

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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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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	Pumps Hydraulic and pneumatic fluid power pumps, motors, and hydrostatic transmissions	333996 01 5			
2	Other pumps, excluding hydraulic	333911 03 0			
	Fluid power products, excluding pumps and motors (hydraulic and pneumatic)				
3	Valves	332912 07 0			
4	Cylinders and rotary actuators	333995 01 7			
5	Hose or tube fittings and assemblies	332912 03 9			
6	Filters	333999 01 9			
7	Other fluid power products, excluding pumps, compressors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, and filters	001900 89 3			
	Fabricated metal products (excluding forgings)				
8	Metal tanks, heat exchangers, steam condensers, and other boiler products; fabricated steel plate and weldments	332000 A1 6			
9	All other fabricated metal products	332000 59 5			

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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		
10	Forgings	332100 01 5			
	Castings (rough and semifinished)				
11	Iron and steel	331510 01 6			
12	Aluminum and aluminum-base alloy	331520 05 6			
13	Other nonferrous	331520 03 1			
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
	Steel				
14	Bars, bar shapes, and plate	331200 07 1			
15	Sheet and strip	331200 17 0			
16	All other steel shapes and forms	331200 33 7			
	Aluminum and aluminum-base alloy				
17	Sheet, plate, foil, and welded tubing	331315 01 0			
18	All other, excluding sheet, plate, foil, and welded tubing	331000 55 4			
19	All other nonferrous shapes and forms	331000 77 8			
	Electric motors and generators				
20	Fractional horsepower electric motors (less than 1 hp)	335312 25 2			
21	Integral horsepower motors and generators (1 hp or more)	335312 21 1			
22	Ball and roller bearings (mounted or unmounted)	332991 01 7			
23	Speed changers, gears, and industrial high-speed drives	333612 00 0			
24	Electrical transmission, distribution, and control equipment	001900 B1 6			

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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		
25	Wood boxes, pallets, skids, and containers	321920 01 9			
26	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↘	009700 99 8			
27	TOTAL (Should equal total reported in 15, 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		
1	Dairy and milk products plant machinery and equipment (except bottling and packaging machinery)				
	Industrial machinery and equipment for treating milk and dairy products by means of a change in temperature	333294 1131 9			
2	Other dairy and milk products plant machinery and equipment	333294 1141 8			
3	Parts and attachments for dairy and milk products plant machinery and equipment	333294 1171 5			

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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		
	Commercial food products machinery (except packaging machinery and food cooking and warming equipment)				
4	Slicers	333294 3111 9			
5	Choppers, grinders, cutters, dicers, and similar machines	333294 3221 6			
6	Mixers and whippers (except drink mixers)	333294 3331 3			
	Industrial bakery machinery and equipment				
7	Dough mixers, dividers, and molders	333294 3661 3			
8	Bake ovens (including traveling tray)	333294 3671 2			
9	Industrial rolling machines including pastry for the manufacture of bakery products	333294 3681 1			
10	Other industrial bakery machinery and equipment	333294 3691 0			
	Other commercial food preparation machines, including tenderizers (power-driven) (Specify kind.) ↴				
11		333294 3441 0			
12	Parts and attachments for commercial food preparation machines	333294 3551 6			
	Industrial machinery and equipment for manufacturing or processing foods, beverages (except dairy products), and animal or fowl feed (excluding packaging and bottling machinery and farm machinery)				
13	Presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages	333294 5101 8			
14	Machinery for sorting, grading, or cleaning fruits, vegetables, or eggs . .	333294 5206 5			
15	Industrial machinery and equipment for freezing or rapid chilling of food products	333294 5116 6			
16	Industrial driers for the manufacture of food products	333294 5121 6			
17	Industrial machinery and equipment, nec, for treating food products by a process involving a change in temperature (e.g., cooking or roasting) . .	333294 5131 5			
18	Industrial machinery and equipment, nec, for processing and preparing meat and poultry (not including the extraction or preparation of oils) . .	333294 5208 1			
19	Industrial machinery, nec, for the preparation of fruits, vegetables, and nuts (not including the extraction or preparation of fixed vegetable oils)	333294 5111 7			
20	Industrial machines for cleaning, sorting, or grading seed, grain, or dried leguminous vegetables	333294 5135 6			
21	Other industrial machinery used in the milling industry or for the working of cereals or dried leguminous vegetables	333294 5141 4			

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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		
	Industrial machinery and equipment for manufacturing or processing foods, beverages (except dairy products), and animal or fowl feed (excluding packaging and bottling machinery and farm machinery) - Continued				
22	Industrial machinery, nec, for the extraction or preparation of animal or fixed vegetable fats or oils	333294 5151 3			
23	Other industrial food and feed products machinery	333294 5161 2			
	Parts and attachments for industrial food and feed products machinery				
24	Parts and attachments for bakery furnaces and ovens	333294 5371 7			
25	Parts and attachments for presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages	333294 5376 6			
26	Parts and attachments for sorting, grading, or cleaning fruits, vegetables, or eggs	333294 5381 6			
27	Other parts and attachments for industrial food and feed products machinery	333294 5391 5			
	Packing, packaging, and bottling machinery, except parts and allied equipment				
28	Cartoning, multipacking, and leaflet/coupon placing machinery	333993 1103 5			
29	Thermoforming, blister, and skin (including carded display) machinery	333993 1207 4			
30	Bag (preformed) opening, filling, and closing machinery and systems	333993 1311 4			
31	Vacuum, gas, and other modified atmosphere laminating and bagging machines	333993 1315 5			
32	Bottling and canning machinery (including fillers, all types of closers, and accessory equipment)	333993 1437 7			
	Filling machinery				
33	Dry products (free and nonfree flowing), including by-count machinery, except bags	333993 1544 0			
34	Liquids and viscous products (very heavy liquids, slurries, and pumpable semisolids)	333993 1545 7			
35	Parts for packing, packaging, and bottling machinery	333993 5100 7			
	Bulk material handling conveyors and conveying systems (except hoists and farm elevators)				
	Conveyors and elevators				
36	Belt conveyors and systems	333922 7101 2			
37	Screw conveyors	333922 7206 9			
	Bulk material handling conveyors and conveying systems (excluding hoists)				
	Conveyors and elevators				
38	Other bulk handling conveyors and conveying systems	333922 7241 6			

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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		
39	Chemical manufacturing machinery, equipment, and parts				
	Heat exchange units	333298 1206 0			
40	Dryers	333298 1211 0			
41	Mixing, kneading, crushing, grinding, sifting, homogenizing, emulsifying, or stirring machines	333298 1121 1			
42	Other chemical manufacturing machines and equipment	333298 1226 8			
43	Parts for other chemical manufacturing machinery and equipment	333298 1336 5			
44	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			
45		26			
46		34			
47		42			
48		59			
49		67			
50	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) 7	000930 0000 8			
51	Miscellaneous receipts				
	Sales of scrap and refuse	000999 8013 8			
52	Receipts for repair work	000999 8061 7			
53	Receipts for installation or construction	000999 8031 0			
54	Other miscellaneous receipts	000999 8098 9			
55	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			
56	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"/>
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>

B. During 2002 did this establishment:

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