

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

17 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 **22**. 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.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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 **16**, 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 **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **22** under Census product code 999899 1000, "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	Electrical transmission, distribution, and control equipment	330000 63			
2	Electronic-type components (resistors, capacitors, transformers, electron tubes, semiconductors, etc.)	330000 82			
3	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry)	334413 00			
4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components)	334418 01			
5	Integral horsepower electric motors and generators (1 hp or more)	335312 21			
6	Mechanical speed changers, gears, and industrial high-speed drives	333612 00			
7	Fluid power products, hydraulic and pneumatic Fluid power pumps, motors, and hydrostatic transmissions (complete assemblies)	333996 01			
8	Fluid power filters	333999 01			

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17 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		
9	Fluid power products, hydraulic and pneumatic - Continued				
	Valves	332912 07			
10	Other hydraulic and pneumatic products	001900 89			
11	Fabricated metal products (including forgings)	332000 05			
12	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate and weldments	332000 84			
13	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	332722 03			
14	Metal pipe, valves, and pipe fittings (excluding forgings)	332919 01			
15	Steel shapes and forms (including steel bars, bar shapes, plate, wire, wire products, sheet and strip)	331000 24			
16	Iron and steel castings (rough and semifinished)	331510 01			
17	Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum-base alloy and copper and copper-base alloy)	331520 04			
18	Industrial chemicals (chemical reagents, calcium chloride, acidizing materials etc.) (excluding explosive materials, blasting accessories, and drilling fluids)	325000 74			
19	Pump and pump equipment (excluding fluid power)	333911 07			
20	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99			
21	TOTAL (Should equal total reported in 16 , line A1)	771000 00			

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18-21 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 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 999899 200.

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 999899 1000, "Resale."

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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	Textile machinery (including parts, attachments, and accessories) Textile machinery (including fiber to fabric textile, hand looms, lace, embroidery, bleaching, printing, and other textile industry machinery) (excluding parts, attachments, and accessories) . . .	333292 1700				
2	Parts, attachments, and accessories for textile machinery . . .	333292 3800				
3	Plastics and rubber machinery and equipment Plastic screw extrusion machines (excluding patterns and molds)	333220 1108				
4	Plastic molding machines (excluding patterns and molds) . . .	333220 1205				
5	Other machinery for working plastics and making products from plastics (<i>Specify kind</i>) ↴ <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	333220 1336				
6	Thermoforming (vacuum forming) machinery for plastics manufacturing (excluding patterns and molds)	333220 1346				
7	Parts for other machinery for working plastics and making products from plastics	333220 1477				
8	Machinery for working rubber and making products of rubber (excluding tire molds)	333220 3105				
9	Parts for rubber working machinery (excluding tire molds) . . .	333220 3226				

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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		
	Semiconductor wafer processing equipment and parts				
10	Thin layer chemical and physical vapor deposition	333295 0601			
11	Plasma and wet etch	333295 0602			
12	Thin layer epitaxial growth deposition	333295 0603			
13	Pattern generating apparatus	333295 0604			
14	Ion implantation (including current and voltage ion implanters)	333295 0605			
15	Parts for semiconductor manufacturing machinery (including packaging equipment)	333295 0606			
	Chemical manufacturing machinery, equipment, and parts				
16	Mixing, kneading, crushing, grinding, sifting, homogenizing (excluding dairy), emulsifying, or stirring machines	333298 1121			
17	Distilling, rectifying, and fractionating machinery and equipment	333298 1201			
18	Heat exchange units	333298 1206			
19	Dryers	333298 1211			
20	Gas or air liquefying machinery	333298 1216			
21	Parts for chemical manufacturing distilling, rectifying, fractionating, heat exchange, dryers, gas and air liquefying machinery and equipment	333298 1331			
22	Parts for other chemical manufacturing machinery and equipment	333298 1336			
23	Other chemical manufacturing machines and equipment (excluding parts) <i>(Specify kind)</i> ↴ <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	333298 1226			
	Foundry machinery, equipment, and parts (excluding patterns and molds)				
24	Pouring equipment (including ladles, crucibles, and pouring machines)	333298 3101			
25	Molding and core-making machines	333298 3106			

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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			
26	Foundry machinery, equipment, and parts (excluding patterns and molds) - Continued					
	Casting machines (excluding die casting machines, patterns, and molds)	333298 3111				
27	Blast cleaning machines (hydraulic, pneumatic, and airless)	333298 3115				
28	Other foundry machinery and equipment (including die casting centers) (excluding parts) <i>(Specify kind)</i> [Redacted]	333298 3121				
29	Parts for foundry machinery and equipment	333298 3202				
30	Printed circuit board manufacturing machinery and parts (excluding testing)					
	Through-hole machinery (excluding parts)	333298 5106				
31	Surface mount machinery (excluding parts)	333298 5201				
32	Other printed circuit board manufacturing machinery and equipment (excluding parts) <i>(Specify kind)</i> [Redacted]	333298 5211				
33	Parts, attachments, and accessories for printed circuit board manufacturing machinery and equipment	333298 5316				
34	Vibratory metal finishing machines					
	Electroplating equipment (excluding rolling mill lines and parts)	333298 6201				
35	Vibratory finishing machines (excluding parts)	333298 6203				
36	Metal plating equipment (excluding electroplating and parts)	333298 6205				
37	Metal degreasing machines (including parts)	333298 6209				
38	Other metal finishing equipment (excluding electroplating, rolling mill equipment, and parts) <i>(Specify kind)</i> [Redacted]	333298 6207				

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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	Miscellaneous special industry machinery, equipment, and parts Petroleum refining, distilling, and fractionating machinery and equipment and heat exchange units, and other petroleum refining machinery (excluding parts) <i>(Specify kind)</i> ↴	333298 6103				
40	Tobacco processing machinery (excluding parts)	333298 6123				
41	Sawing machines for working stone, ceramics, and similar materials (including glass) (excluding parts)	333298 6141				
42	Grinding or polishing machines for glass working (excluding parts)	333298 6146				
43	Glassmaking machinery and equipment (including machines for hot working glass or glassware) (excluding parts)	333298 63A6				
44	Other special industry glass working machines (excluding parts) <i>(Specify kind)</i> ↴	333298 6156				
45	Grinding or polishing machines for working stone, ceramics, and similar materials (excluding glass and parts)	333298 6151				
46	Other special industry machines for working stone, ceramics, and similar materials (excluding glass and parts) <i>(Specify kind)</i> ↴	333298 6161				
47	Clay products forming equipment (brick, tile, ceramic) (excluding parts)	333298 6171				
48	Concrete block and other forming equipment (excluding parts)	333298 6183				
49	Cement making machinery (excluding parts)	333298 6196				
50	Fuel fired kilns for cement, wood, and chemical processing (including parts)	333298 61C6				
51	Filtering and purifying machinery and apparatus for desalination (excluding parts)	333298 61H9				
52	Laboratory distilling equipment (excluding desalination equipment)	333298 61J1				
53	Footwear manufacturing and repairing machinery (including parts) (excluding shoe sole stitching machines)	333298 61K1				

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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		
	Miscellaneous special industry machinery, equipment, and parts - Continued				
54	Industrial sewing machine heads (including shoe sole stitching machine heads) (excluding parts)	333298 61K6			
55	Automatic industrial sewing machinery (excluding parts)	333298 61M1			
56	Industrial sewing machine furniture (including parts and attachments)	333298 61N1			
57	Machines for insulating electrical wire for cable (including parts)	333298 61N6			
58	Electric battery manufacturing machinery (excluding parts)	333298 61P1			
59	Household sewing machines and parts (including heads for sale with cabinets or cases, and heads for sale separately)	333298 61R3			
60	Parts for petroleum refining machinery	333298 6411			
61	Parts for tobacco processing, clay products forming equipment, cement making, desalinization, special industry machinery, and equipment	333298 6412			
62	Parts for machines for working stone, ceramics, and similar materials (including glass)	333298 6413			
63	Parts for concrete products forming equipment	333298 6414			
64	Parts for glassmaking machinery and equipment	333298 6415			
65	Parts for electroplating equipment	333298 6416			
66	Parts for metal finishing equipment	333298 6417			
67	Parts for electric battery making machines	333298 6419			
68	All other miscellaneous special industry machinery (including parts) (<i>Specify kind</i>) ↴ 	333298 65R6			
69	Receipts for machine shop job work and job order repairs	332710 0100			

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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			
	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 pre-listed products and services. For all remaining products, write "Other" and report a single total value.</i>)					
70		18				
71		26				
72		34				
73		42				
74		59				
75		67				
	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↘					
76		999899 2000				
77	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (<i>The cost of such items should be reported in 16, line A2.</i>)	999899 1000				
78	Miscellaneous receipts					
	Receipts for repair work	999899 9030				
79	Sales of scrap and refuse	999899 9003				
80	Receipts for installation (or construction) of products of this establishment	999899 9012				
81	Other miscellaneous receipts	999899 9091				
82	TOTAL (<i>Should equal total reported in 5</i>)	770000 0000				

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23-25 Not Applicable.

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26 SPECIAL INQUIRIES

A. PURCHASE OF CONTRACT MANUFACTURING

1. Did this establishment **purchase** contract manufacturing services from other companies or foreign plants of your company in 2012?

Include:

- Products for which the manufacturing (i.e., transforming or otherwise processing materials or components based on specifications provided by your company) was outsourced to other companies.
- Products for which the manufacturing was performed by your company's foreign plants.

Exclude:

- Services for packaging and assembling.
- Purchases of merchandise for resale (sale of products bought and sold without further processing or transformation).

1011 Yes - Go to line 2

1012 No - Go to **B**

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2. Report the costs incurred by this establishment for contract manufacturing purchased in 2012 1013

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

3. Report the value of sales, shipments, receipts, or revenue generated in 2012 from products whose purchases were reported as contract manufacturing costs in line 2 1015

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

B. RECEIPTS FROM CONTRACT MANUFACTURING

1. Did this establishment **provide** contract manufacturing services to others in 2012 (*regardless of materials ownership*)?

Include:

- Products manufactured at this location (i.e., transforming or otherwise processing materials or components based on specifications provided by the contracting company).
- Products manufactured and transferred to other plants of your company.
- Products manufactured and exported.

Exclude:

- Services for packaging and assembling.
- Sales of products purchased and sold without further processing or transformation.

1017 Yes - Go to line 2

1018 No - Go to **30**

2. Report the value of sales, shipments, receipts, or revenue generated in 2012 from contract manufacturing performed at this location for others (*regardless of materials ownership and based on specifications provided by the contracting company*) 1019

2012		
\$ Bil.	Mil.	Thou.
[] [] []	[] [] [] [] []	[] [] [] []

Please describe the product(s) being manufactured for others at this establishment. ↴

1020

27-29 Not Applicable.

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

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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?

Yes

No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Name of person to contact regarding this report

Title

Tele-
phone

Area code	Number	Extension
<input type="text"/>	<input type="text"/>	<input type="text"/>

Fax

Area code	Number
<input type="text"/>	<input type="text"/>

E-mail address

Date completed

Month	Day	Year
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Thank you for completing your 2012 ECONOMIC CENSUS form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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