

**16** DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

**General** - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**Valuation of Materials Consumed** - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amount actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

**Contract Work** - Include all materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **15**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

**Resales** - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

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 DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
<b>1</b>	Fabricated metal products, including forgings . . . . .	332000 05 8			
<b>2</b>	Castings (rough and semifinished) . . . . .	331000 35 6			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
<b>3</b>	Steel . . . . .	331200 01 4			
<b>4</b>	Nonferrous shapes and forms (including copper and copper-base alloy and aluminum and aluminum-base) . . . . .	331000 AJ 9			
	Chemicals and allied products				
<b>5</b>	Plastics materials and resins . . . . .	325211 01 9			
<b>6</b>	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products	325510 03 0			
<b>7</b>	Foundry chemicals, metal treating compounds, and plating compounds .	325998 01 1			
<b>8</b>	Other chemicals and allied products . . . . .	325000 67 7			

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**16** DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
<b>9</b>	Grinding wheels and other abrasive products, excluding industrial diamonds	327910 01 4			
<b>10</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) 7	009700 99 8			
<b>11</b>	<b>TOTAL</b> (Should equal total reported in 16, line A1) . . . . .	771000 00 7			

**17-21** Not Applicable.

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

**General** - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of 22. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**Valuation of Products** - Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

**Contract Work** - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census code 000930 0000 8.

**Resales** - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 000999 8900 6, "Resales."

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>1</b>	Etching, engraving, coating, and allied services				
	Electronic metal engraving (excluding metal nameplates) . . . . .	332812 0101 3			
<b>2</b>	Photochemical metal etching (including machining but excluding metal nameplates) . . . . .	332812 0106 2			
<b>3</b>	Etching and engraving metal nameplates . . . . .	332812 0111 2			

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**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Etching, engraving, coating, and allied services - Continued				
<b>4</b>	Engraving and etching on nonprecious (except pewter) metal hollowware, including engraving and etching on precious metal or pewter plated to a nonprecious (except pewter) metal base, excluding engraving and etching on nonprecious (except pewter) metal clad or plated to precious metal or pewter . . . . .	339912 5186 0			
<b>5</b>	Engraving and etching on nonprecious (except pewter) metal flatware and cutlery, including engraving and etching on precious metal or pewter plated to a nonprecious (except pewter) metal base, excluding engraving and etching on nonprecious (except pewter) metal clad or plated to precious metal or pewter . . . . .	339912 5196 9			
<b>6</b>	Other engraving and etching, except jewelry and silverware . . . . .	332812 0116 1			
<b>7</b>	Galvanizing and other hot dip coating of fabricated articles . . . . .	332812 0221 9			
<b>8</b>	Inorganic coatings (including porcelain) . . . . .	332812 0146 8			
	Organic coatings, enamels, and lacquers (including alkyds, vinyls, acrylics, and plastisols)				
<b>9</b>	Coil coating . . . . .	332812 0326 6			
<b>10</b>	Liquid spray coating (including electrostatic) . . . . .	332812 0431 4			
<b>11</b>	Powder coating (including electrostatic and fluidized bed) . . . . .	332812 0536 0			
<b>12</b>	All other (including curtain coating and wash coating) . . . . .	332812 0141 9			
<b>13</b>	Flocking metals and metal products for the trade . . . . .	339999 K141 6			
<b>14</b>	Electroplating, plating, polishing, anodizing, and coloring . . . . .	332813 0101 1			
<b>15</b>	Laminating steel for the trade . . . . .	332813 0102 9			
<b>16</b>	Heat treating of metal (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.) . . . . .	332811 0100 7			
	Printing on metal				
<b>17</b>	Screen printing . . . . .	323113 1451 5			
<b>18</b>	Lithographic (offset) printing . . . . .	323110 B151 6			
<b>19</b>	Receipts for machine shop job work and job order repairs . . . . .	332710 0100 1			

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
	0734	0730	0731			
<b>20</b>	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>	18				
<b>21</b>		26				
<b>22</b>		34				
<b>23</b>		42				
<b>24</b>		59				
<b>25</b>		67				
<b>26</b>	Contract work - Receipts for work done for others on their materials ( <i>Specify products worked on and kind of work.</i> ) ↴	000930 0000 8				
<b>27</b>	Miscellaneous receipts Sales of scrap and refuse . . . . .	000999 8013 8				
<b>28</b>	Other miscellaneous receipts (including receipts for repair work, etc.) . .	000999 8098 9				
<b>29</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.) . . . . .	000999 8900 6				
<b>30</b>	<b>TOTAL</b> ( <i>Should equal 4, line A</i> ) . . . . .	770000 0000 8				

**23-25** Not Applicable.



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**26** SPECIAL INQUIRIES

**SELECTED METALWORKING AND RELATED OPERATIONS**

*(Report the type(s) of operation(s) performed below and the approximate number of production workers on all shifts usually engaged in the specified operation.)*

		Mark "X" if None	Number of production workers (on all shifts) usually employed when operated (estimate if necessary)
1.	Electroplating and other plating . . . . .	8401 <input type="checkbox"/>	
2.	Galvanizing and other hot dip coating of fabricated articles . . . . .	8402 <input type="checkbox"/>	
3.	Heat treating of metals for production purposes . . . . .	8403 <input type="checkbox"/>	
4.	Precision turned products (on screw machines, turning centers, and CNC equipment) . . . . .	8404 <input type="checkbox"/>	
5.	Machine shop . . . . .	8405 <input type="checkbox"/>	
6.	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling . . . . .	8406 <input type="checkbox"/>	
7.	Pattern shop (foundry patterns only - metal, wood, etc.) . . . . .	8407 <input type="checkbox"/>	
8.	Sheet metal work, aluminum or steel . . . . .	8408 <input type="checkbox"/>	
9.	Stamping and blanking of metals . . . . .	8409 <input type="checkbox"/>	
10.	Painting, lacquering, and enameling on metals . . . . .	8410 <input type="checkbox"/>	
11.	Welding of steel plate for manufacturing production . . . . .	8411 <input type="checkbox"/>	
12.	Welding repair shop . . . . .	8412 <input type="checkbox"/>	

**27** Not Applicable.



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**29 OPERATIONAL STATUS**

Activity that best describes this establishment's status at the end of 2002  
(Mark "X" only ONE box.)

0011 <input type="checkbox"/> In operation	0013 <input type="checkbox"/> Temporarily or seasonally inactive							
0012 <input type="checkbox"/> Under construction, development, or exploration	0014 <input type="checkbox"/> Ceased operation - Give date at right →	0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
Month	Day	Year						
	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→						

0060 Name of new owner or operator	0061 Employer Identification Number		
	Enter EIN of new owner (9 digits) →		-
0062 Mailing address (number and street, P.O. Box, etc.)			
0063 City, town, village, etc.	0064 State	0065 ZIP Code	
			-

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

**30 CERTIFICATION** - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?								
0078 <input type="checkbox"/> Yes	0079 <input type="checkbox"/> No - Enter time period covered →	FROM 0070	Month	Year	TO 0071	Month	Year	
0072 Name of person to contact regarding this report				0073 Title				
Telephone 0074		Area code	Number		Extension	Fax 0075		
			-			-		
0076 Internet e-mail address					Date completed 0069	Month	Day	Year

**Thank you for completing your 2002 Economic Census form.**  
**PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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