

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

INFORMATION COPY
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		
1	Fabricated metal products (excluding forgings)				
	Bolts, nuts, screws, rivets, washers, and screw machine products	332722 03 2			
2	Other fabricated metal products	332000 95 9			
3	Forgings	332100 01 5			
4	Castings (rough and semifinished)	331000 35 6			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
5	Steel	331200 01 4			
	Aluminum and aluminum-base alloy				
6	Sheet, plate, foil, and welded tubing	331315 01 0			
7	All other aluminum and aluminum-base alloy (excluding sheet, plate, foil, and welded tubing)	331000 55 4			
8	Copper and copper-base alloy	331421 11 5			
9	All other nonferrous shapes and forms	331000 83 6			
10	Magnet wire	331000 97 6			

CONTINUE WITH **16** ON PAGE 9

CONTINUE ON PAGE 9

33504085

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		
11	Insulated wire and cable (excluding magnet wire)	331000 A1 7			
12	Refined petroleum products (transformer oils, lubricating oils and greases, etc.)	324100 03 1			
13	Porcelain, steatite, and other ceramic electrical products	327113 01 5			
14	Paper and paperboard products (excluding paperboard boxes, containers, and corrugated paperboard)	322100 15 7			
15	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	325510 03 0			
16	Electrical industrial capacitors, resistors, rheostats, and coil windings	335000 07 1			
17	Current-carrying wiring devices	335931 01 0			
18	Cost of all other materials and components, parts, containers, and supplies consumed (<i>Specify the principal materials, etc., included in this value.</i>) ↗	009700 99 8			
19	TOTAL (<i>Should equal total reported in 16, line A1</i>)	771000 00 7			

17-21 Not Applicable.



33504093

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.

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."

Detailed Data Reported Elsewhere - Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

NOTE: Only totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
1	Power and distribution transformers (except parts) Distribution transformers, liquid-immersed, all voltages and dry-type electric utility distribution transformers (excluding general purpose)				
	Overhead type, single-phase, liquid-immersed; 500 kVA and smaller	335311 1101 2			
2	Compartmentalized pad-mounted, single-phase, liquid-immersed; 500 kVA and smaller	335311 1204 4			
3	Subsurface and subway types, single-phase, liquid-immersed; 500 kVA and smaller	335311 1307 5			
4	Three-phase transformers 500 kVA and smaller, liquid-immersed (all voltages) (including overhead type, compartmentalized pad-mounted, and subsurface and subway types)	335311 1311 7			
5	Network transformers, all ratings (excluding network protectors)	335311 1313 3			
6	Single-phase and three-phase, pad-mounted (dry) 500 kVA and smaller	335311 1316 6			

CONTINUE WITH 22 ON PAGE 11

33504101

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 *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Power and distribution transformers (except parts) - Continued				
7	Small power transformers, single- and three-phase, all voltages Compartmentalized pad-mounted and subsurface underground and conventional subway type transformers, self-cooled equivalent ratings of 501 kVA through 2,500 kVA, liquid-immersed	335311 1419 8			
8	Conventional transformers and autotransformers, with and without load-tap-changing, primary unit substation transformers and single circuit unit substations 501 kVA through 2,500 kVA, liquid-immersed	335311 1422 2			
9	Liquid-immersed conventional transformers and autotransformers, with and without load-tap-changing, primary unit substation transformers and single circuit unit substations 2,501 kVA through 10,000 kVA, liquid and nonliquid	335311 1425 5			
10	Dry-type small power transformers, self-cooled equivalent ratings of 501 kVA and above, single- and three-phase high voltage 601 volts and above; conventional transformers, primary unit substation transformers, and core and coil units	335311 1428 9			
11	Secondary unit substation transformers, liquid-immersed, all kVA ratings (based on self-cooled nameplate ratings); single- and three-phase, all high voltages, and low voltages below 1,000 volts; mineral oil and non/low flammability fluids	335311 1431 3			
12	Secondary unit substation transformers, dry-type, single- and three-phase, all kVA ratings, all high voltages, and low voltages below 1,000 volts; units sold with or without secondary switching equipment but with a flange or throat for connection to such equipment (for dry-type also include core and coil units for ultimate use in secondary unit substations)	335311 1434 7			
13	Large power transformers liquid-immersed, self-cooled equivalent ratings (based on self-cooled nameplate ratings), 10,001 kVA and larger, single and three-phase, all high and low voltages. Conventional transformers and autotransformers, with and without load-tap-changing primary unit substation transformers and regulating transformers 10,001 kVA, OA to 30,000 kVA, OA (50,000 kVA, top FOA) With load-tap-changing	335311 1537 7			
14	Without load-tap-changing	335311 1541 9			
15	30,001 kVA, OA (50,000 kVA, top FOA) to 100,000 kVA, OA (167,000 kVA, top FOA) With load-tap-changing	335311 1543 5			
16	Without load-tap-changing	335311 1546 8			
17	100,001 kVA, OA (167,001 kVA, top FOA) and larger With load-tap-changing	335311 1549 2			
18	Without load-tap-changing	335311 1552 6			

CONTINUE WITH 22 ON PAGE 12

33504119

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued					
Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
19	Specialty transformers (except fluorescent lamp ballast) Open core and coil units (excluding machine tool control transformers and all units end-bell enclosed) (250 VA and under)	335311 3101 0			
20	Machine tool control transformers	335311 3104 4			
21	Transformers for arc welders	335311 3107 7			
22	High intensity discharge lamp transformers, also known as ballasts . . .	335311 3115 0			
23	Instrument transformers Indoor and outdoor current transformers	335311 3109 3			
24	Indoor and outdoor voltage transformers	335311 3113 5			
25	All other specialty transformers (including luminous tube transformers and ignition transformers but excluding internal combustion engine ignition)	335311 3116 8			
26	Fluorescent lamp ballasts (Corresponds to value of shipments reported on CIR Form MQ335C, Fluorescent Lamp Ballasts, for 2002)*	335311 5100 0			
27	Commercial, institutional, and industrial general-purpose transformers, all voltages, single- and three-phase, excluding electric utility distribution transformers Single- and three-phase all-enclosed general-purpose and buck-boost transformers and open core and coil units not included on lines 19 and 20, 3 kVA and below, all voltages	335311 7101 6			
28	Single- and three-phase, 3.01 kVA through 15 kVA, all voltages	335311 7104 0			
29	Single- and three-phase, 15.01 kVA through 100 kVA, all voltages	335311 7107 3			
30	Single- and three-phase, 100.01 kVA and above, all voltages	335311 7111 5			
31	Other general-purpose transformers (including saturable core reactors and voltage regulating transformers, but excluding transmission and distribution voltage regulators)	335311 7113 1			
32	Power regulators, boosters, and other transformers (including parts and accessories for all transformers) Transmission and distribution voltage regulators, single- and three-phase (including induction voltage regulators, and step voltage regulators), and reactor and special-purpose transformers, liquid-immersed and dry-type, all voltages and kVAs, such as reactors, furnace transformers, rectifier transformers, locomotive transformers, grounding transformers, ground fault neutralizers, mobile transformers, mobile unit substation, and integral single-circuit unit substations	335311 9101 4			
33	Parts (including renewal and repair parts), subassemblies, and accessories for all transformers	335311 9104 8			
34	Resistance welder transformers	333992 7121 3			
35	Coils, transformers, reactors, and chokes for electronic circuitry (Corresponds to value of shipments reported on CIR Form MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 2002)*	334416 0100 3			

CONTINUE WITH 22 ON PAGE 13

33504127

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 *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
	0734	0730	0731			
36	Rectifying apparatus	335999 3YVV 8				
37	Power circuit breakers, all voltages (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 1100 0				
38	Switchgear, except ducts and relays (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 A100 0				
39	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				
40		26				
41		34				
42		42				
43		59				
44		67				
45	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↴	000930 0000 8				
46	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.)	000999 8000 5				
47	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				
48	TOTAL (Should equal 4, line A)	770000 0000 8				

23-27 Not Applicable.



33504135

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 |



33504143

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

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.

33504150