"

|   |  |        | Company<br>Management,                          |       |  |   |   | Ouality | Product |  |
|---|--|--------|---|-------|--|---|---|---------|---------|--|
| ; | Contract Shops & Job Shops (NAICS 326199,<br>33271, 33272, 33281, 333511, 333514,<br>333999) | Totals | Corporate<br>Executives,<br>Purchasing<br>(B,L) |       | Manufacturing<br>Production<br>Department<br>(D,G,S) | Manufacturing<br>Engineering<br>Management<br>(E,V) | Manufacturing<br>Engineering<br>Department<br>(F,T) |         |         | Other<br>Qualified<br>Personnel<br>(A,N,U,X,Z) |
|   | Aerospace/Aviation   | 17,863 | 9,413   | 1,839 | 2,717  | 900   | 1,412   | 492     | 474     | 616  |
|   | Automotive/Transportation  | 19,494 | 10,389  | 2,016 | 2,818  | 1,022   | 1,572   | 468     | 568     | 641  |
|   | Medical/Dental   | 14,677 | 7,598   | 1,519 | 2,273  | 775   | 1,192   | 375     | 411     | 534  |
|   | Oil & Gas/Energy   | 15,830 | 8,219   | 1,723 | 2,496  | 769   | 1,231   | 429     | 382     | 581  |
|   | Military/Defense   | 15,949 | 8,156   | 1,737 | 2,462  | 836   | 1,282   | 467     | 429     | 580  |
|   | Offroad/Construction/Agriculture   | 16,934 | 9,062   | 1,716 | 2,530  | 856   | 1,336   | 427     | 442     | 565  |

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

|  |        | Qualified Within |         |                    |         |
|--|--------|------------------|---------|--------------------|---------|
| QUALIFICATION SOURCE   | 1 Year | 2 Years          | 3 Years | Total<br>Qualified | Percent |
| I. Direct Request:   | 63,482 | 23,325           | -       | 86,807             | 88.2    |
| II. Request from recipient's company:  | 11     | -                | -       | 11                 | -       |
| III. Membership Benefit:   | -      | -                | -       | -                  | -       |
| <li>IV. Communication from recipient or recipient's company<br/>(other than request):</li> | 3,662  | -                | -       | 3,662              | 3.7     |
| V. TOTAL – Sources other than above (listed alphabetically):                               | 7,970  | -                | -       | 7,970              | 8.1     |
| Association rosters and directories  |        | -                | -       | -                  | -       |
| *Business directories  | 7,220  | -                | -       | 7,220              | 7.3     |
| Manufacturer's, distributor's, and wholesaler's lists                                      |        | -                | -       | -                  | -       |
| *Other sources   | 750    | -                | -       | 750                | 0.8     |
| VI. Single Copy Sales:   |        | -                | -       | -                  | -       |
| TOTAL QUALIFIED CIRCULATION  | 75,125 | 23,325           | -       | 98,450             | 100.0   |
| PERCEN   | r 76.3 | 23.7             | -       | 100.0              |         |

| MAILING ADDRESS                               | Total<br>Qualified | Percent |
|---|--------------------|---------|
| Individuals by name and title and/or function | 98,450             | 100.0   |
| Individuals by name only                      | -                  | -       |
| Titles or functions only                      | -                  | -       |
| Company names only                            | -                  | -       |
| Multi-Copy Same Addressee copies              | -                  | -       |
| Single Copy Sales                             | -                  | -       |
| TOTAL QUALIFIED CIRCULATION                   | 98,450             | 100.0   |

|  | Audited Data           | Audited Data            | Audited Data           | Audited Data            | Circulation Claim       | Circulation Claim        |
|--|------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------------|
| -<br>6-Month Period Ended:                                   | January – June<br>2014 | July – December<br>2014 | January – June<br>2015 | July – December<br>2015 | January – June<br>2016* | July – December<br>2016* |
| otal Audit Average Qualified:                                | 95,478                 | 96,381                  | 96,319                 | 96,619                  | 96,675                  | 98,571                   |
| ualified Non-Paid:   | 95,478                 | 96,381                  | 96,319                 | 96,619                  | 96,675                  | 98,571                   |
| ualified Paid:   | -                      | -                       | -                      | -                       | -                       | -                        |
| ost Expire Copies included in<br>otal Qualified Circulation: | **NC                   | **NC                    | **NC                   | **NC                    | **NC                    | **NC                     |
| verage Annual Order Price:                                   | **NC                   | **NC                    | **NC                   | **NC                    | **NC                    | **NC                     |

\*\*NC = None Claimed.

#### GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2016\*

| State            | Total Qualified | Percent | State                       | Total Qualified | Percent |
|------------------|-----------------|---------|-----------------------------|-----------------|---------|
| Maine            | 421             |         | Kentucky                    | 1,184           |         |
| New Hampshire    | 710             |         | Tennessee                   | 1,659           |         |
| Vermont          | 238             |         | Alabama                     | 1,023           |         |
| Massachusetts    | 2,281           |         | Mississippi                 | 381             |         |
| Rhode Island     | 340             |         | EAST SO. CENTRAL            | 4,247           | 4.3     |
| Connecticut      | 1,892           |         | Arkansas                    | 523             |         |
| NEW ENGLAND      | 5,882           | 6.0     | Louisiana                   | 706             |         |
| New York         | 3,738           |         | Oklahoma                    | 1,007           |         |
| New Jersey       | 1,693           |         | Texas                       | 5,020           |         |
| Pennsylvania     | 4,748           |         | WEST SO. CENTRAL            | 7,256           | 7.4     |
| MIDDLE ATLANTIC  | 10,179          | 10.3    | Montana                     | 228             |         |
| Ohio             | 7,031           |         | Idaho                       | 351             |         |
| Indiana          | 3,956           |         | Wyoming                     | 136             |         |
| Illinois         | 6,813           |         | Colorado                    | 930             |         |
| Michigan         | 7,387           |         | New Mexico                  | 297             |         |
| Wisconsin        | 4,348           |         | Arizona                     | 1,254           |         |
| EAST NO. CENTRAL | 29,535          | 30.0    | Utah                        | 789             |         |
| Minnesota        | 2,975           |         | Nevada                      | 292             |         |
| lowa             | 1,559           |         | MOUNTAIN                    | 4,277           | 4.4     |
| Missouri         | 1,938           |         | Alaska                      | 90              |         |
| North Dakota     | 239             |         | Washington                  | 1,825           |         |
| South Dakota     | 366             |         | Oregon                      | 1,001           |         |
| Nebraska         | 638             |         | California                  | 8,998           |         |
| Kansas           | 1,172           |         | Hawaii                      | 60              |         |
| WEST NO. CENTRAL | 8,887           | 9.0     | PACIFIC                     | 11,974          | 12.2    |
| Delaware         | 128             |         | UNITED STATES               | 92,416          | 93.9    |
| Maryland         | 852             |         | U.S. Territories            | 81              |         |
| Washington, DC   | 40              |         | Canada                      | 5,833           |         |
| Virginia         | 1,230           |         | Mexico                      | 120             |         |
| West Virginia    | 283             |         | Other International         | -               |         |
| North Carolina   | 2,200           |         | APO/FPO                     | -               |         |
| South Carolina   | 1,197           |         |                             |                 |         |
| Georgia          | 1,522           |         |                             | 09.450          | 100.0   |
| Florida          | 2,727           |         | TOTAL QUALIFIED CIRCULATION | 98,450          | 100.0   |
| SOUTH ATLANTIC   | 10,179          | 10.3    |                             |                 |         |

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MODERN MACHINE SHOP / December 2016 6

## E-NEWSLETTER CHANNEL

| 2016  | MMS Extra | The Shop - Blog |
|---|-----------|-----------------|
| ULY   |           | 01.101          |
| July 1  | -         | 61,181          |
| July 6  | 61,111    | -               |
| July 8  | -         | 61,109          |
| July 15   | -         | 60,916          |
| July 20   | 60,740    | 60,805          |
| July 22   | -         |                 |
| July 29<br>AUGUST   | •         | 60,657          |
| August 3  | 60,495    |                 |
| August 5  | 00,400    | 60,343          |
| August 12   |           | 60,400          |
| August 17   | 60,316    | -               |
| August 19   | 00,010    | 60.250          |
| August 26   | _         | 60,156          |
| SEPTEMBER   |           | 00,100          |
| September 2   | -         | 59,971          |
| September 7   | 59,681    |                 |
| September 9   |           | 59.617          |
| September 12  | -         | 59,728          |
| September 14  | -         | 59,224          |
| September 16  | -         | 59,377          |
| September 21  | 59,399    |                 |
| September 23  | -         | 59,394          |
| September 30  | -         | 59,209          |
| OCTOBER   |           |                 |
| October 5   | 59,117    |                 |
| October 7   | -         | 58,936          |
| October 14  | -         | 58,823          |
| October 19  | 58,738    | -               |
| October 21  | -         | 58,711          |
| October 28  | -         | 58,564          |
| NOVEMBER  |           |                 |
| November 2  | 58,354    |                 |
| November 4  | -         | 58,314          |
| November 11   | -         | 58,168          |
| November 16   | 58,115    | -               |
| November 18   | -         | 58,005          |
| November 28   | -         | 57,829          |
| DECEMBER  |           | 57.005          |
| December 2  | -         | 57,065          |
| December 7  | 56,868    | -               |
| December 9  | -         | 56,731          |
| December 16   | -         | 56,668          |
| December 21   | 57,315    | -               |
| December 22   | -         | 57,153          |
| AVERAGE<br>IMS Extra E-Newsletter (12 issued in the perio |           | 59,189          |

## WEBSITE CHANNEL

| WWW.MMISONLINE.COM |                     |                  |                    |                             |                  |                          |  |
|--------------------|---------------------|------------------|--------------------|-----------------------------|------------------|--------------------------|--|
| 2016               | PAGE<br>IMPRESSIONS | USER<br>SESSIONS | UNIQUE<br>BROWSERS | UNIQUE BROWSER<br>FREQUENCY | PAGE<br>DURATION | USER SESSION<br>DURATION |  |
| July               | 238,184             | 157,266          | 125,558            | 1.25                        | 02:38            | 01:22                    |  |
| August             | 264,023             | 170,615          | 137,421            | 1.24                        | 02:34            | 01:24                    |  |
| September          | 268,939             | 176,217          | 142,252            | 1.24                        | 02:20            | 01:14                    |  |
| October            | 258,701             | 165,569          | 135,690            | 1.22                        | 02:15            | 01:17                    |  |
| November           | 235,534             | 155,501          | 125,663            | 1.24                        | 02:27            | 01:17                    |  |
| December           | 220,397             | 142,941          | 115,536            | 1.24                        | 02:24            | 01:19                    |  |
| AVERAGE:           | 247.630             | 161.352          | 130.353            | 1.24                        | 02:26            | 01:19                    |  |

July - December 2016 data was provided by Google Analytics. All website activity is audited by BPA Worldwide.

#### WEBSITE GLOSSARY

Page Impressions: A Page Impression 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.

User Sessions: A single continuous set of activity attributable to a cookied 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.

Unique Browsers: An identified and unduplicated Cookied Browser that accesses Internet content or advertising during a measurement period.

Unique Browser Frequency: Unique Browser Frequency represents the average number of times a Unique Browser visits a site during a reporting period. This is calculated by dividing the total number of User Sessions by the number of Unique Browsers.

Page Duration: The average time spent viewing any page on a web site.

User Session Duration: The average 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

## **SOCIAL MEDIA CHANNEL**

|                    | Modern Machine Shop Social Media |                                   |   |  |  |  |
|--------------------|----------------------------------|-----------------------------------|---|--|--|--|
|                    | Twitter followers                | Facebook likes                    | in LinkedIn group members                       | You Tube YouTube views   |  |  |
| 2016               | http://twitter.com/mmsonline     | http://www.facebook.com/mmsonline | http://www.linkedin.com/grp/homore ?gid=4074615 | e <u>https://www.youtube.com/user/m</u><br><u>msonlinevideos</u> |  |  |
| Beginning Balance: | 6,704                            | 5,305                             | 1,946   | 101,429  |  |  |
| July               | 6,813                            | 5,649                             | 1,944   | 103,904  |  |  |
| August             | 6,939                            | 5,883                             | 1,943   | 108,288  |  |  |
| September          | 7,057                            | 6,156                             | 1,941   | 115,217  |  |  |
| October            | 7,162                            | 6,361                             | 1,948   | 119,814  |  |  |
| November           | 7,234                            | 6,543                             | 1,945   | 124,555  |  |  |
| December           | 7,333                            | 6,725                             | 1,948   | 129,150  |  |  |

## **ADDITIONAL DATA**

#### MAGAZINE:

#### PARAGRAPH 3b:

Business directories include 1 source of circulation for quantities of 7,220 copies or 7.3%. Other sources include 6 sources of circulation for quantities of 16 copies or 2.1% to 518 copies or 69.1%, including NTMA member list.

#### **GEOGRAPHIC DISTRIBUTION:**

Geographic data for E-Newsletter, Website and Social Media is 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.   | Date signed                                   | January 16, 2017<br>Ohio<br>Hamilton |
| Travis Egan, Publisher  | State   |                                      |
| Julie Ball, Circulation Manager   | County  |                                      |
| At least one of the above signatures must be that of an officer of the publishing company or its  | Received by BPA Worldwide                     | January 16, 2017                     |
| authorized representative.)<br>IMPORTANT NOTE:  | Туре  | BD                                   |
| This unaudited brand report has been checked against the previous audit report.<br>It will be included in the annual audit made by BPA Worldwide.   | ID Number                                     | M102B0D6                             |
| About BPA Worldwide:<br>A not-for-profit organization since 1931, BPA Worldwide is governed by a tripartite board comprised of r<br>Connecticut, USA, BPA has the largest membership of any media-auditing organization in the world, spa<br>consumer magazines, newspapers, web sites, events, email newsletters, databases, wireless, social me<br>members. Visit www.bpaww.com for the latest audit reports, membership information and publishing and | nning more than 30 countries. Globally, BPA a | audits media properties including    |

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