

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. 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 which are not listed, describe and report them in the "Cost of all other materials" at the end of this section. If you consume more than \$25,000 of a listed material, include the value with "Cost of all other materials . . . ." Census material code 970099 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

**2. 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.

**3. 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 item 10, line e, 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.

**4. 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 item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

**5. Produced and Consumed** – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

INFORMATION COPY  
DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies  (A)	Census material code  (B)	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) (E)		
			574 Millions	Thou- sands	Dollars
1	Relays and industrial controls for drives, clutches, brakes, motors, etc., including programmable controllers	362510 0	\$		
2	Electric motors and generators	362100 2			
3	Transformers (except electronic type) and other electric power transmission and distribution equipment	361010 2			
4	Fluid power (hydraulic and pneumatic) pumps, motors, and hydrostatic transmissions	359412 4			
5	Fluid power products, including valves, cylinders, rotary actuators, hose or tube fittings and assemblies, filters, etc. (hydraulic and pneumatic), except pumps, motors, hydrostatic transmissions, and hose	190086 9			
6	Speed changers, gears, and industrial high-speed drives	356601 5			
7	Ball and roller bearings (mounted or unmounted)	356200 6			
8	Other mechanical power transmission equipment	356820 1			
9	Fabricated metal products, including forgings	340004 1			
10	CASTINGS (Rough and semifinished)				
	Iron and steel	332001 7			
11	Nonferrous	336010 4			
12	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL			
		Stainless	331031 5		
13		All other	331025 7		
14	NONFERROUS	Aluminum and aluminum-base alloy	335001 4		
15		Other	335091 5		

CONTINUE WITH ITEM 17 ON PAGE 6

**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued**

Line No.	(A) Materials, parts, and supplies		Census material code  571 (B)	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) (E)		
				574 Millions	Thou- sands	Dollars
16	OTHER PURCHASED DEVICE FOR INCORPORATION INTO COMPLETE FINISHED PRODUCT	Materials which are products of the Packaging Machinery Industry, including filler, coding, code dating, marking, imprinting, labeling, adhesive, accumulating, collating, feeding, and unscrambling devices	356509 0	\$		
17		Other, including weighing machines and scales, certain checkweighing and metal and other detection devices, and conveyors and conveying equipment	190096 8			
18	Cost of all other materials and components, parts, containers, and supplies consumed . . . . . <i>Describe the principal materials, etc., included in this value.</i>		970099 8			
19	<b>TOTAL</b> Sum of lines 1–18 should equal item 10, line a			\$		

**Item 18A – Not applicable to this report**

**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

- 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 item 18B. 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.
- 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 product code 93000 00 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 product code 99989 00 6, "Resales."

Line No.	(A) Products and services		Census product code  581 (B)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584 Millions	Thou- sands	Dollars
1	<b>Packing, Packaging, and Bottling Machinery, Except Parts (35651); and Allied Equipment</b>	Cartoning, multipacking, and leaflet/coupon placing machinery	35651 23 1	\$		
2		Thermoforming, blister, and skin (including carded display) machinery	35651 25 6			
3		Bag (preformed) opening, filling, and closing machinery and systems	35651 03 3			
4		Vacuum, gas, and other modified atmosphere laminating and bagging machines	35651 31 4			
5		Bag or pouch form, fill, and seal machinery (must perform all three functions): • Horizontal	35651 04 1			
6		• Vertical	35651 05 8			
7		Adhesive devices (hot melt and cold glue)	35651 52 0			
8		Machinery for cleaning or drying bottles or other containers	35651 22 3			
9		(Continued on next page)	Bottling and canning machinery (including fillers, all types of closers, and accessory equipment)	35651 51 2		

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services  <b>(A)</b>			Census product code  <b>(B)</b>	Products shipped and other receipts		
					Value, f.o.b. plant <b>(E)</b>		
				581	584	Millions	Thousands
10	FILLING MACHINERY	Dry products (free and nonfree flowing), including by-count machinery, except bags		35651 33 0	\$		
11		Liquids and viscous products (very heavy liquids, slurries, and pumpable semisolids)		35651 35 5			
12	Glass or plastics container or can capping, sealing, and lidding machinery (excluding all filling, bottling, and canning machinery)			35651 45 4			
13	Labeling machinery (all types of applications and methods)			35651 37 1			
14	CODING, DATING, IMPRINTING, JET PRINTING, MARKING, AND STAMPING MACHINERY	Specifically for packaging use		35651 41 3			
15		For general printing trades use (report parts on line 28)		35558 99 8			
16	Corrugated and solid fiber case and tray forming, loading, and sealing machinery			35651 43 9			
17	Accumulating, collating, feeding, and unscrambling machinery (report conveying equipment on lines 30–38 instead of here)			35651 18 1			
18	TESTING, INSPECTING, DETECTING, CHECK-WEIGHING AND OTHER QUALITY CONTROL DEVICES	Automatic checkweigher and bulkweigher scales (report parts on line 27)		35961 10 1			
19		Other instruments for quality control and similar use, including physical properties testing and inspection equipment, kinematic testing and measuring equipment, and commercial and general-purpose instruments, and parts – <i>Specify kind</i>		38290 00 3			
20		Other quality control machinery specifically for packaging use – <i>Specify kind</i>		35651 49 6			
21	Paper, film, and foil wrapping machines (all types, except shrink and stretch film equipment)			35651 27 2			
22	Shrink and stretch film overwrapping, banding, and bundling machinery (excluding pallet unitizing) including shrink tunnels			35651 28 0			
23	Palletizers and depalletizers (pallet loaders and unloaders) for materials-handling use in and around plants, depots, docks, airports, and terminals (truck-type products and related equipment; report parts on line 26)			35373 26 5			
24	Palletizing, depalletizing, and pallet unitizing machinery with stretch film, adhesive, or strapping			35651 53 8			
25	Other packing, packaging, and bottling machinery or systems and combinations or equipment not listed above, except parts – <i>Specify kind</i>			35651 59 5			
26	Parts for products listed on line 23			35374 00 8			
27	Parts for products listed on lines 18 and 40			35963 09 9			
28	Parts for products listed on line 15			35558 93 1			
29	Parts for packing, packaging, and bottling machinery <b>(35652)</b>			35652 00 7			
30	Unit handling conveyors and conveying systems (except hoists and farm equipment; report such products on lines 56–60)	COMPLETE UNITS	Powered (Belt and Roller)	Light- to medium-duty – <i>Specify whether belt or roller</i>	35353 00 2		
31				Heavy duty – <i>Specify whether belt or roller</i>			
32			Other	35353 00 2			
33	Parts, attachments, and accessories			35354 00 0			

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services			Census product code	Products shipped and other receipts		
					Value, f.o.b. plant (E)		
	(A)			(B)	584 Millions	Thousands	Dollars
34	<b>Bulk Material Handling Conveyors and Conveying Systems (Except Hoists and Farm Equipment; Report Such Products On Lines 56-60)</b>	COMPLETE UNITS	Belt conveyors and systems	35355 05 6	\$		
35			Pneumatic conveyors	35355 15 5			
36			Vibrating conveyors	35355 27 0			
37			Other, including screw, portable, en masse, apron, flight, and drag conveyors; bucket elevators; bucket wheel reclaimers, vibrating feeders, bins, apron feeders, gates, and similar unloading and reclaiming systems; traveling stackers, trippers centrifugal throwers, and similar loading and storing systems; etc. – <i>Specify kind</i>				
38			Parts – <i>Specify kind if for belt conveyors</i>	35355 00 7			
39	Industrial trucks, tractors, mobile straddle carriers and cranes, automatic stacking machines, and parts, for materials-handling use in and around plants, depots, docks, airports, and terminals (except palletizers and depalletizers; see lines 23 and 26)			35370 00 6			
40	Scales and balances, except automatic checkweigher and bulkweigher (see line 18) and laboratory (report those on lines 56-60); complete units only; report parts on line 27 – <i>Specify kind and whether for vehicle, industrial, or other use</i>			35960 00 4			
41	Machine tools, metal cutting types			35410 00 0			
42	Machine tools, metal forming types			35420 00 9			
43	Assembly machines			35492 00 0			
44	Special dies and tools, die sets, jigs, and fixtures			35441 00 5			
45	Plastics working machinery, not elsewhere classified (except patterns and molds; report those on lines 56-60)			35593 00 3			
46	COMMERCIAL FOOD PRODUCT AND BAKERY MACHINERY AND EQUIPMENT	Slicers		35562 11 5			
47		Choppers, grinders, cutters, dicers, and similar machines		35562 21 4			
48		Mixers and whippers (except drink mixers; report those on line 49)		35562 31 3			
49		Other, including bakery equipment (but not cooking or food-warming equipment; report such products on lines 56-60)		35562 00 8			
50		Parts and attachments (except for cooking and food-warming equipment)		35562 51 1			
51	INDUSTRIAL MACHINERY AND EQUIPMENT FOR MANUFACTURING OR PROCESSING FOODS, BEVERAGES, AND ANIMAL OR FOWL FEED	Presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages		35563 04 8			
52		Machinery for sorting, grading, or cleaning fruits, vegetables, or eggs		35563 05 5			
53		Other, except dairy and packaging (report dairy equipment on lines 56-60)		35563 00 6			
54		Parts and attachments		35563 00 6			
55	Receipts for machine shop job work and job order repair			35995 00 0			
56	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>					
57					18		
58					26		
59					34		
60					42		
				59			

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued**

Line No.	Products and services  <b>(A)</b>		Census product code  <b>(B)</b>	Products shipped and other receipts		
				Value, f.o.b. plant <b>(E)</b>		
				584 Millions	Thou- sands	Dollars
61	CONTRACT WORK	Receipts for work done for others on their own materials . . . . . <i>Describe below products worked on and kind of work.</i>	93000 00 8	\$		
62	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
63	MISCELLANEOUS RECEIPTS	Miscellaneous receipts (including receipts for sale of scrap and refuse, repair work, installation or construction of products, etc.)	99980 00 5			
64	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1–63, column (E)		77000 00 8	\$		

**Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT**

**INSTRUCTIONS**

- Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- Purchases or receipts of the items specified below should be reported only in item 17.
- Materials used to produce the items specified below should be reported in item 17.
- Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- Report quantities in the unit of measure specified in column (D).

Line No.	Item  <b>(A)</b>	Census code  <b>(B)</b>	Was this operation performed at this establishment during 1997?  <b>(C)</b>		Unit of measure for quantities  <b>(D)</b>	Quantities produced in this establishment and used in manufacturing other products made in this establishment	
			591 Yes	No		593 <b>(E)</b>	
			1	Ferrous foundries		1001 7	1 <input type="checkbox"/>
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds	
3		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
4		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5		Other	1005 8	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
6	Nonferrous die-casting foundries	1006 6	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007 4	1 <input type="checkbox"/>	2 <input type="checkbox"/>			

**Items 20 and 21 – Not applicable to this report**

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

**Item 22. CERTIFICATION –** This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report ( <i>Print or type</i> )		Telephone	Area code	Number	Extension	
Name of company		Address ( <i>Number and street, city, State, ZIP Code</i> )				
<b>Period covered</b>	FROM: Month	Day	Year	TO: Month	Day	Year
	666 1			2		
Signature of authorized person		Title			Date	