

**BUSINESS PUBLICATION CIRCULATION STATEMENT  
FOR THE 6 MONTH PERIOD ENDED DECEMBER 2007**

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.

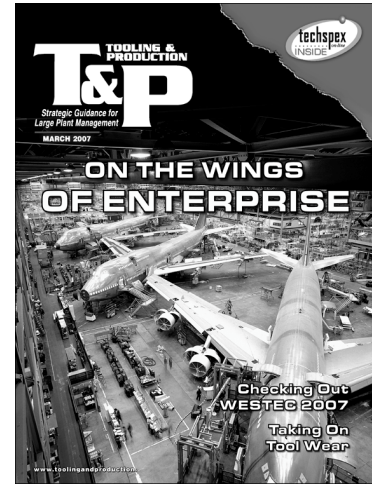
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**FIELD SERVED**

TOOLING & PRODUCTION MAGAZINE serves the metalworking manufacturing industries. Included are plants performing metalworking operations whose products fall in the North American Industry Classification System (NAICS) 331, 332, 333, 334, 335, 336, 337 and 339. Also served are metals service centers (NAICS 42351) and wholesale industrial machinery and equipment (42383).

**DEFINITION OF RECIPIENT QUALIFICATION**

Qualified recipients are decision makers such as manufacturing/production engineers/managers, and other company managers/personnel in the metalworking manufacturing industries including aerospace, automotive, medical and other facilities engaged in or supporting high-throughput or tolerance-critical production.

| AVERAGE NON-QUALIFIED CIRCULATION                  |              |
|--|--------------|
| NON-QUALIFIED<br>Not Included Elsewhere            | Copies       |
| Other Paid Circulation _____                       | 174          |
| Advertiser and Agency _____                        | 829          |
| Rotated or Occasional _____                        | -            |
| Allocated for Trade Shows<br>and Conventions _____ | 17           |
| All Other _____                                    | 481          |
| <b>TOTAL</b>                                       | <b>1,501</b> |

| 1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR PERIOD |                 |              |                    |              |                |         |
|--|-----------------|--------------|--------------------|--------------|----------------|---------|
| QUALIFIED CIRCULATION                                | Total Qualified |              | Qualified Non-Paid |              | Qualified Paid |         |
|  | Copies          | Percent      | Copies             | Percent      | Copies         | Percent |
| Individual _____                                     | 60,000          | 100.0        | 60,000             | 100.0        | -              | -       |
| Sponsored Individually Addressed _                   | -               | -            | -                  | -            | -              | -       |
| Membership Benefit _____                             | -               | -            | -                  | -            | -              | -       |
| Multi-Copy Same Addressee _____                      | -               | -            | -                  | -            | -              | -       |
| Single Copy Sales _____                              | -               | -            | -                  | -            | -              | -       |
| <b>TOTAL QUALIFIED CIRCULATION</b>                   | <b>60,000</b>   | <b>100.0</b> | <b>60,000</b>      | <b>100.0</b> | -              | -       |

| 2. QUALIFIED CIRCULATION BY ISSUES WITH REMOVALS AND ADDITIONS FOR PERIOD |                |              |                    |                |                 |                |                |               |                    |                |                 |
|---|----------------|--------------|--------------------|----------------|-----------------|----------------|----------------|---------------|--------------------|----------------|-----------------|
| 2007 Issue  | Number Removed | Number Added | Qualified Non-Paid | Qualified Paid | Total Qualified | 2007 Issue     | Number Removed | Number Added  | Qualified Non-Paid | Qualified Paid | Total Qualified |
| July _____  | 195            | 195          |                    |                | 60,000          | October _____  | 251            | 251           |                    |                | 60,000          |
| August _____  | 39             | 39           |                    |                | 60,000          | November _____ | 16,526         | 16,526        |                    |                | 60,000          |
| September _____   | 181            | 181          |                    |                | 60,000          | December _____ | 36             | 36            |                    |                | 60,000          |
|   |                |              |                    |                |                 | <b>TOTAL</b>   | <b>17,228</b>  | <b>17,228</b> |                    |                |                 |

**3a. BUSINESS/OCCUPATIONAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2007**

This issue is equal to the average of the other 5 issues reported in Paragraph two.

The data reported herein represents a change from SIC to NAICS business/industry categories.

NAICS (North American Industry Classification System) replaces the SIC (Standard Industrial Classification) coding systems. NAICS was developed jointly by the United States, Canada and Mexico to classify business establishments in North America by their primary economic activity.

The NAICS codes reported herein are based on 2002 NAICS Manual. For additional information about NAICS, please go to [www.census.gov](http://www.census.gov).

| NAICS  | BUSINESS & INDUSTRY   | TOTAL QUALIFIED | PERCENT OF TOTAL | Corporate Mgmt. | Manufacturing Production | Manufacturing Engineering | Quality Assurance/Control | Factory Automation | Product Design/R&D | Purchasing | Other |
|--------|---|-----------------|------------------|-----------------|--------------------------|---------------------------|---------------------------|--------------------|--------------------|------------|-------|
| 23     | CONSTRUCTION  | 754             | 1.3              | 244             | 146                      | 176                       | 41                        | 9                  | 85                 | 25         | 28    |
| 331    | PRIMARY METAL MANUFACTURING   |                 |                  |                 |                          |                           |                           |                    |                    |            |       |
| 331111 | Iron and Steel Mills  | 65              | 0.1              | 17              | 21                       | 12                        | 7                         | 1                  | 1                  | 3          | 3     |
| 331112 | Electrometallurgical Ferroalloy Product Mfg                                   | 6               | -                | -               | 2                        | 3                         | 1                         | -                  | -                  | -          | -     |
| 33121  | Iron and Steel Pipe and Tube Mfg from Purchased Steel                         | 118             | 0.2              | 31              | 27                       | 41                        | 8                         | 3                  | 2                  | 4          | 2     |
| 331221 | Rolled Steel Shape Mfg  | 223             | 0.4              | 63              | 52                       | 55                        | 17                        | 3                  | 12                 | 10         | 11    |
| 331222 | Steel Wire Drawing  | 62              | 0.1              | 17              | 12                       | 18                        | 2                         | -                  | 5                  | 2          | 6     |
| 331311 | Alumina Refining  | 55              | 0.1              | 1               | 12                       | 25                        | 3                         | 1                  | 7                  | 2          | 4     |
| 331312 | Primary Aluminum Production   | 7               | -                | 1               | 3                        | -                         | -                         | 1                  | 1                  | 1          | -     |
| 331314 | Secondary Smelting and Alloying of Aluminum                                   | 9               | -                | -               | 2                        | 5                         | 1                         | -                  | -                  | 1          | -     |
| 331315 | Aluminum Sheet, Plate, and Foil Mfg   | 19              | -                | -               | 3                        | 10                        | 2                         | -                  | 2                  | 1          | 1     |
| 331316 | Aluminum Extruded Product Mfg   | 103             | 0.2              | 25              | 12                       | 40                        | 10                        | 2                  | 7                  | 5          | 2     |
| 331319 | Other Aluminum Rolling and Drawing  | 44              | 0.1              | 11              | 13                       | 10                        | 3                         | 1                  | 4                  | 2          | -     |
| 331411 | Primary Smelting and Refining of Copper                                       | 4               | -                | -               | 2                        | 1                         | 1                         | -                  | -                  | -          | -     |
| 331419 | Primary Smelting and Refining of Nonferrous Metal (ex. Copper and Aluminum)   | 24              | -                | 5               | 6                        | 8                         | 2                         | -                  | 3                  | -          | -     |
| 331421 | Copper Rolling, Drawing, and Extruding  | 52              | 0.1              | 6               | 15                       | 13                        | 10                        | 1                  | 2                  | 5          | -     |
| 331422 | Copper Wire (except Mechanical) Drawing                                       | 1               | -                | -               | -                        | 1                         | -                         | -                  | -                  | -          | -     |
| 331423 | Secondary Smelting, Refining, and Alloying of Copper                          | 2               | -                | 1               | -                        | -                         | -                         | -                  | -                  | 1          | -     |
| 331491 | Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding | 49              | 0.1              | 3               | 15                       | 17                        | 7                         | -                  | 3                  | 1          | 3     |
| 331492 | Secondary Smelting, Refining, and Alloying of Non-Ferrous Metal               | 32              | 0.1              | 2               | 4                        | 17                        | 2                         | -                  | 5                  | 2          | -     |
| 331511 | Iron Foundries  | 188             | 0.3              | 31              | 62                       | 66                        | 9                         | 4                  | 5                  | 8          | 3     |
| 331512 | Steel Investment Foundries  | 60              | 0.1              | 6               | 12                       | 31                        | 7                         | 2                  | 1                  | 1          | 1     |
| 331513 | Steel Foundries (except Investment)   | 130             | 0.2              | 29              | 38                       | 31                        | 9                         | 2                  | 9                  | 7          | 5     |
| 331521 | Aluminum Die-Casting Foundries  | 152             | 0.3              | 24              | 31                       | 66                        | 16                        | 5                  | 4                  | 4          | 2     |
| 331522 | Nonferrous (except Aluminum) Die-Casting Foundries                            | 42              | 0.1              | 10              | 13                       | 8                         | 7                         | -                  | 1                  | 3          | -     |
| 331524 | Aluminum Foundries (except Die-Casting)                                       | 80              | 0.1              | 16              | 21                       | 25                        | 6                         | 1                  | 7                  | 2          | 2     |
| 331525 | Copper Foundries (except Die-Casting)   | 39              | 0.1              | 6               | 14                       | 15                        | 2                         | -                  | -                  | 2          | -     |
| 331528 | Other Nonferrous Foundries (except Die-Casting)                               | 56              | 0.1              | 19              | 13                       | 17                        | 3                         | -                  | 1                  | 1          | 2     |
|        | Sub-Total NAICS 331   | 1,622           | 2.8              | 324             | 405                      | 535                       | 135                       | 27                 | 82                 | 67         | 47    |
| 332    | FABRICATED METAL PRODUCT MANUFACTURING  |                 |                  |                 |                          |                           |                           |                    |                    |            |       |
| 332111 | Iron and Steel Forging  | 321             | 0.5              | 60              | 81                       | 108                       | 24                        | 10                 | 18                 | 12         | 8     |
| 332112 | Nonferrous Forging  | 67              | 0.1              | 11              | 16                       | 23                        | 7                         | 1                  | 1                  | 6          | 2     |
| 332114 | Custom Form Rolling   | 16              | -                | 5               | 8                        | 3                         | -                         | -                  | -                  | -          | -     |
| 332115 | Crown and Closure Mfg   | 14              | -                | 2               | 5                        | 1                         | 2                         | -                  | 3                  | 1          | -     |
| 332116 | Metal Stamping  | 527             | 0.9              | 169             | 127                      | 126                       | 44                        | 5                  | 21                 | 23         | 12    |
| 332117 | Powder Metallurgy Part Manufacturing  | 46              | 0.1              | 13              | 9                        | 11                        | 6                         | -                  | 3                  | 3          | 1     |
| 332211 | Cutlery and Flatware (except Precious) Mfg                                    | 14              | -                | 2               | 4                        | 4                         | 1                         | -                  | 3                  | -          | -     |
| 332212 | Hand and Edge Tool Mfg  | 417             | 0.7              | 116             | 77                       | 138                       | 16                        | 5                  | 38                 | 12         | 15    |
| 332213 | Saw Blade and Handsaw Mfg   | 58              | 0.1              | 21              | 17                       | 14                        | -                         | 1                  | 1                  | 3          | 1     |
| 332214 | Kitchen Utensil, Pot and Pan Mfg  | 42              | 0.1              | 11              | 14                       | 9                         | 2                         | -                  | 5                  | 1          | -     |
| 332311 | Prefabricated Metal Building and Component Mfg                                | 135             | 0.2              | 37              | 44                       | 19                        | 8                         | 1                  | 9                  | 7          | 10    |
| 332312 | Fabricated Structural Metal Mfg   | 567             | 0.9              | 220             | 126                      | 95                        | 34                        | 5                  | 27                 | 29         | 31    |
| 332313 | Plast Work Mfg  | 68              | 0.1              | 17              | 25                       | 17                        | 3                         | -                  | 2                  | 3          | 1     |
| 332321 | Metal Window and Door Mfg   | 357             | 0.6              | 96              | 81                       | 90                        | 22                        | 6                  | 18                 | 27         | 17    |
| 332322 | Sheet Metal Work Mfg  | 232             | 0.4              | 85              | 62                       | 51                        | 8                         | 4                  | 8                  | 9          | 5     |
| 332323 | Ornamental and Architectural Metal Work Mfg                                   | 95              | 0.2              | 37              | 14                       | 25                        | 3                         | -                  | 6                  | 8          | 2     |
| 33241  | Power Boiler and Heat Exchanger Mfg   | 84              | 0.1              | 13              | 25                       | 31                        | 2                         | -                  | 9                  | 3          | 1     |
| 33242  | Metal Tank (Heavy Gauge) Mfg  | 45              | 0.1              | 15              | 11                       | 11                        | 2                         | -                  | 3                  | 2          | 1     |
| 332431 | Metal Can Mfg   | 120             | 0.2              | 24              | 34                       | 35                        | 10                        | 3                  | 11                 | 1          | 2     |
| 332439 | Other Metal Container Mfg   | 566             | 0.9              | 153             | 118                      | 176                       | 56                        | 5                  | 26                 | 15         | 17    |
| 33251  | Hardware Mfg  | 110             | 0.2              | 32              | 33                       | 19                        | 2                         | 2                  | 14                 | 5          | 3     |
| 332611 | Spring (Heavy Gauge) Mfg  | 41              | 0.1              | 7               | 12                       | 11                        | 2                         | 1                  | 5                  | 3          | -     |
| 332612 | Spring (Light Gauge) Mfg  | 49              | 0.1              | 15              | 8                        | 12                        | 9                         | 1                  | 2                  | 2          | -     |
| 332618 | Other Fabricated Wire Product mfg   | 119             | 0.2              | 45              | 26                       | 24                        | 7                         | -                  | 9                  | 4          | 4     |
| 33271  | Machine Shops   | 3,554           | 5.9              | 1,682           | 789                      | 614                       | 146                       | 34                 | 113                | 110        | 66    |
| 332721 | Precision Turned Product Mfg  | 456             | 0.8              | 149             | 126                      | 113                       | 26                        | 6                  | 16                 | 8          | 12    |
| 332722 | Bolt, Nut, Screw, Rivet, and Washer Mfg                                       | 265             | 0.4              | 60              | 78                       | 63                        | 21                        | 4                  | 19                 | 10         | 10    |
| 332811 | Metal Heat Treating   | 79              | 0.1              | 12              | 31                       | 18                        | 4                         | 1                  | 6                  | 3          | 4     |
| 332812 | Metal Coating, Engraving and Allied Services to Manufacturers                 | 194             | 0.3              | 76              | 51                       | 31                        | 11                        | 3                  | 9                  | 7          | 6     |
| 332813 | Electroplating, Plating, Polishing, Anodizing, and Coloring                   | 304             | 0.5              | 92              | 82                       | 50                        | 19                        | 5                  | 23                 | 17         | 16    |
| 332911 | Industrial Valve Mfg  | 309             | 0.5              | 50              | 83                       | 95                        | 23                        | 5                  | 30                 | 9          | 14    |
| 332912 | Fluid Power Valve and Hose Fitting Mfg  | 275             | 0.5              | 35              | 75                       | 96                        | 19                        | 2                  | 28                 | 14         | 6     |
| 332913 | Plumbing Fixture Fitting and Trim Mfg   | 42              | 0.1              | 11              | 9                        | 16                        | 2                         | -                  | 3                  | 1          | -     |
| 332919 | Other Metal Valve and Pipe Fitting Mfg  | 171             | 0.3              | 32              | 46                       | 58                        | 12                        | 2                  | 11                 | 8          | 2     |
| 332991 | Ball and Roller Bearing Mfg   | 343             | 0.6              | 45              | 81                       | 142                       | 28                        | 6                  | 22                 | 12         | 7     |
| 332992 | Small Arms Ammunition Mfg   | 24              | -                | 6               | 6                        | 10                        | -                         | 1                  | -                  | -          | 1     |
| 332993 | Ammunition (except Small Arms) Mfg  | 56              | 0.1              | 5               | 15                       | 24                        | 8                         | -                  | 4                  | -          | -     |
| 332994 | Small Arms Mfg  | 143             | 0.2              | 32              | 21                       | 51                        | 7                         | 3                  | 20                 | 4          | 5     |
| 332995 | Other Ordnance and Accessories Mfg  | 34              | 0.1              | 6               | 8                        | 17                        | -                         | -                  | 1                  | 1          | 1     |
| 332996 | Fabricated Pipe and Pipe Fitting Mfg  | 160             | 0.3              | 49              | 43                       | 46                        | 7                         | 3                  | 5                  | 3          | 4     |
| 332997 | Industrial Pattern Mfg  | 56              | 0.1              | 34              | 8                        | 6                         | 2                         | -                  | 3                  | 2          | 1     |
| 332998 | Enameled Iron and Metal Sanitary Ware Mfg                                     | 101             | 0.2              | 13              | 21                       | 42                        | 3                         | 1                  | 14                 | 4          | 3     |
| 332999 | All Other Miscellaneous Fabricated Metal Product Mfg                          | 519             | 0.9              | 137             | 127                      | 152                       | 24                        | 3                  | 31                 | 31         | 14    |
|        | Sub-Total NAICS 332   | 11,195          | 18.7             | 3,732           | 2,677                    | 2,697                     | 632                       | 129                | 600                | 423        | 305   |
| 333    | MACHINERY MANUFACTURING   |                 |                  |                 |                          |                           |                           |                    |                    |            |       |
| 333111 | Farm Machinery and Equipment Mfg  | 144             | 0.3              | 36              | 37                       | 34                        | 7                         | 1                  | 17                 | 8          | 4     |
| 333112 | Lawn and Garden Tractor and Home Lawn & Garden Equipment Mfg                  | 122             | 0.2              | 22              | 25                       | 42                        | 11                        | -                  | 14                 | 3          | 5     |
| 33312  | Construction Machinery Mfg  | 228             | 0.4              | 44              | 50                       | 68                        | 7                         | 2                  | 30                 | 15         | 12    |
| 333131 | Mining Machinery and Equipment Mfg  | 132             | 0.2              | 26              | 32                       | 33                        | 10                        | 2                  | 18                 | 8          | 3     |
| 333132 | Oil and Gas Field Machinery and Equipment Mfg                                 | 301             | 0.5              | 52              | 90                       | 102                       | 18                        | 8                  | 18                 | 9          | 4     |
| 33321  | Sawmill and Woodworking Machinery Mfg   | 66              | 0.1              | 24              | 15                       | 17                        | 2                         | -                  | 5                  | 2          | 1     |
| 33322  | Plastics and Rubber Industry Machinery Mfg                                    | 13              | -                | 2               | 2                        | 4                         | 2                         | -                  | 3                  | -          | -     |

| NAICS  | BUSINESS & INDUSTRY   | TOTAL QUALIFIED | PERCENT OF TOTAL | Corporate Mgmt. | Manufacturing Production | Manufacturing Engineering | Quality Assurance/Control | Factory Automation | Product Design/R&D | Purchasing | Other |
|--------|---|-----------------|------------------|-----------------|--------------------------|---------------------------|---------------------------|--------------------|--------------------|------------|-------|
| 333295 | Semiconductor Machinery Mfg   | 4               | -                | -               | -                        | 2                         | -                         | -                  | 1                  | 1          | -     |
| 333298 | All Other Industrial Machinery Mfg  | 83              | 0.1              | 13              | 16                       | 36                        | 5                         | 1                  | 4                  | 5          | 3     |
| 333311 | Automatic Vending Machine Mfg   | 27              | -                | 9               | 7                        | 5                         | 2                         | -                  | 3                  | -          | 1     |
| 333312 | Commercial Laundry, Drycleaning, and Pressing Machine Mfg                                     | 25              | -                | 2               | 11                       | 8                         | 2                         | -                  | 1                  | -          | 1     |
| 333313 | Office Machinery Mfg  | 84              | 0.1              | 9               | 28                       | 31                        | 4                         | 3                  | 7                  | 1          | 1     |
| 333314 | Optical Instrument and Lens Mfg   | 150             | 0.3              | 27              | 22                       | 61                        | 11                        | 2                  | 20                 | 4          | 3     |
| 333315 | Photographic and Photocopying Equipment Mfg   | 94              | 0.2              | 18              | 18                       | 31                        | 1                         | 3                  | 16                 | 4          | 3     |
| 333319 | Other Commercial and Service Industry Machinery Mfg   | 1,048           | 1.7              | 263             | 222                      | 288                       | 53                        | 14                 | 136                | 40         | 32    |
| 333411 | Air Purification Equipment Mfg  | 63              | 0.1              | 18              | 17                       | 18                        | 3                         | 2                  | 4                  | 1          | -     |
| 333412 | Industrial and Commercial Fan and Blower Mfg  | 174             | 0.3              | 41              | 34                       | 48                        | 8                         | 4                  | 19                 | 11         | 9     |
| 333414 | Heating Equipment (except Warm Air Furnaces) Mfg  | 207             | 0.3              | 29              | 46                       | 77                        | 16                        | 2                  | 25                 | 8          | 4     |
| 333415 | Air-Conditioning and Warm Air Heating Equipment Mfg   | 774             | 1.3              | 188             | 191                      | 214                       | 50                        | 9                  | 58                 | 43         | 21    |
| 333511 | Industrial Mold Manufacturing   | 132             | 0.2              | 39              | 35                       | 35                        | 10                        | 2                  | 7                  | 3          | 1     |
| 333512 | Machine Tool (Metal Cutting Types) Mfg  | 626             | 1.0              | 191             | 138                      | 150                       | 32                        | 10                 | 61                 | 23         | 21    |
| 333513 | Machine Tool (Metal Forming Types) Mfg  | 192             | 0.3              | 61              | 50                       | 39                        | 7                         | 6                  | 14                 | 11         | 4     |
| 333514 | Special Die and Tool, Die Set, Jig, and Fixture Mfg   | 1,078           | 1.8              | 487             | 232                      | 186                       | 52                        | 13                 | 40                 | 36         | 32    |
| 333515 | Cutting Tool and Machine Tool Accessory Mfg   | 538             | 0.9              | 144             | 127                      | 128                       | 21                        | 10                 | 68                 | 22         | 18    |
| 333516 | Rolling Mill Machinery and Equipment Mfg  | 57              | 0.1              | 17              | 15                       | 15                        | 4                         | -                  | 3                  | 2          | 1     |
| 333518 | Other Metalworking Machinery Mfg  | 172             | 0.3              | 35              | 35                       | 62                        | 10                        | 6                  | 17                 | 4          | 3     |
| 333611 | Turbine and Turbine Generator Set Units Mfg   | 319             | 0.5              | 37              | 64                       | 134                       | 19                        | 4                  | 37                 | 14         | 10    |
| 333612 | Speed Changer, Industrial High-Speed Drive, and Gear Mfg                                      | 197             | 0.3              | 31              | 46                       | 77                        | 16                        | 3                  | 12                 | 9          | 3     |
| 333613 | Mechanical Power Transmission Equipment Mfg   | 226             | 0.4              | 30              | 65                       | 79                        | 17                        | 5                  | 20                 | 6          | 4     |
| 333618 | Other Engine Equipment Mfg  | 256             | 0.4              | 40              | 46                       | 100                       | 16                        | 4                  | 39                 | 7          | 4     |
| 333911 | Pump and Pumping Equipment Mfg  | 458             | 0.8              | 63              | 127                      | 174                       | 22                        | 2                  | 45                 | 14         | 11    |
| 333912 | Air and Gas Compressor Mfg  | 199             | 0.3              | 22              | 51                       | 73                        | 14                        | 3                  | 24                 | 7          | 5     |
| 333913 | Measuring and Dispensing Pump Mfg   | 28              | -                | 4               | 10                       | 8                         | 1                         | -                  | 4                  | -          | 1     |
| 333921 | Elevator and Moving Stairway Mfg  | 56              | 0.1              | 7               | 10                       | 20                        | 3                         | 4                  | 7                  | 3          | 2     |
| 333922 | Conveyor and Conveying Equipment Mfg  | 587             | 1.0              | 135             | 140                      | 178                       | 31                        | 4                  | 50                 | 30         | 19    |
| 333923 | Overhead Traveling Crane, Hoist, and Monorail System Mfg                                      | 81              | 0.1              | 13              | 26                       | 22                        | 5                         | -                  | 6                  | 8          | 1     |
| 333924 | Industrial Truck, Tractor, Trailer, and Stacker Machinery Mfg                                 | 379             | 0.6              | 70              | 90                       | 128                       | 15                        | 13                 | 33                 | 16         | 14    |
| 333991 | Power-Driven Handtool Mfg   | 124             | 0.2              | 17              | 30                       | 33                        | 6                         | 2                  | 24                 | 8          | 4     |
| 333992 | Welding and Soldering Equipment Mfg   | 140             | 0.3              | 34              | 42                       | 44                        | 3                         | 2                  | 8                  | 5          | 2     |
| 333993 | Packaging Machinery Mfg   | 202             | 0.3              | 34              | 54                       | 70                        | 11                        | -                  | 18                 | 9          | 6     |
| 333994 | Industrial Process Furnace and Oven Mfg   | 157             | 0.3              | 43              | 34                       | 40                        | 2                         | 3                  | 22                 | 5          | 8     |
| 333995 | Fluid Power Cylinder and Actuator Mfg   | 179             | 0.3              | 37              | 47                       | 53                        | 10                        | 8                  | 14                 | 6          | 4     |
| 333996 | Fluid Power Pump and Motor Mfg  | 135             | 0.2              | 23              | 31                       | 57                        | 4                         | 1                  | 12                 | 5          | 2     |
| 333997 | Scale and Balance (except Laboratory) Mfg   | 48              | 0.1              | 5               | 12                       | 21                        | 1                         | 2                  | 4                  | 1          | 2     |
| 333999 | All Other Miscellaneous General Purpose Machinery Mfg   | 746             | 1.2              | 212             | 136                      | 225                       | 33                        | 12                 | 65                 | 30         | 33    |
|        | Sub-Total NAICS 333   | 11,631          | 19.1             | 2,783           | 2,710                    | 3,439                     | 592                       | 179                | 1,122              | 467        | 339   |
| 334    | COMPUTER AND ELECTRONIC PRODUCT MANUFACTURING   |                 |                  |                 |                          |                           |                           |                    |                    |            |       |
| 334111 | Electronic Computer Mfg   | 152             | 0.3              | 21              | 15                       | 62                        | 6                         | 3                  | 33                 | 1          | 11    |
| 334112 | Computer Storage Device Mfg   | 63              | 0.1              | 7               | 8                        | 29                        | 5                         | 1                  | 13                 | -          | -     |
| 334113 | Computer Terminal Mfg   | 5               | -                | 2               | -                        | 1                         | -                         | -                  | 1                  | -          | 1     |
| 334119 | Other Computer Peripheral Equipment Mfg   | 100             | 0.2              | 14              | 13                       | 44                        | 1                         | 1                  | 25                 | 2          | -     |
| 33421  | Telephone Apparatus Mfg   | 37              | 0.1              | 12              | 6                        | 10                        | 3                         | -                  | 3                  | 2          | 1     |
| 33422  | Radio and Television Broadcasting and Wireless Communications Equipment Mfg                   | 439             | 0.7              | 55              | 94                       | 170                       | 21                        | 4                  | 77                 | 8          | 10    |
| 33429  | Other Communications Equipment Mfg  | 197             | 0.3              | 23              | 37                       | 70                        | 15                        | 1                  | 35                 | 10         | 6     |
| 33431  | Audio and Video Equipment Mfg   | 132             | 0.2              | 28              | 22                       | 42                        | 8                         | 3                  | 17                 | 9          | 3     |
| 334411 | Electron Tube Mfg   | 27              | -                | 5               | 4                        | 11                        | 2                         | -                  | 4                  | -          | 1     |
| 334412 | Bare Printed Circuit Board Mfg  | 215             | 0.4              | 45              | 42                       | 80                        | 12                        | 5                  | 14                 | 10         | 7     |
| 334413 | Semiconductor and Related Device Mfg  | 568             | 0.9              | 55              | 97                       | 241                       | 35                        | 4                  | 107                | 11         | 18    |
| 334414 | Electronic Capacitor Mfg  | 74              | 0.1              | 12              | 16                       | 29                        | 4                         | 3                  | 7                  | 2          | 1     |
| 334415 | Electronic Resistor Mfg   | 15              | -                | 1               | 5                        | 5                         | 1                         | 1                  | 1                  | 2          | -     |
| 334416 | Electronic Coil, Transformer, and Other Inductor Mfg  | 83              | 0.1              | 14              | 20                       | 29                        | 5                         | 1                  | 10                 | 3          | 1     |
| 334417 | Electronic Connector Mfg  | 209             | 0.3              | 24              | 43                       | 85                        | 15                        | 4                  | 30                 | 4          | 4     |
| 334418 | Printed Circuit Assembly (Electronic Assembly) Manufacturing                                  | 97              | 0.2              | 14              | 10                       | 35                        | 8                         | -                  | 27                 | 2          | 1     |
| 334419 | Other Electronic Component Mfg  | 721             | 1.2              | 123             | 138                      | 259                       | 48                        | 2                  | 119                | 14         | 18    |
| 33451  | Navigational, Measuring, Electromedical, and Control Instrument Manufacturing                 | 50              | 0.1              | 11              | 9                        | 13                        | 5                         | 1                  | 10                 | -          | 1     |
| 334511 | Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Mfg | 774             | 1.3              | 92              | 138                      | 298                       | 37                        | 10                 | 155                | 17         | 27    |
| 334512 | Automatic Environmental Control Mfg for Residential, Commercial, and Appliance Use            | 169             | 0.3              | 29              | 39                       | 47                        | 12                        | 1                  | 29                 | 9          | 3     |
| 334513 | Instruments and Related Products Mfg for Measuring, Displaying, and Controlling               | 339             | 0.6              | 59              | 83                       | 95                        | 24                        | 3                  | 55                 | 11         | 9     |
| 334514 | Totalizing Fluid Meter and Counting Device Mfg  | 142             | 0.2              | 35              | 32                       | 43                        | 9                         | -                  | 19                 | 1          | 3     |
| 334515 | Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals         | 225             | 0.4              | 17              | 50                       | 77                        | 13                        | -                  | 49                 | 9          | 10    |
| 334516 | Analytical Laboratory Instrument Mfg  | 156             | 0.3              | 30              | 39                       | 45                        | 7                         | 1                  | 27                 | 3          | 4     |
| 334517 | Irradiation Apparatus Mfg   | 149             | 0.2              | 17              | 29                       | 52                        | 8                         | -                  | 31                 | 3          | 9     |
| 334518 | Watch, Clock and Part Mfg   | 62              | 0.1              | 13              | 17                       | 17                        | 5                         | -                  | 4                  | 2          | 4     |
| 334519 | Other Measuring and Controlling Device Mfg  | 103             | 0.2              | 16              | 33                       | 26                        | 5                         | -                  | 16                 | 3          | 4     |
| 334611 | Software Reproducing  | 21              | -                | 8               | 3                        | 4                         | 2                         | -                  | 2                  | 2          | -     |
| 334612 | Prerecorded Compact Disc (except Software), Tape, and Record Reproducing                      | 16              | -                | 3               | 7                        | 5                         | -                         | -                  | 1                  | -          | -     |
| 334613 | Magnetic and Optical Recording Media Mfg  | 180             | 0.3              | 31              | 40                       | 57                        | 11                        | 3                  | 23                 | 7          | 8     |
|        | Sub-Total NAICS 334   | 5,520           | 9.1              | 816             | 1,089                    | 1,981                     | 326                       | 52                 | 944                | 147        | 165   |
| 335    | ELECTRICAL EQUIPMENT, APPLIANCE, AND COMPONENT MANUFACTURING                                  |                 |                  |                 |                          |                           |                           |                    |                    |            |       |
| 33511  | Electric Lamp Bulb and Part Mfg   | 77              | 0.1              | 9               | 21                       | 25                        | 3                         | 3                  | 10                 | 3          | 3     |
| 335121 | Residential Electric Lighting Fixture Mfg   | 115             | 0.2              | 24              | 28                       | 33                        | 7                         | 1                  | 13                 | 8          | 1     |
| 335122 | Commercial, Industrial, and Institutional Electric Lighting Fixture Mfg                       | 65              | 0.1              | 13              | 13                       | 24                        | 4                         | -                  | 7                  | 4          | -     |
| 335129 | Other Lighting Equipment Mfg  | 93              | 0.2              | 25              | 15                       | 29                        | 3                         | -                  | 11                 | 3          | 7     |
| 335211 | Electric Housewares and Electric Fan Mfg  | 20              | -                | 7               | 2                        | 6                         | 1                         | -                  | 2                  | 2          | -     |
| 335212 | Household Vacuum Cleaner Mfg  | 38              | 0.1              | 3               | 7                        | 18                        | -                         | -                  | 9                  | 1          | -     |
| 335221 | Household Cooking Appliance Mfg   | 57              | 0.1              | 10              | 11                       | 17                        | 5                         | -                  | 10                 | 3          | 1     |
| 335222 | Household Refrigerator and Home Freezer Mfg   | 51              | 0.1              | 5               | 11                       | 19                        | 4                         | -                  | 8                  | 4          | -     |
| 335224 | Household Laundry Equipment Mfg   | 17              | -                | 2               | 5                        | 5                         | 2                         | 1                  | 2                  | -          | -     |
| 335228 | Other Major Household Appliances Mfg  | 15              | -                | 3               | 2                        | 8                         | -                         | -                  | 2                  | -          | -     |
| 335311 | Power, Distribution, and Specialty Transformer Mfg  | 192             | 0.3              | 30              | 34                       | 73                        | 9                         | 3                  | 26                 | 6          | 11    |
| 335312 | Motor and Generator Mfg   | 511             | 0.9              | 73              | 120                      | 182                       | 30                        | 9                  | 47                 | 28         | 22    |
| 335313 | Switchgear and Switchboard Apparatus Mfg  | 241             | 0.4              | 39              | 56                       | 83                        | 15                        | 5                  | 19                 | 15         | 9     |
| 335314 | Relay and Industrial Control Mfg  | 345             | 0.6              | 54              | 71                       | 126                       | 20                        | 10                 | 40                 | 15         | 9     |
| 335911 | Storage Battery Mfg   | 52              | 0.1              | 10              | 7                        | 22                        | 3                         | 3                  | 5                  | 1          | 1     |

| NAICS  | BUSINESS & INDUSTRY  | TOTAL QUALIFIED | PERCENT OF TOTAL | Corporate Mgmt. | Manufacturing Production | Manufacturing Engineering | Quality Assurance/Control | Factory Automation | Product Design/R&D | Purchasing   | Other        |
|--------|--|-----------------|------------------|-----------------|--------------------------|---------------------------|---------------------------|--------------------|--------------------|--------------|--------------|
| 335929 | Other Communication and Energy Wire Mfg _____  | 75              | 0.1              | 19              | 15                       | 13                        | 7                         | 1                  | 10                 | 2            | 8            |
| 335931 | Current-Carrying Wiring Device Mfg _____   | 194             | 0.3              | 26              | 42                       | 68                        | 13                        | 1                  | 25                 | 13           | 6            |
| 335932 | Noncurrent-Carrying Wiring Device Mfg _____  | 100             | 0.2              | 11              | 20                       | 39                        | 5                         | 4                  | 12                 | 6            | 3            |
| 335991 | Carbon and Graphite Product Mfg _____  | 65              | 0.1              | 18              | 17                       | 13                        | 2                         | -                  | 6                  | 6            | 3            |
| 335999 | All Other Miscellaneous Electrical Equipment and Component Mfg _____                         | 177             | 0.3              | 29              | 38                       | 67                        | 7                         | 3                  | 27                 | 4            | 2            |
|        | Sub-Total NAICS 335  | 2,568           | 4.4              | 419             | 551                      | 894                       | 143                       | 44                 | 302                | 126          | 89           |
| 336    | TRANSPORTATION EQUIPMENT MANUFACTURING   |                 |                  |                 |                          |                           |                           |                    |                    |              |              |
| 336111 | Automobile Mfg _____   | 490             | 0.8              | 77              | 115                      | 179                       | 35                        | 13                 | 42                 | 19           | 10           |
| 336112 | Light Truck and Utility Vehicle Mfg _____  | 7               | -                | 3               | 2                        | -                         | -                         | -                  | 2                  | -            | -            |
| 33612  | Heavy Duty Truck Mfg _____   | 66              | 0.1              | 11              | 19                       | 21                        | 2                         | 2                  | 8                  | 3            | -            |
| 336211 | Motor Vehicle Body Mfg _____   | 2,222           | 3.7              | 355             | 515                      | 790                       | 185                       | 29                 | 205                | 103          | 40           |
| 336212 | Truck Trailer Mfg _____  | 218             | 0.4              | 42              | 56                       | 66                        | 10                        | 6                  | 19                 | 13           | 6            |
| 336213 | Motor Home Mfg _____   | 53              | 0.1              | 18              | 10                       | 7                         | 3                         | -                  | 7                  | 5            | 3            |
| 336214 | Travel Trailer and Camper Mfg _____  | 88              | 0.1              | 32              | 23                       | 9                         | 5                         | -                  | 8                  | 6            | 5            |
| 336311 | Carburetor, Piston, Piston Ring, and Valve Mfg _____   | 148             | 0.2              | 15              | 36                       | 68                        | 12                        | 2                  | 8                  | 5            | 2            |
| 336312 | Gasoline Engine and Engine Parts Manufacturing _____   | 2               | -                | -               | 2                        | -                         | -                         | -                  | -                  | -            | -            |
| 336321 | Vehicular Lighting Equipment Mfg _____   | 82              | 0.1              | 20              | 10                       | 32                        | 7                         | 1                  | 8                  | 2            | 2            |
| 336322 | Other Motor Vehicle Electrical and Electronic Equipment Mfg _____                            | 176             | 0.3              | 16              | 45                       | 57                        | 17                        | 2                  | 27                 | 7            | 5            |
| 33633  | Motor Vehicle Steering and Suspension Components (except Spring) Mfg _____                   | 6               | -                | -               | 1                        | 3                         | 1                         | -                  | -                  | -            | 1            |
| 33634  | Motor Vehicle Brake System Mfg _____   | 34              | 0.1              | 7               | 9                        | 9                         | 6                         | -                  | 2                  | 1            | -            |
| 33635  | Motor Vehicle Transmission and Power Train Parts Mfg _____                                   | 32              | 0.1              | 7               | 7                        | 12                        | 3                         | -                  | 1                  | 2            | -            |
| 33636  | Motor Vehicle Seating and Interior Trim Mfg _____  | 297             | 0.5              | 71              | 71                       | 94                        | 19                        | 4                  | 21                 | 12           | 5            |
| 33637  | Motor Vehicle Metal Stamping _____   | 207             | 0.3              | 37              | 44                       | 62                        | 27                        | 4                  | 15                 | 11           | 7            |
| 336391 | Motor Vehicle Air-Conditioning Mfg _____   | 456             | 0.8              | 61              | 100                      | 177                       | 30                        | 5                  | 46                 | 19           | 18           |
| 336399 | All Other Motor Vehicle Parts Mfg _____  | 1,552           | 2.6              | 265             | 388                      | 521                       | 107                       | 19                 | 140                | 73           | 39           |
| 336411 | Aircraft Manufacturing _____   | 524             | 0.9              | 64              | 88                       | 202                       | 41                        | 11                 | 78                 | 27           | 13           |
| 336412 | Aircraft Engine and Engine Parts Mfg _____   | 575             | 1.0              | 67              | 123                      | 242                       | 58                        | 3                  | 48                 | 20           | 14           |
| 336413 | Other Aircraft Parts and Auxiliary Equipment Mfg _____                                       | 952             | 1.6              | 188             | 234                      | 302                       | 68                        | 14                 | 95                 | 30           | 21           |
| 336414 | Guided Missile and Space Vehicle Mfg _____   | 117             | 0.2              | 4               | 14                       | 58                        | 5                         | 4                  | 24                 | 3            | 5            |
| 336415 | Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Mfg _____         | 42              | 0.1              | 1               | 9                        | 16                        | 6                         | 1                  | 8                  | -            | 1            |
| 336419 | Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Mfg _____               | 96              | 0.2              | 12              | 21                       | 33                        | 8                         | 2                  | 15                 | 3            | 2            |
| 33651  | Railroad Rolling Stock Mfg _____   | 551             | 0.9              | 76              | 139                      | 196                       | 25                        | 5                  | 72                 | 21           | 17           |
| 336611 | Ship Building and Repairing _____  | 166             | 0.3              | 38              | 47                       | 36                        | 9                         | -                  | 18                 | 13           | 5            |
| 336612 | Boat Building _____  | 272             | 0.5              | 73              | 64                       | 65                        | 13                        | 3                  | 18                 | 20           | 16           |
| 336991 | Motorcycle, Bicycle, and Parts Mfg _____   | 170             | 0.3              | 36              | 36                       | 56                        | 11                        | 5                  | 18                 | 6            | 2            |
| 336992 | Military Armored Vehicle, Tank, and Tank Component Mfg _____                                 | 50              | 0.1              | 8               | 7                        | 24                        | 1                         | 3                  | 7                  | -            | -            |
| 336999 | All Other Transportation Equipment Mfg _____   | 37              | 0.1              | 6               | 7                        | 14                        | 1                         | 1                  | 6                  | 1            | 1            |
|        | Sub-Total NAICS 336  | 9,688           | 16.4             | 1,610           | 2,242                    | 3,351                     | 715                       | 139                | 966                | 425          | 240          |
| 337    | FURNITURE AND RELATED PRODUCT MANUFACTURING  |                 |                  |                 |                          |                           |                           |                    |                    |              |              |
| 33711  | Wood Kitchen Cabinet and Countertop Mfg _____  | 26              | -                | 6               | 9                        | 4                         | 2                         | -                  | 2                  | 1            | 2            |
| 337121 | Upholstered Household Furniture Manufacturing _____  | 5               | -                | 2               | 3                        | -                         | -                         | -                  | -                  | -            | -            |
| 337122 | Nonupholstered Wood Household Furniture Mfg _____  | 7               | -                | 1               | 3                        | 3                         | -                         | -                  | -                  | -            | -            |
| 337124 | Metal Household Furniture Mfg _____  | 7               | -                | 2               | 4                        | -                         | -                         | -                  | 1                  | -            | -            |
| 337125 | Household Furniture (except Wood and Metal) Mfg _____  | 10              | -                | 2               | 1                        | 7                         | -                         | -                  | -                  | -            | -            |
| 337127 | Institutional Furniture Mfg _____  | 46              | 0.1              | 10              | 7                        | 18                        | 3                         | 1                  | 5                  | 1            | 1            |
| 337211 | Wood Office Furniture Mfg _____  | 12              | -                | 3               | 3                        | 6                         | -                         | -                  | -                  | -            | -            |
| 337212 | Custom Architectural Woodwork and Millwork Mfg _____   | 6               | -                | 2               | 2                        | 1                         | -                         | -                  | 1                  | -            | -            |
| 337214 | Office Furniture (except Wood) Mfg _____   | 27              | -                | 2               | -                        | 15                        | 1                         | 2                  | 4                  | 1            | 2            |
| 337215 | Showcase, Partition, Shelving, and Locker Mfg _____  | 100             | 0.2              | 23              | 22                       | 32                        | 3                         | 3                  | 8                  | 4            | 5            |
| 33791  | Mattress Mfg _____   | 10              | -                | 4               | 1                        | 2                         | 1                         | -                  | 2                  | -            | -            |
| 33792  | Blind and Shade Mfg _____  | 7               | -                | -               | 2                        | 5                         | -                         | -                  | -                  | -            | -            |
|        | Sub-Total NAICS 337  | 263             | 0.3              | 55              | 56                       | 96                        | 10                        | 6                  | 23                 | 7            | 10           |
| 339    | MISCELLANEOUS MANUFACTURING  |                 |                  |                 |                          |                           |                           |                    |                    |              |              |
| 339111 | Laboratory Apparatus and Furniture Mfg _____   | 97              | 0.2              | 17              | 33                       | 28                        | 7                         | -                  | 8                  | 1            | 3            |
| 339112 | Surgical and Medical Instrument Mfg _____  | 1,415           | 2.4              | 243             | 298                      | 451                       | 95                        | 19                 | 215                | 45           | 49           |
| 339113 | Surgical Appliance and Supplies Mfg _____  | 1,132           | 1.9              | 295             | 240                      | 320                       | 75                        | 22                 | 93                 | 49           | 38           |
| 339114 | Dental Equipment and Supplies Mfg _____  | 118             | 0.2              | 21              | 27                       | 38                        | 6                         | 1                  | 15                 | 5            | 5            |
| 339115 | Ophthalmic Goods Mfg _____   | 55              | 0.1              | 14              | 10                       | 13                        | 7                         | -                  | 7                  | 2            | 2            |
| 339116 | Dental Laboratories _____  | 6               | -                | 1               | 2                        | -                         | 1                         | -                  | 1                  | -            | 1            |
| 339911 | Jewelry (except Costume) Mfg _____   | 33              | 0.1              | 9               | 8                        | 9                         | 2                         | 1                  | 2                  | -            | 2            |
| 339912 | Silverware and Hollowware Mfg _____  | 22              | -                | 4               | 6                        | 7                         | 1                         | 1                  | 1                  | 1            | 1            |
| 339913 | Jewelers' Material and Lapidary Work Mfg _____   | 6               | -                | 3               | 1                        | 1                         | -                         | -                  | -                  | -            | -            |
| 339914 | Costume Jewelry and Novelty Mfg _____  | 2               | -                | 1               | 1                        | -                         | -                         | -                  | -                  | -            | -            |
| 33992  | Sporting and Athletic Goods Mfg _____  | 120             | 0.2              | 19              | 25                       | 39                        | 4                         | 3                  | 23                 | 2            | 5            |
| 339932 | Game, Toy, and Children's Vehicle Mfg _____  | 7               | -                | 2               | 1                        | 1                         | -                         | -                  | 2                  | 1            | -            |
| 339941 | Pen and Mechanical Pencil Mfg _____  | 15              | -                | 3               | 2                        | 7                         | -                         | 1                  | 2                  | -            | -            |
| 339942 | Lead Pencil and Art Good Mfg _____   | 7               | -                | -               | 3                        | 2                         | 1                         | -                  | -                  | 1            | -            |
| 339943 | Marking Device Mfg _____   | 21              | -                | 9               | -                        | 5                         | -                         | -                  | 7                  | -            | -            |
| 339944 | Carbon Paper and Inked Ribbon Mfg _____  | 8               | -                | 2               | 2                        | 3                         | 1                         | -                  | -                  | -            | -            |
| 33995  | Sign Mfg _____   | 80              | 0.1              | 26              | 16                       | 22                        | -                         | 1                  | 9                  | 2            | 4            |
| 339991 | Gasket, Packing, and Sealing Device Mfg _____  | 157             | 0.3              | 23              | 41                       | 59                        | 16                        | 4                  | 9                  | 3            | 2            |
| 339992 | Musical Instrument Mfg _____   | 22              | -                | 6               | 5                        | 4                         | -                         | 2                  | 5                  | -            | -            |
| 339993 | Fastener, Button, Needle, and Pin Mfg _____  | 49              | 0.1              | 11              | 11                       | 17                        | 5                         | -                  | 2                  | 2            | 1            |
| 339994 | Broom, Brush, and Mop Mfg _____  | 20              | -                | 4               | 5                        | 6                         | 2                         | 1                  | 2                  | -            | -            |
| 339995 | Burial Casket Mfg _____  | 10              | -                | -               | 1                        | 7                         | 2                         | -                  | -                  | -            | -            |
| 339999 | All Other Miscellaneous Mfg _____  | 50              | 0.1              | 12              | 11                       | 17                        | 2                         | 1                  | 4                  | 2            | 1            |
|        | Sub-Total NAICS 339  | 3,452           | 5.7              | 725             | 749                      | 1,056                     | 228                       | 57                 | 407                | 116          | 114          |
|        | Sub-Total Metalworking Manufacturing   | 45,939          | 76.5             | 10,464          | 10,479                   | 14,049                    | 2,781                     | 633                | 4,446              | 1,778        | 1,309        |
|        | Other Manufacturing NAICS: 311-316; 321-327  | 1,874           | 3.1              | 454             | 422                      | 537                       | 112                       | 34                 | 175                | 89           | 51           |
|        | Total Manufacturing Industries   | 47,813          | 79.6             | 10,918          | 10,901                   | 14,586                    | 2,893                     | 667                | 4,621              | 1,867        | 1,360        |
| 42311  | Automobiles and Other Motor Vehicle Merchant Wholesalers _____                               | 32              | 0.1              | 7               | 4                        | 9                         | 3                         | 1                  | 5                  | 2            | 1            |
| 42351  | Metals Service Centers and Other Metal Merchant Wholesalers _____                            | 92              | 0.2              | 26              | 22                       | 17                        | 7                         | 2                  | 4                  | 10           | 4            |
| 42361  | Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Wholesalers _____ | 161             | 0.3              | 51              | 24                       | 48                        | 9                         | 3                  | 18                 | 6            | 2            |
|        | Other NAICS 423 (Merchant Wholesalers, Durable Goods)  | 922             | 1.5              | 313             | 150                      | 226                       | 49                        | 13                 | 91                 | 46           | 34           |
|        | Sub-Total NAICS 423  | 1,207           | 2.1              | 397             | 200                      | 300                       | 68                        | 19                 | 118                | 64           | 41           |
| 541    | Other Wholesale Trade NAICS: 424-425   | 676             | 1.1              | 189             | 108                      | 184                       | 43                        | 15                 | 69                 | 38           | 30           |
|        | Management and Engineering Services  | 1,377           | 2.3              | 323             | 190                      | 366                       | 66                        | 28                 | 319                | 37           | 48           |
|        | All Other  | 8,173           | 13.6             | 2,420           | 1,516                    | 2,116                     | 503                       | 113                | 935                | 358          | 212          |
|        | <b>TOTAL QUALIFIED CIRCULATION</b>   | <b>60,000</b>   | <b>100.0</b>     | <b>14,491</b>   | <b>13,061</b>            | <b>17,728</b>             | <b>3,614</b>              | <b>851</b>         | <b>6,147</b>       | <b>2,389</b> | <b>1,719</b> |

| 3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2007              |                  |               |         |                    |                |                 |              |
|--|------------------|---------------|---------|--------------------|----------------|-----------------|--------------|
| QUALIFICATION SOURCE   | Qualified Within |               |         | Qualified Non-Paid | Qualified Paid | Total Qualified | Percent      |
|  | 1 year           | 2 years       | 3 years |                    |                |                 |              |
| I. <b>TOTAL</b> - Personal direct request from the recipient: _____                                | <b>49,039</b>    | <b>10,961</b> | -       |                    |                | <b>60,000</b>   | <b>100.0</b> |
| a. Written _____   | 3,878            | 595           | -       |                    |                | 4,473           | 7.5          |
| b. Telecommunication _____   | 40,317           | 9,492         | -       |                    |                | 49,809          | 83.0         |
| c. Electronic _____  | 4,844            | 874           | -       |                    |                | 5,718           | 9.5          |
| II. <b>TOTAL</b> - Request from recipient's company: _____   | -                | -             | -       |                    |                | -               | -            |
| a. Written _____   | -                | -             | -       |                    |                | -               | -            |
| b. Telecommunication _____   | -                | -             | -       |                    |                | -               | -            |
| c. Electronic _____  | -                | -             | -       |                    |                | -               | -            |
| III. <b>TOTAL</b> - Membership Benefit: _____  | -                | -             | -       |                    |                | -               | -            |
| a. Individual _____  | -                | -             | -       |                    |                | -               | -            |
| b. Organizational _____  | -                | -             | -       |                    |                | -               | -            |
| IV. <b>TOTAL</b> - Communication from recipient or recipient's company (other than request): _____ | -                | -             | -       |                    |                | -               | -            |
| a. Written _____   | -                | -             | -       |                    |                | -               | -            |
| b. Telecommunication _____   | -                | -             | -       |                    |                | -               | -            |
| c. Electronic _____  | -                | -             | -       |                    |                | -               | -            |
| V. <b>TOTAL</b> - Sources other than above (listed alphabetically): _____                          | -                | -             | -       |                    |                | -               | -            |
| Association rosters and directories _____  | -                | -             | -       |                    |                | -               | -            |
| Business directories _____   | -                | -             | -       |                    |                | -               | -            |
| Independent field reports _____  | -                | -             | -       |                    |                | -               | -            |
| Licensees - National, State or Local Government _____  | -                | -             | -       |                    |                | -               | -            |
| Manufacturer's, distributor's and wholesaler's lists _____   | -                | -             | -       |                    |                | -               | -            |
| Other sources _____  | -                | -             | -       |                    |                | -               | -            |
| VI. <b>TOTAL</b> - Single Copy Sales: _____  | -                | -             | -       |                    |                | -               | -            |
| <b>TOTAL QUALIFIED CIRCULATION</b>   | <b>49,039</b>    | <b>10,961</b> | -       |                    |                | <b>60,000</b>   | <b>100.0</b> |
| <b>PERCENT</b>   | <b>81.7</b>      | <b>18.3</b>   | -       |                    |                | <b>100.0</b>    | -            |

| 3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2007 |                    |                |                 |              |
|--|--------------------|----------------|-----------------|--------------|
| MAILING ADDRESS  | Qualified Non-Paid | Qualified Paid | Total Qualified | Percent      |
| Individuals by name and title and/or function _____                              |                    |                | 60,000          | 100.0        |
| Individuals by name only _____   |                    |                | -               | -            |
| Titles or functions only _____   |                    |                | -               | -            |
| Company names only _____   |                    |                | -               | -            |
| Multi-Copy Same Addressee copies _____   |                    |                | -               | -            |
| Single Copy Sales _____  |                    |                | -               | -            |
| <b>TOTAL QUALIFIED CIRCULATION</b>   |                    |                | <b>60,000</b>   | <b>100.0</b> |

| 4. GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2007 |                    |                |                 |             |                                    |                    |                |                 |              |
|--|--------------------|----------------|-----------------|-------------|------------------------------------|--------------------|----------------|-----------------|--------------|
| State & Zip Code   | Qualified Non-Paid | Qualified Paid | Total Qualified | Percent     | State & Zip Code                   | Qualified Non-Paid | Qualified Paid | Total Qualified | Percent      |
| 039-049 Maine _____  |                    |                | 209             |             | 400-427 Kentucky _____             |                    |                | 975             |              |
| 030-038 New Hampshire _____  |                    |                | 454             |             | 370-385 Tennessee _____            |                    |                | 1,452           |              |
| 050-059 Vermont _____  |                    |                | 186             |             | 350-369 Alabama _____              |                    |                | 894             |              |
| 010-027 Massachusetts _____  |                    |                | 1,588           |             | 386-397 Mississippi _____          |                    |                | 424             |              |
| 028-029 Rhode Island _____   |                    |                | 224             |             | <b>EAST SO. CENTRAL</b>            |                    |                | <b>3,745</b>    | <b>6.2</b>   |
| 060-069 Connecticut _____  |                    |                | 1,355           |             | 716-729 Arkansas _____             |                    |                | 589             |              |
| <b>NEW ENGLAND</b>   |                    |                | <b>4,016</b>    | <b>6.7</b>  | 700-714 Louisiana _____            |                    |                | 362             |              |
| 100-149 New York _____   |                    |                | 2,764           |             | 730-749 Oklahoma _____             |                    |                | 767             |              |
| 070-089 New Jersey _____   |                    |                | 1,140           |             | 750-799 Texas _____                |                    |                | 3,138           |              |
| 150-196 Pennsylvania _____   |                    |                | 3,479           |             | <b>WEST SO. CENTRAL</b>            |                    |                | <b>4,856</b>    | <b>8.1</b>   |
| <b>MIDDLE ATLANTIC</b>   |                    |                | <b>7,383</b>    | <b>12.3</b> | 590-599 Montana _____              |                    |                | 70              |              |
| 430-459 Ohio _____   |                    |                | 4,945           |             | 832-838 Idaho _____                |                    |                | 172             |              |
| 460-479 Indiana _____  |                    |                | 2,690           |             | 820-831 Wyoming _____              |                    |                | 37              |              |
| 600-629 Illinois _____   |                    |                | 4,662           |             | 800-816 Colorado _____             |                    |                | 549             |              |
| 480-499 Michigan _____   |                    |                | 3,573           |             | 870-884 New Mexico _____           |                    |                | 155             |              |
| 530-549 Wisconsin _____  |                    |                | 3,226           |             | 850-865 Arizona _____              |                    |                | 651             |              |
| <b>EAST NO. CENTRAL</b>  |                    |                | <b>19,096</b>   | <b>31.8</b> | 840-847 Utah _____                 |                    |                | 458             |              |
| 550-567 Minnesota _____  |                    |                | 1,997           |             | 889-898 Nevada _____               |                    |                | 118             |              |
| 500-528 Iowa _____   |                    |                | 1,153           |             | <b>MOUNTAIN</b>                    |                    |                | <b>2,210</b>    | <b>3.7</b>   |
| 630-658 Missouri _____   |                    |                | 1,476           |             | 995-999 Alaska _____               |                    |                | 10              |              |
| 580-588 North Dakota _____   |                    |                | 176             |             | 980-994 Washington _____           |                    |                | 694             |              |
| 570-577 South Dakota _____   |                    |                | 237             |             | 970-979 Oregon _____               |                    |                | 520             |              |
| 680-693 Nebraska _____   |                    |                | 554             |             | 900-961 California _____           |                    |                | 4,078           |              |
| 660-679 Kansas _____   |                    |                | 821             |             | 967-968 Hawaii _____               |                    |                | 10              |              |
| <b>WEST NO. CENTRAL</b>  |                    |                | <b>6,414</b>    | <b>10.7</b> | <b>PACIFIC</b>                     |                    |                | <b>5,312</b>    | <b>8.9</b>   |
| 197-199 Delaware _____   |                    |                | 102             |             | <b>UNITED STATES</b>               |                    |                | <b>59,949</b>   | <b>99.9</b>  |
| 206-219 Maryland _____   |                    |                | 551             |             | 969 & 004-009                      |                    |                |                 |              |
| 200-205 Washington, DC _____   |                    |                | 20              |             | U.S. Territories _____             |                    |                | 49              |              |
| 220-246 Virginia _____   |                    |                | 946             |             | Canada _____                       |                    |                | -               |              |
| 247-268 West Virginia _____  |                    |                | 183             |             | Mexico _____                       |                    |                | -               |              |
| 270-289 North Carolina _____   |                    |                | 1,611           |             | Other International _____          |                    |                | -               |              |
| 290-299 South Carolina _____   |                    |                | 922             |             | APO/FPO _____                      |                    |                | 2               |              |
| 300-319 Georgia _____  |                    |                | 1,030           |             | <b>TOTAL QUALIFIED CIRCULATION</b> |                    |                | <b>60,000</b>   | <b>100.0</b> |
| 320-349 Florida _____  |                    |                | 1,552           |             |                                    |                    |                |                 |              |
| <b>SOUTH ATLANTIC</b>  |                    |                | <b>6,917</b>    | <b>11.5</b> |                                    |                    |                |                 |              |

| 9. FIVE CALENDAR YEAR ANALYSIS: AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED CIRCULATION STATEMENTS |              |              |              |              |                   |
|---|--------------|--------------|--------------|--------------|-------------------|
|   | Audited Data | Audited Data | Audited Data | Audited Data | Circulation Claim |
|   | 2003         | 2004         | 2005         | 2006         | *2007             |
| Total Audit Average Qualified:  | 78,375       | 70,000       | 70,000       | 66,667       | 60,000            |
| Qualified Non-Paid: _____   | 78,375       | 70,000       | 70,000       | 66,667       | 60,000            |
| Qualified Paid: _____   | -            | -            | -            | -            | -                 |
| Post Expire Copies included in Paid Circulation: _____  | **NC         | **NC         | **NC         | **NC         | **NC              |
| Average Annual Order Price: _   | **NC         | **NC         | **NC         | **NC         | **NC              |

\*2007 data is unaudited.  
 \*\*NC = None Claimed.

| 10. PAID CIRCULATION DATA |  |
|---------------------------|--|
| **NC                      | Average Annual Subscription Order Price for the Period Required (includes promotional incentive value, if any) |
| 12                        | Issues Per Year  |
| **NC                      | All Single Copy Sales Prices for the Period  |
| **NC                      | Renewal Rate of Paid Subscribers (Optional)  |

**11. ADDITIONAL DATA**

PARAGRAPHS 5 THROUGH 8 ARE NOT REQUIRED.

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Company \_\_\_\_\_ Bldg.# \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Business Phone (\_\_\_\_\_) \_\_\_\_\_

Fax (\_\_\_\_\_) \_\_\_\_\_

**3 Fill in below only if your company requires home delivery:** (company address must be filled in at left)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**4 Please indicate all processes performed:** (check all that apply)

- 1 Milling
- 2 Turning
- 3 Grinding/Abrasive Machining
- 4 Drilling
- 5 Boring
- 6 Tapping
- 7 Punching/Bending
- 8 Other Metalforming
- 9 Sawing
- 10 Assembly
- 11 Welding
- 12 Inspection and Measurement
- 13 Deburring
- 14 Laser Cutting
- 15 Waterjet Cutting
- 16 Marking/Engraving
- 17 None of the above

**5 What is the primary end product manufactured (or service performed) at this location?** (be specific)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**6 Number of employees at this location:** (check one)

- a 1-10  d 101-250
- b 11-50  e 251-500
- c 51-100  f over 500

**7 What is your principal functional responsibility?** (check one)

- 1 Corporate Management  5 Factory Automation
- 2 Manufacturing Production  6 Product Design, R&D
- 3 Manufacturing Engineering  7 Purchasing
- 4 Quality Assurance/Control  8 Other \_\_\_\_\_

**8 What is your principal responsibility or job title?**

- 1 Corporate/General Management  3 Department Staff
- 2 Department Management  4 Other \_\_\_\_\_

**9 Which of the following magazines do you subscribe to?**

- 1 American Machinist
- 2 Automotive Design & Production
- 3 Manufacturing Engineering
- 4 Modern Machine Shop

**PUBLISHER'S AFFIDAVIT**

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

Vern Nelson, Group Publisher

David Welscher, Circulation Manager

(At least one of the above signatures must be that of an officer of the publishing company or its authorized representative.)

**IMPORTANT NOTE:**

This unaudited circulation statement has been checked against the previous audit report. It will be included in the annual audit made by BPAWorldwide.

Date signed February 8, 2008

State Florida

County Sarasota

Received by BPA Worldwide February 8, 2008

Type PD

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