

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company, the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the products should be reported as a product shipment and a corresponding interplant transfer.

Lines 9 through 13 - Include scrap generated in other establishments of your company and transferred to this plant, as well as scrap purchased from outside sources. Exclude home scrap.

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
1	Mining and all other nonferrous metal ores and concentrates	212200 15 8						
2	Shapes and forms (excluding castings, forgings, and fabricated metal products) Aluminum and aluminum-base alloy shapes and forms	331000 39 8						
3	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	331411 03 3	short tons					
4	Precious metal and precious metal alloy (including gold, silver, and platinum)	331419 03 6						
5	Lead and lead-base alloy	331419 23 4						
6	Tin and tin-base alloy	331419 39 0						
7	Zinc and zinc-base alloy refinery shapes	331491 05 0	short tons					
8	All other nonferrous shapes and forms	331419 29 1						

CONTINUE WITH **16** ON PAGE 9

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

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
9	Scrap							
	Copper and copper-base alloy	001900 24 0						
10	Lead and lead-base alloy	001900 25 7						
11	Zinc and zinc-base alloy (including drosses and skimmings)	001900 26 5						
12	Precious metal and precious metal alloy	001900 51 3						
13	All other nonferrous metal and metal-base alloy scrap	001900 52 1						
14	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99 8						
15	TOTAL (Should equal total reported in 16, line A1)	771000 00 7						

17 Not Applicable.

18 TYPE OF OPERATION

(Mark "X" the ONE box that best describes the operation performed at this establishment during 2002.)

Operations performed in this establishment during 2002

- 0620 392 Smelting or refining copper from ore or smelter products
- 394 Smelting or refining lead from ore or smelter products
- 396 Smelting or refining zinc from ore
- 398 Aluminum reduction
- 400 Smelting or refining other nonferrous metals from ore or smelter products
- 402 Smelting or refining nonferrous metals from scrap or dross
- 406 Producing aluminum ingots or billets in an aluminum rolling mill
- 530 Performing other operations (Specify kind.) ↴

0621

19-21 Not Applicable.

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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 2. 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.

Quantity Produced For All Purposes - Report the total quantity of each product produced. If this establishment performs both smelting and refining operations, production should be reported separately for each stage. Also, within each stage, production should be reported only in the form in which the metal passes from the smelter stage to the refined stage, or is shipped from this plant, or is consumed in this plant in the manufacture of products beyond the refined metal stage. Do not report production of intermediate stages through which the metal may be processed.

Products Shipped and Other Receipts - Report the quantity and value of shipments of all products made in this establishment during 2002. For value of shipments, report the net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes. Include products shipped on consignment, whether or not sold at the end of the year. Exclude shipments of materials to your toll processor. Include products made for you on a toll basis whether shipped direct from the toll processor or from this plant. Exclude shipments of products made in this establishment on a toll basis for others. Report the amount you received for "commission or toll processing" on line 31, Census code 000930 0085 9.

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 0014 9.

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company; the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the product should be reported as a product shipment and a corresponding interplant transfer.

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	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
		0734		0733	0732	0731			
1	Metal powders, paste, and flakes Secondary nickel-cobalt-base superalloy metal powders, paste, and flakes	331492 1101 4	↑ 1000 lb ↓						
2	Tungsten and tungsten-base alloy	331492 1206 1							
3	Molybdenum, titanium and tantalum powders, paste, and flakes	331492 1419 0							
4	Precious metals and precious-metal-base alloys (gold, silver, platinum, etc.)	331492 1426 5	troy ounces						
5	Other nonferrous metal powders paste, and flakes (<i>Specify kind.</i>) ↘	331492 1431 5							

CONTINUE WITH 22 ON PAGE 11

33118100

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
6	Lead Unalloyed (pig, ingots, shot, etc.)	331492 3101 2						
7	Secondary lead- and tin-base alloy antimonial lead and babbitt metal	331492 3206 9						
8	Secondary lead- and tin-base alloy solder	331492 3216 8	↑ short tons ↓					
9	Other secondary lead- and tin-base alloys, including type metal (Specify kind.) ↴	331492 3221 8						
10	Zinc Unalloyed (including all ASTM specification zinc)	331492 7101 8						
11	Alloyed	331492 7206 5	short tons					
12	Precious metals and precious metal alloys Gold	331492 9101 6						
13	Silver	331492 9206 3						
14	Platinum (including platinum-group metals)	331492 9211 3						
15	Nonferrous superalloys Nonferrous superalloys (these superior heat and creep resistant alloys should be excluded from alloy categories listed elsewhere.)	331492 A101 4						
16	Tin, unalloyed	331492 A111 3						
17	Other nonferrous metals and their alloys, including nickel, cadmium, antimony, cobalt, titanium sponge, etc. (Specify kind.) ↴	331492 A116 2						
18	Other nonferrous products made in electric and other furnaces (gross weight) (Specify kind.) ↴	331492 A311 9						

CONTINUE WITH 22 ON PAGE 12

33118118

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued								
Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
19	Inorganic chemicals, nsk (Specify kind.) ↴	325188 WYWW 8						
20	Crushed and ground uncalcined gypsum (including gypsite and anhydrite)	327992 0341 2						
21	Precious metal mill shapes, nsk (Specify metal used.) ↴	331491 9YWW 4						
22	Other nonferrous wire (except copper, aluminum, nickel, and precious metals), including insulated wire and cable	331491 C218 6						
23	Powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts, nsk (Specify kind.) ↴	332117 0YWW 1						
24	Primary nonferrous nails, brads, tacks, and staples	332618 2101 2						
25	All other products made in this establishment - 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.	18						
26		26						
27		34						
28		42						
29		59						
30		67						

CONTINUE WITH 22 ON PAGE 13

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

Line No.	Products and services	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
31	Contract work Receipts for smelting and refining materials owned by others on a toll basis (<i>Report the quantity of production of these products in the "Quantity produced for all purposes" column, where appropriate, on lines 1-30.</i>)	000930 0085 9						
32	All other receipts for work done for others on their own materials. (<i>Specify products worked on and kind of work.</i>) ↴	000930 0014 9						
33	Miscellaneous receipts Sales of scrap and refuse	000999 8013 8						
34	Other miscellaneous receipts (including receipts for repair work, etc.)	000999 8098 9						
35	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						
36	TOTAL (<i>Should equal 4, line A</i>) . . .	770000 0000 8						

23-27 Not Applicable.



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28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
1. Product design/engineering			
2. Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
a. Bundling or kitting (combining multiple items into a prepackaged product)			
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
b. Pick and pack (taking goods from inventory and packaging them to fill orders).			
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
c. Warehousing of finished products			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
d. Breaking bulk (reducing large shipments into smaller portions for customers)			
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)			
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
f. Long distance delivery (beyond local areas and commercial zones)			
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>
g. Processing of returned merchandise			

B. During 2002 did this establishment:

- | | | |
|--|-----------------------------------|----------------------------------|
| 1. Manage inventory owned by this establishment AND held at this location? | 0936 <input type="checkbox"/> Yes | 0937 <input type="checkbox"/> No |
| 2. Manage inventory owned by this establishment BUT held at a customer's location? | 0956 <input type="checkbox"/> Yes | 0957 <input type="checkbox"/> No |
| 3. Manage inventory owned by another company BUT held at this location? | 0976 <input type="checkbox"/> Yes | 0977 <input type="checkbox"/> No |
| 4. Manage inventory owned by another company AND held somewhere other than at this location? | 0994 <input type="checkbox"/> Yes | 0995 <input type="checkbox"/> No |
| 5. Contract with another firm for any of your production using materials owned by this location? | 8041 <input type="checkbox"/> Yes | 8042 <input type="checkbox"/> No |
| 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? | 8044 <input type="checkbox"/> Yes | 8045 <input type="checkbox"/> No |
| 7. Manufacture products for a government to their specifications? | 8047 <input type="checkbox"/> Yes | 8048 <input type="checkbox"/> No |
| 8. Manufacture products for another business to their specifications? | 8016 <input type="checkbox"/> Yes | 8017 <input type="checkbox"/> No |
| 9. Manufacture products for a final retail customer to their specifications? | 8060 <input type="checkbox"/> Yes | 8062 <input type="checkbox"/> No |



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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 In operation
- 0012 Under construction, development, or exploration
- 0013 Temporarily or seasonally inactive
- 0014 Ceased operation - Give date at right →
- 0015 Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

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 Yes
- 0079 No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report		0073 Title			

Telephone	Area code	Number		Extension	Fax	Area code	Number	
0074		-			0075		-	

0076 Internet e-mail address			Date completed	Month	Day	Year
			0069			

Thank you for completing your 2002 Economic Census form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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