

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997**

**INSTRUCTIONS**

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. 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 which are not listed, describe and report them in the "Cost of all other materials . . ." line 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 970099 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

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 amounts 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.

**3. Contract Work** – Include as 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 item 10, line e, 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.

**4. 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 item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

**2. 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.

Line No.	Materials, parts, and supplies  <b>(A)</b>	Census material code  <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) <b>(E)</b>		
			574 Millions	Thou-sands	Dollars
<b>1</b>	Fabricated metal products, including forgings	340004 1	\$		
<b>2</b>	Castings (rough and semifinished)	330091 0			
<b>3</b>	SHAPES AND FORMS (Except castings, forgings, and fabricated metal products)				
	Steel	331002 6			
<b>4</b>	Nonferrous shapes and forms	336002 1			
<b>5</b>	CHEMICALS AND ALLIED PRODUCTS				
	Plastics materials and resins	282102 3			
<b>6</b>	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products	285101 2			
<b>7</b>	Foundry chemicals, metal treating compounds, and plating compounds	289900 3			
<b>8</b>	Other chemicals and allied products	280097 7			
<b>9</b>	Grinding wheels and other abrasive products (except industrial diamonds)	329101 0			
<b>10</b>	Cost of all other materials and components, parts, containers, and supplies consumed . . . . . <i>Describe the three principal materials, etc., included in this value.</i>	970099 8			
<b>11</b>	<b>TOTAL</b> Sum of lines 1–10 should equal item 10, line a		\$		

CONTINUE WITH ITEM 18A ON PAGE 6

<b>Item 18A. SELECTED METALWORKING AND RELATED OPERATIONS PERFORMED IN THIS ESTABLISHMENT DURING 1997</b>		Census code	Mark (X) appropriate box	
			Yes	No
<b>Were any of the operations listed below performed in this establishment in 1997?</b> .....		591 208	592 1 <input type="checkbox"/>	593 2 <input type="checkbox"/>

*If "Yes," indicate in column (C) by marking appropriately, which of the specified operations were performed in this establishment during 1997. Where "Yes" is marked, show in column (D) the approximate number of production workers on all shifts usually engaged in the specified operation.*

Line No.	Operation  (A)	Census Code	Was this operation performed in this establishment during 1997?		Number of production workers (on all shifts) usually employed when operated (Estimate if necessary)  (D)
		591 (B)	592 Yes	593 No	
1	Electroplating and other plating	018	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
2	Galvanizing and other hot dip coating of fabricated articles	026	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
3	Heat treating of metals for production purposes	034	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
4	Precision turned products (on screw machines, turning centers, CNC equipment)	042	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
5	Machine shop	059	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
6	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling	067	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
7	Pattern shop (foundry patterns only – metal, wood, etc.)	075	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
8	Sheet metal work, aluminum or steel	083	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
9	Stamping and blanking of metals	091	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
10	Painting, lacquering, and enameling on metals	109	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
11	Welding of steel plate for manufacturing production	117	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
12	Welding repair shop	125	1 <input type="checkbox"/>	2 <input type="checkbox"/>	

**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

**1. 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 item 18B. 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.

**2. 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.

**3. 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 product code 93000 00 8.

**4. 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 product code 99989 00 6, "Resales."

Line No.	Products and services  (A)	Census product code	Products shipped and other receipts		
		581 (B)	Value, f.o.b. plant (E)		
			584 Millions	Thou- sands	Dollars
1	Electroplating, plating, polishing, anodizing, and coloring	34710 00 4	\$		
2	Heat treating of metal (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	33980 00 4			
3	<b>Etching, Engraving, Coating, and Allied Services (34790)</b> (Continued on next page)	34790 10 5			
4	Electronic engraving (excluding metal nameplates)	34790 11 3			
5	Photo chemical etching (including machining; excluding metal nameplates)	34790 13 9			
5	Etching and engraving nameplates	34790 13 9			

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**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued**

Line No.	Products and services  <b>(A)</b>		Census product code  <b>(B)</b>	Products shipped and other receipts			
				Value, f.o.b. plant <b>(E)</b>			
				584 Millions	Thousands	Dollars	
6	<b>Etching, Engraving, Coating, and Allied Services – Continued (34790)</b>	Engraving and etching on precious metal jewelry	34790 22 0	\$			
7		Engraving and etching on silver and plated ware	34790 24 6				
8		Engraving and etching on costume jewelry	34790 26 1				
9		Other engraving and etching, except jewelry	34790 28 7				
10		Galvanizing and other hot dip coating of fabricated articles	34790 31 1				
11		ORGANIC COATINGS, ENAMELS, AND LACQUERS (Including alkyds, vinyls, acrylics, and plastisols)	Coil coating	34790 61 8			
12			Liquid spray coating (including electrostatic coating)	34790 73 3			
13			Powder coating (including electrostatic and fluidized bed)	34790 75 8			
14			All other (including curtain coating and wash coating)	34790 81 6			
15		Inorganic coatings (including porcelain)	34790 77 4				
16		PRINTING ON METAL	Screen printed	27598 27 5			
17			Offset (lithographic)	27526 77 1			
18		ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18			
19				26			
20				34			
21	42						
22	59						
23	CONTRACT WORK			Receipts for work done for others on their own materials other than those services listed on lines 1–17 above . . . . . <i>Describe below products worked on and kind of work.</i>	93000 00 8		
24	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8				
25		Other miscellaneous receipts (including receipts for repair work, etc.)	99980 98 9				
26	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6				
27	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1–26, column (E)		77000 00 8	\$			

Items 19–21 – Not applicable to this report

**CONTINUE WITH ITEM 22 ON PAGE 8**

**REMARKS** – Please use this space for any explanations that may be essential in understanding your reported data.

**Item 22. CERTIFICATION** – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report ( <i>Print or type</i> )				Telephone	Area code	Number	Extension	
667	1			2				
Name of company				Address ( <i>Number and street, city, State, ZIP Code</i> )				
<b>Period covered</b>	FROM: Month		Day	Year	TO: Month		Day	Year
	666	1			2			
Signature of authorized person				Title			Date	