

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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
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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 | Fabricated plastics products (excluding gaskets) | 326100 11 2 | | | |
| | Electric motors and generators | | | | |
| 2 | Fractional horsepower (less than 1 hp; excluding timing motors) | 335312 11 2 | | | |
| 3 | Integral horsepower (1 hp or more) | 335312 21 1 | | | |
| 4 | Electrical transmission, distribution, and control equipment | 001900 B1 6 | | | |
| | Fluid power products, hydraulic and pneumatic | | | | |
| 5 | Fluid power pumps, motors, and hydrostatic transmissions (complete assemblies) | 333996 01 5 | | | |
| 6 | Fluid power valves and hose and tube fittings and assemblies | 332912 11 2 | | | |
| 7 | Other, including fluid power cylinders, actuators, and filters | 001900 87 7 | | | |
| 8 | Ball and roller bearings (mounted or unmounted) | 332991 01 7 | | | |
| 9 | Internal combustion engines (diesel, semidiesel, gasoline, and other carburetor) | 333618 09 8 | | | |

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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 | | |
| | Fabricated metal products (excluding fluid power products and forgings) | | | | |
| 10 | Pipe, valves, and pipe fittings, excluding fluid power | 332919 01 8 | | | |
| 11 | Bolts, nuts, screws, washers, rivets, and screw machine products | 332722 03 2 | | | |
| 12 | Fabricated structural metal products, including metal tanks, heat exchangers, steam condensers, other boiler products, steel plate, weldments, and sheet metal products | 332000 99 1 | | | |
| 13 | Other | 332000 51 2 | | | |
| | Forgings | | | | |
| 14 | Iron and steel | 332111 01 2 | | | |
| 15 | Nonferrous | 332112 01 0 | | | |
| | Castings (rough and semifinished) | | | | |
| 16 | Iron and steel | 331510 01 6 | | | |
| 17 | Aluminum and aluminum-base alloy | 331520 05 6 | | | |
| 18 | Other nonferrous | 331520 03 1 | | | |
| | Shapes and forms (excluding castings, forgings, and fabricated metal products) | | | | |
| | Steel | | | | |
| 19 | Bars, bar shapes, and plate | 331200 07 1 | | | |
| 20 | Sheet and strip | 331200 17 0 | | | |
| 21 | All other steel shapes and forms | 331200 33 7 | | | |
| | Nonferrous | | | | |
| 22 | Aluminum and aluminum-base alloy | 331000 39 8 | | | |
| 23 | Other | 331000 77 8 | | | |
| 24 | Fabricated rubber products, excluding gaskets | 326000 11 4 | | | |
| 25 | Gaskets and packing and sealing devices (all types) | 339991 03 6 | | | |
| 26 | Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products | 325510 03 0 | | | |

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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 | | |
| 27 | Paperboard containers, boxes, and corrugated paperboard | 322210 01 4 | | | |
| 28 | 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 | | | |
| 29 | 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 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.

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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 *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 | Pumps and pumping equipment (except hydraulic fluid power pumps, vacuum pumps, measuring and dispensing (gasoline service station) pumps, concrete pumps, and automotive circulating pumps and similar pumps for motor vehicles; including the value of the driver if shipped as a complete unit) Oil well and oil field pumps (except boiler feed); complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 1698 - 1721.)* | 333911 1330 6 | | | |
| 2 | Domestic sump pumps, 1 hp or less; complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 1435 - 1439.)* | 333911 1220 9 | | | |
| 3 | Domestic water systems (pumps for home and farm use), excluding irrigation pumps; complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 1367 - 1390.)* | 333911 1110 2 | | | |
| 4 | Industrial pumps (centrifugal, vertical turbine, reciprocating, diaphragm, rotary, etc.; including sump pumps over 1 hp, boiler feed pumps, and irrigation pumps); complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 1098 - 1298.)* | 333911 1440 3 | | | |
| 5 | Locomotive fuel lubricating or cooling medium pumps | 333911 5105 8 | | | |
| 6 | Other (including hot water heating circulator pumps, oil burner and appliance pumps, fire engine pumps, laboratory pumps, and other pumps for conducting liquids, slurries, semisolids, etc., but not gases; report pumps for conducting gases in the appropriate code for compressors and vacuum pumps); complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item code 1800.)* | 333911 1590 5 | | | |
| 7 | Parts and attachments, except seals, gaskets, packing, and other sealing devices (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 1911 - 1995.)* | 333911 5133 0 | | | |
| 8 | Air and gas compressors and vacuum pumps (except refrigeration, air-conditioning, and ice-making compressors, pneumatic air motors, and laboratory vacuum pumps; including the value of the driver if shipped as a complete unit) Air and gas compressors, complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 3298 - 3388.)* | 333912 1110 0 | | | |
| 9 | Vacuum pumps, complete units (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item codes 3398 - 3477.)* | 333912 1220 7 | | | |
| 10 | Parts and attachments (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002, item code 3900.)* | 333912 5100 7 | | | |
| 11 | Measuring and dispensing pumps for service station use for dispensing petroleum products; including grease guns Gasoline dispensing pumps, computing type (complete units) Single units With suction pumping unit | 333913 0113 3 | | | |
| 12 | Without suction pumping unit | 333913 0114 1 | | | |

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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 | | |
| | Measuring and dispensing pumps for service station use for dispensing petroleum products; including grease guns - Continued | | | | |
| | Gasoline dispensing pumps, computing type (complete units) - Continued | | | | |
| | Multiple units | | | | |
| 13 | With suction pumping unit | 333913 0223 0 | | | |
| 14 | Without suction pumping unit | 333913 0224 8 | | | |
| 15 | Other products, including lubricating oil pumps, barrel pumps, grease guns, noncomputing-type gasoline pumps, etc.; complete units | 333913 0355 0 | | | |
| 16 | Parts and attachments | 333913 0391 5 | | | |
| | Industrial spraying equipment (except agricultural and flame) | | | | |
| 17 | Power paint-spraying outfits and other liquid power sprayers | 333912 7131 0 | | | |
| 18 | Hand sprayers | 333912 7151 8 | | | |
| 19 | Parts and attachments | 333912 7199 7 | | | |
| 20 | Flareless fittings and couplings (including nonmetal fittings), nonaerospace, used in fluid power transfer systems | 332912 J100 3 | | | |
| 21 | Industrial instruments for controlling process variables (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)* | 334513 0100 7 | | | |
| 22 | Receipts for machine shop job work and job order repairs | 332710 0100 1 | | | |
| 23 | 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 | | | |
| 24 | | 26 | | | |
| 25 | | 34 | | | |
| 26 | | 42 | | | |
| 27 | | 59 | | | |
| 28 | | 67 | | | |
| 29 | Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↴ | 000930 0000 8 | | | |

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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 | | |
| 30 | Miscellaneous receipts, including receipts for repair work, sales of scrap and refuse, etc. | 000999 8000 5 | | | |
| 31 | 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 | | | |
| 32 | TOTAL (Should equal 4, line A) | 770000 0000 8 | | | |

23-27 Not Applicable.



33322132

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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