

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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		
<b>1</b>	Machine tool accessories (including cutting tools) . . . . .	333515 05			
<b>2</b>	Industrial diamonds . . . . .	327999 03			
<b>3</b>	Tungsten carbide metal powders . . . . .	331492 00			
	Castings (rough and semifinished)				
<b>4</b>	Iron and steel . . . . .	331510 01			
<b>5</b>	Nonferrous (aluminum, copper, etc.) . . . . .	331520 11			
<b>6</b>	Metal bolts, nuts, screws, washers, rivets, and other screw machine products . . . . .	332722 03			
<b>7</b>	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) . . . . .	331200 07			
<b>8</b>	All other fabricated metal products (excluding castings and forgings) . . . . .	332000 43			

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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			
<b>9</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99				
<b>10</b>	<b>TOTAL</b> (Should equal total reported in <b>16</b> , line A1) . . . . .	771000 00				

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**18-21** 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 999899 2000.

**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, "Resales."

**Special Reporting Instructions and Definitions-**

Product class 3335151 (Lines 1 through 5) covers small cutting tools for machine tools and metalworking machinery.

Blanks, tips, and inserts (Line 4) - Molded blanks and tips (excluding pressed-to-size inserts) are case or pressed. Include those requiring further processing and finished or semifinished forms of blanks for brazing, soldering, or otherwise bonding to a shank to form a cutting tool.

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
<b>1</b>	Cutting tools (including broaches, reamers, hobs) and all other miscellaneous solid and tipped carbide cutting tools for machine tools and metalworking machinery . . . . .	333515 1103				
<b>2</b>	Carbon and high-speed steel shank and solid and tipped carbide twist drills (including masonry twist drill bits, gun drills, combined drills, countersinks, and counterbores) . . . . .	333515 1801				

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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			
<b>3</b>	High-speed steel end and solid and tipped carbide end mills, non and indexible inserted blade type, throwaway insert type, and all other miscellaneous milling cutters . . . . .	333515 1401				
<b>4</b>	Threading tools (including blanks, tips, inserts) and all other miscellaneous high-speed steel cutting tools for machine tools . .	333515 1501				
<b>5</b>	Taps (excluding taps in threading sets and screw plates and inserted chaser types) and precision ground carbide indexible and throwaway inserts for machine tools and metalworking machinery	333515 1901				
<b>6</b>	Tool holders, tracer and tapering attachments, lathe chucks, rotary tables, collets, jaws, vises, tool room specialties, and all other attachments and accessories <i>Specify kind</i>	333515 3100				
<b>7</b>	Jigs and fixtures (including parts) . . . . .	333514 0A10				
<b>8</b>	Metalworking die and die sets . . . . .	333514 0B10				
<b>9</b>	Punches, industrial prototypes, die parts, and other special tooling	333514 0C10				
<b>10</b>	Industrial molds and mold boxes					
	Industrial molds made of metal, for low-pressure and high-pressure die-casting of metal or metal carbides (excluding ingot molds) . . . . .	333511 0102				
<b>11</b>	Other industrial molds made of metal					
	Permanent molds made of metal for gravity casting (excluding ingot molds) . . . . .	333511 0411				
<b>12</b>	For metal or metal carbides (excluding ingot molds) . . . .	333511 0416				
<b>13</b>	For wax . . . . .	333511 0421				
<b>14</b>	For mineral materials . . . . .	333511 0426				
<b>15</b>	For glass . . . . .	333511 0431				

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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 molds and mold boxes - Continued					
	Other industrial molds made of metal - Continued					
	For rubber					
<b>16</b>	Industrial injection and compression-type . . . . .	333511 0436				
	Other types (excluding injection and compression-types) <i>(Specify kind)</i> ↴					
<b>17</b>		333511 0441				
	For other materials <i>(Specify kind)</i> ↴					
<b>18</b>		333511 0446				
<b>19</b>	Industrial mold bases made of metal . . . . .	333511 0451				
<b>20</b>	Industrial molds made of materials other than metal, for metal, metal carbides, glass, mineral materials, rubber, and plastics . . . . .	333511 0476				
<b>21</b>	Mold boxes and flasks for use with patterns and sand molds in foundries . . . . .	333511 0486				
	All other miscellaneous industrial molds made of materials other than metal <i>(Specify kind)</i> ↴					
<b>22</b>		333511 0481				
<b>23</b>	Industrial injection-type, compression-type, and other industrial molds (including matched metal, transfer, plunger, and rotational molds) made of metal for plastics . . . . .	333511 0571				
<b>24</b>	Molds and stools for heavy steel ingots . . . . .	331511 E200				
<b>25</b>	Nonmetallic abrasive products (including diamond abrasives) . . . . .	327910 4500				
<b>26</b>	Metal boring machines and drilling machines (excluding machining centers) . . . . .	333512 A100				
<b>27</b>	Metal grinding, polishing, buffing, honing, and lapping machines (excluding gear-tooth grinding, lapping, polishing, and buffing machines) . . . . .	333512 2100				
	Other metal cutting machine tools (excluding those designed primarily for home workshops, laboratories, garages, etc.) <i>(Specify     kind)</i> ↴					
<b>28</b>		333512 9100				

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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			
29	Parts for metal cutting machine tools (sold separately) . . . . .	333512 6101				
30	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only) . . . . .	333513 1100				
31	Industrial patterns (wood, metal, etc.) (excluding shoe patterns) Foundry patterns . . . . .	332997 0100				
32	All other industrial patterns (Specify kind) ↴ <input type="text"/>	332997 0206				
33	Receipts for machine shop job work and job order repairs . . . . .	332710 0100				
34	Precision turned products, automotive (nonstandard items made from rod, bar, or tube stock on screw machine turning centers) . . . . .	332721 1100				
35	Precision turned products and parts (nonstandard items made from rod, bar, or tube stock on screw machine turning centers) (excluding automotive) . . . . .	332721 3100				
36	Automotive job stampings (truck, bus, and passenger car) . . . . .	336370 0100				
37	Job stampings (excluding automotive) (Specify kind) ↴ <input type="text"/>	332116 1YWW				
38	Thermoplastic resins and plastics materials (Specify kind) ↴ <input type="text"/>	325211 1YWW				
39	Consumer, institutional, and commercial fabricated plastics products (excluding foam and wire coated) (Specify kind) ↴ <input type="text"/>	326199 6YWW				
40	Weldments and fabricated steel plate for construction and mining	332313 0351				
41	Aluminum and aluminum-base alloy die-castings . . . . .	331521 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			
<b>42</b>	Steel sheet metal work (Specify kind) ↴  	332322 G326				
<b>43</b>	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.) . . . . .	332811 0100				
<b>44</b>	All other miscellaneous general purpose machinery manufacturing (Specify kind) ↴  	339999 W/WW				
<b>45</b>	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 pre-listed products and services. For all remaining products, write "Other" and report a single total value.)  	18				
<b>46</b>		26				
<b>47</b>		34				
<b>48</b>		42				
<b>49</b>		59				
<b>50</b>		67				
<b>51</b>	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴  	999899 2000				
<b>52</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 16, line A2.) . . . . .	999899 1000				
<b>53</b>	Sales of scrap and refuse . . . . .	999899 9003				
<b>54</b>	Receipts for repair work . . . . .	999899 9030				
<b>55</b>	Other miscellaneous receipts . . . . .	999899 9091				
<b>56</b>	<b>TOTAL</b> (Should equal total reported in 5) . . . . .	770000 0000				

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23-25 Not Applicable.

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 1

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

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

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