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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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)		
				(E)		
	(A)	(B)	574	Thou-	Dollars	
			Millions	sands		
1	Electrical transmission, distribution, and control equipment		360101 0	\$		
2	PUMPS, COMPLETE ASSEMBLIES	Hydraulic and pneumatic fluid power pumps, motors, and hydrostatic transmissions	359412 4			
3		Other pumps and pump parts, except fluid power	356101 6			
4	FLUID POWER PRODUCTS (Hydraulic and pneumatic), EXCEPT PUMPS AND MOTORS	Valves	349271 7			
5		Cylinders and rotary actuators	359301 9			
6		Hose or tube fittings and assemblies	349261 8			
7		Filters	356921 7			
8		Other fluid power products, except pumps, compressors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, and filters	190089 3			
9	FABRICATED METAL PRODUCTS, EXCEPT FORGINGS	Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2			
10		Metal tanks, heat exchangers, steam condensers, and other boiler products; fabricated steel plate and weldments	344301 7			
11		Pipe, valves, and pipe fittings	349402 8			
12		Other fabricated metal products, except fluid power	340072 8			
13	Forgings		346000 3			
14	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
15		Aluminum and aluminum-base alloy	336005 4			
16		Other nonferrous	336003 9			

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued

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	
17	Shapes and Forms (Except Castings, Forgings, and Fabricated Metal Products)	STEEL	Bars, bar shapes, and plates	331007 5	\$		
18		Sheet and strip	331022 4				
19		Structural shapes and sheet piling	331023 2				
20		All other steel shapes and forms	331091 9				
21		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8			
22			All other, except sheet, plate, foil, and welded tubing	335011 3			
23		Other nonferrous shapes and forms	335091 5				
24		ELECTRIC MOTORS AND GENERATORS	Fractional horsepower electric motors (less than 1 hp), excluding timing motors	362115 8			
25			Integral horsepower motors and generators (more than 1 hp)	362120 8			
26		Ball and roller bearings (mounted or unmounted)		356200 6			
27	Speed changers, gears, and industrial high-speed drives		356601 5				
28	Air and gas compressors (except refrigeration compressors)		356301 2				
29	Filter paper		262195 1				
30	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				
31	TOTAL Sum of lines 1–30 should equal item 10, line a			\$			

Item 18A. INSTRUCTIONS AND INQUIRY FOR COMPANIES ENGAGED IN INSTALLATION (OR ERECTION) OF PRODUCTS OF THEIR OWN MANUFACTURE

It is preferable that you report the value of shipments for individual products, excluding the amounts received for installation and erection. The installation and erection receipts (if any) should be reported on line 186, item 18B. In order to evaluate the reporting for this item, please answer the following questions:

	Key		Mark (X) appropriate boxes		
	591	5512			
1a. Do the value of shipments figures for individual products include the cost of installation or erection of the product?	592		1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know
b. If "Yes," please estimate the total amount received for installation or erection	593		1 <input type="checkbox"/> Under \$50,000	2 <input type="checkbox"/> \$50,000–\$499,999	3 <input type="checkbox"/> \$500,000–\$999,999 4 <input type="checkbox"/> \$1 million or more
2. Do the employees of this manufacturing establishment install or erect the products of your company? <i>If "Yes," include these employees in item 2 and their wages in item 3A.</i>	594		1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know
3. Does a distinct outside labor force (not attached to this manufacturing plant) erect or install the products for your establishment? <i>If "Yes," do not include this labor force in item 2 or their wages in item 3A. Payments made by this establishment for any work done by others should be reported as a cost of contract work in item 10e. The payroll of this outside labor force should be reported by the establishment that maintains the records for them.</i>	595		1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know

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

INSTRUCTIONS

1. 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.

2. 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.

3. 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.

4. 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."

5. 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 forms, the sum of the detailed CIR products should equal the total reported on this census form.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services (A)			Census product code	Products shipped and other receipts		
				581 (B)	Value, f.o.b. plant (E)		
					584 Millions	Thou- sands	Dollars
1	CHEMICAL MANUFACTURING MACHINERY, EQUIPMENT, AND PARTS (35591)			35591 01 5	\$		
2	Distilling, rectifying, or fractionating			35591 03 1			
3	Heat exchange units			35591 05 6			
4	Dryers			35591 07 2			
5	Gas or air liquefying machinery			35591 09 8			
6	Mixing, kneading, crushing, grinding, sifting, homogenizing, emulsifying, or stirring machines			35591 11 4			
7	Other chemical manufacturing machines and equipment			35591 13 0			
8	Parts for distilling, rectifying, fractionating, heat exchange, dryers, gas or air liquefying machinery and equipment			35591 15 5			
9	Parts for other chemical manufacturing machinery and equipment			35592 01 3			
10	FOUNDRY MACHINERY AND EQUIPMENT (Excluding patterns and molds) (35592)			35592 03 9			
11	Foundry pouring equipment (including ladles, crucibles, and pouring machines)			35592 11 2			
12	Foundry molding and core-making machines			35592 07 0			
13	Casting machines (except die-casting machines; report die-casting machines on line 181)			35592 13 8			
14	Blast cleaning machines (hydraulic, pneumatic, and airless)			35592 16 1			
15	Other foundry machinery and equipment, including converters – <i>Specify kind</i>			35592 18 7			
16	Parts for foundry blast cleaning machines			35593 01 1			
17	Other parts for foundry machinery and equipment			35593 03 7			
18	Plastics Working Machinery and Equipment (Excluding patterns and molds) (35593)	EXTRUSION MACHINES	Single Screw Extruders	Up to 2.49 inch screw diameter	35593 05 2		
19				2.50 to 5.49 inch screw diameter	35593 07 8		
20				5.50 and up inch screw diameter	35593 09 4		
21				Multiple screw extruders	35593 11 0		
22	(Continued on next page)	INJECTION MOLDING MACHINES	500 tons or less	35593 13 6			
				More than 500 tons			

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued								
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code	Products shipped and other receipts			
					Value, f.o.b. plant (E)			
	(A)			581 (B)	584 Millions	Thou-sands	Dollars	
23	Plastics Working Machinery and Equipment (Excluding patterns and molds) (35593) – Continued	Blow molding machines		35593 15 1	\$			
24		Granulators and pelletizers		35593 17 7				
25		Thermoforming machines		35593 19 3				
26		Calendering or other rolling machines for working plastics		35593 21 9				
27		Machines for cold-working plastics drilling, milling, slicing, grinding, etc.		35593 23 5				
28		Machinery for treating plastics by means of a change in temperature		35593 24 3				
29		Other machinery for forming plastics		35593 26 8				
30		Other machinery for working plastics or making products from plastics		35593 28 4				
31		Parts of machinery for treating plastics by means of a change in temperature		35593 42 5				
32		Parts of calendering or rolling machines for plastics		35593 44 6				
33		Other parts for plastics working machinery		35593 46 6				
34		RUBBER WORKING MACHINERY AND EQUIPMENT (Excluding tire molds) (35594)	High-intensity solids mixers		35594 01 9			
35			Extruding machines		35594 03 5			
36	Tire building equipment (except tire molds)		35594 05 0					
37	Tire recapping and repairing machinery and equipment (including recapping vulcanizers)		35594 07 6					
38	Other machinery for working rubber or making products of rubber		35594 16 7					
39	Parts for rubber working machinery		35594 25 8					
40	PRINTED CIRCUIT BOARD MANUFACTURING MACHINERY (Except testing) (35595)	Surface mount machinery		35595 01 6				
41		Through-hole machinery		35595 03 2				
42		Other printed circuit board manufacturing machinery and equipment – <i>Specify kind</i>		35595 05 7				
43		Parts, attachments, and accessories for printed circuit board manufacturing machinery and equipment		35595 09 9				
44	Cable backplane and other continuity testers (bare board testers) (corresponds to data for survey item code 5783 as reported on CIR form MA38B, Selected Instruments and Related Products, for 1997)*			38252 00 3				
45	Circuit board loaded test equipment (corresponds to data for survey item code 5766 as reported on CIR form MA38B, Selected Instruments and Related Products, for 1997)*			38252 00 3				
46	Semi-conductor Manufacturing Equipment (Except furnaces and ovens, instruments, and photo-graphics) (35596)	WAFER PROCESSING EQUIPMENT	Microlithography, including aligners and other lithography systems		35596 02 2			
47			Thin Layer Deposition	Chemical vapor deposition		35596 15 4		
48				Physical vapor deposition		35596 17 0		
49				Epitaxial growth		35596 19 6		
50		Etch and Strip	Wet etch		35596 21 2			
51			Plasma etch		35596 23 8			
52			Reactive ion etch		35596 25 3			
53			Stripping systems		35596 27 9			
54		(Continued on next page)	(Continued on next page)	Ion implantation including current and voltage ion implanters		35596 30 3		

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code	Products shipped and other receipts				
					Value, f.o.b. plant (E)				
	(A)			581 (B)	584 Millions	Thousands	Dollars		
55	Semi-conductor Manufacturing Equipment (Except furnaces and ovens, instruments, and photo-graphics) (35596) - Continued	WAFER PROCESSING EQUIPMENT - Continued	Machines designed to saw (slice) blank semiconductor wafers from crystal boules of semiconductor grade materials		35596 53 5	\$			
56			Machines designed to grind or polish semiconductor wafers		35596 55 0				
57			Pattern generating apparatus designed to produce masks and reticles from photoresist coated substrates, except for focused ion beam milling machines		35596 57 6				
58			Other semiconductor wafer processing equipment		35596 59 2				
59		ASSEMBLY AND PACKAGING EQUIPMENT	Assembly	Dicing, including saws and scribing/fracturing machines		35596 36 0			
60				Bonding	Die bonders		35596 39 4		
61					Wire bonders		35596 41 0		
62			Packaging, including mold and seal equipment and finish and mark equipment		35596 46 9				
63			Other assembly and packaging equipment, including lead frame inserting machines		35596 48 5				
64			Parts of machine tools designed to produce or process semiconductor wafers		35596 61 8				
65			Parts of ion beam and plasma machines designed to process semiconductor wafers and designs by removal of material		35596 63 4				
66			Parts of ion implanters designed for doping semiconductor wafers		35596 65 9				
67			Parts of apparatus for the projection of circuit patterns on sensitized semiconductor materials		35596 67 5				
68			Parts of pattern generating apparatus designed to produce masks and reticles from photoresist coated substrates		35596 69 1				
69		Other parts of semiconductor manufacturing machinery		35596 71 7					
70		Semiconductor component test equipment (corresponds to the sum of survey item codes 5762-5765 as reported on CIR form MA38B, Selected Instruments and Related Products, for 1997)*			38252 00 3				
71		Industrial furnaces and ovens			35670 00 9				
72		Photographic equipment and supplies			38610 00 2				
73		Irradiation (ionizing, radiation equipment, including X-ray, beta ray, gamma ray, and nuclear (medical, dental, industrial, and scientific) (corresponds to the sum of survey item codes 8002-8026, 8102, 8202-8214 as reported on CIR MA38R, Electronic Equipment and Irradiation Equipment (including X-ray, for 1997) (38440)			38440 00 4				
74	AUTO-MOTIVE MAINTENANCE EQUIPMENT (Except handtools) (35597)	Frame and body alignment equipment		35597 01 2					
75		Wheel alignment equipment		35597 02 0					
76		Wheel balancing equipment		35597 03 8					
77		Tire and wheel mounting equipment		35597 04 6					
78		Brake service equipment		35597 05 3					
79		All other automotive maintenance equipment (except handtools)		35597 09 5					
80		Parts and attachments for automotive maintenance equipment, excluding handtools (sold separately)		35597 11 1					
81	Special Industry Machinery and Equipment, Not Elsewhere Classified (35598)	Petroleum refining, distilling, or fractionating machinery and equipment		35598 02 8					
82		Petroleum refining heat exchange units		35598 04 4					
83		Other petroleum refining machinery		35598 06 9					
84		Parts for petroleum refining machinery		35598 03 6					
85		Ammunition and explosive loading machinery		35598 05 1					
86		Parts for ammunition and explosive loading machinery		35598 07 7					

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

Line No.	Products and services (A)		Census product code (B)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
			581	584	Millions	Thou- sands
87	Tobacco processing machinery		35598 09 3	\$		
88	Parts for tobacco processing machinery		35598 11 9			
89	MACHINES FOR WORKING STONE, CERAMICS, BRICK, CONCRETE, ASBESTOS-CEMENT, OR LIKE MINERAL MATERIALS OR FOR COLD-WORKING GLASS (Except interchangeable cutting tools)	Sawing machines	35598 13 5			
90		Grinding or Polishing Machines	Glass working	35598 15 0		
91			Other	35598 17 6		
92		Other Machines	Glass working	35598 19 2		
93			Other	35598 22 6		
94		Parts		35598 25 9		
95		Clay products forming equipment (brick, tile, ceramic, etc.)		35598 27 5		
96		Parts for clay products forming equipment		35598 29 1		
97	CONCRETE PRODUCTS FORMING EQUIPMENT	Concrete block equipment	35598 31 7			
98		Other concrete products equipment	35598 35 8			
99		Parts for concrete products forming equipment	35598 36 6			
100	Cement making machinery		35598 39 0			
101	Parts for cement making machinery		35598 41 6			
102	Glass making machinery and equipment including machines for hot-working glass or glassware		35598 43 2			
103	Parts for glass making machinery and equipment		35598 45 7			
104	Cotton ginning machinery		35598 53 1			
105	Parts for cotton ginning machinery		35598 55 6			
106	Fuel-fired kilns for cement, wood, and chemical processing and parts thereof		35598 58 0			
107	Electroplating equipment (except rolling mill lines)		35598 61 4			
108	Parts for electroplating equipment		35598 63 0			
109	METAL FINISHING EQUIPMENT (Except electroplating and rolling mill)	Vibratory finishing machines	35598 65 5			
110		Plating equipment	35598 67 1			
111		Other equipment	35598 69 7			
112		Parts for metal finishing equipment	35598 71 3			
113	Metal degreasing machines and parts thereof		35598 74 7			
114	Distilling or rectifying equipment for desalinization		35598 75 4			
115	Heat exchange units for desalinization		35598 77 0			
116	Filtering or purifying machinery and apparatus for desalinization		35598 79 6			
117	Other desalinization equipment		35598 81 2			
118	(Continued on next page)	Parts of desalinization equipment	35598 83 8			

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code	Products shipped and other receipts			
					Value, f.o.b. plant (E)			
	(A)			(B)	584	Thou-	Dollars	
				Millions	sands			
119	Special Industry Machinery and Equipment, Not Elsewhere Classified (35598) – Continued	Footwear manufacturing or repairing machinery and parts thereof (except shoe sole stitching machines)		35598 85 3	\$			
120		INDUSTRIAL SEWING MACHINES AND MACHINERY (Including shoe sole stitching machines)	Industrial sewing machines, heads	35598 86 1				
121			Industrial sewing machinery	Automatic	35598 87 9			
122				Nonautomatic	35598 92 9			
123		Furniture and other parts and attachments for industrial sewing machines		35598 93 7				
124		Machines for insulating electrical wire or cable and parts thereof		35598 91 1				
125		Electric battery manufacturing machinery		35598 96 0				
126		Parts for battery making machinery		35598 97 8				
127		Special industry machinery and parts, not elsewhere classified		35598 99 4				
128		Filters for Fluid Power Systems (Hydraulic and Pneumatic)	NON-AEROSPACE	Hydraulic (corresponds to the sum of survey item codes 3301–3309 as reported on CIR form MA35N, Fluid Power Products, for 1997) (35694)*	35694 00 9			
129	Pneumatic (corresponds to the sum of survey item codes 3311–3323 as reported on CIR form MA35N, Fluid Power Products, for 1997) (35695)*			35695 00 6				
130	Aerospace type (hydraulic and pneumatic) (corresponds to the sum of survey item codes 3325–3327 as reported on CIR form MA35N, Fluid Power Products, for 1997) (35696)*		35696 00 4					
131	Filters and Strainers (Including Purification, Clarification, and Solids Removal; Excluding Internal Combustion Engine Filters, Dust Collection, and Air Purification Equipment, Air Filters for Comfort Heating and Air-Conditioning Equipment, Mining Screens, and Fluid Power Filters)	CONTAINMENT (HOUSING DEVICES)	For water	35693 04 3				
132			For other fluids	35693 08 4				
133		MEDIA	Reusable (cleanable)	35693 11 8				
134			Nonreusable (including disposable (throw away) litter cartridges)	35693 12 6				
135		Parts and accessories sold separately		35693 89 4				
136	ASSEMBLY MACHINES (35492)	Rotary transfer (dial or rotary, trunnion, center column)		35492 11 5				
137		In-line transfer, synchronous		35492 15 6				
138		In-line transfer, nonsynchronous		35492 17 2				
139		Special-purpose and other types		35492 13 1				
140	Industrial robots, attachments and parts			35699 09 9				
141	General Industrial Equipment, Not Elsewhere Classified (Report parts on line 162)	Gas generating equipment		35699 01 6				
142		Gas separating equipment		35699 03 2				
143		(Continued on next page)	Steam and vapor separators		35699 05 7			

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued								
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code	Products shipped and other receipts			
					Value, f.o.b. plant (E)			
	(A)	(B)	581	584	Millions	Thou-sands	Dollars	
144	General Industrial Equipment, Not Elsewhere Classified – Continued	COMPRESSED AIR AND GAS DRYERS	Compressed air and gas dryers (including refrigerated, desiccant, and delinquent)	35699 45 3	\$			
145			Mixers for industrial processes, solids or liquids	35699 11 5				
146			Lubricating systems, industrial, centralized and automatic	35699 00 8				
147			Sifting and screening machines	35699 15 6				
148			Presses, metal baling	35699 17 2				
149			Centrifugals and separators (except cream, grain, and berry)	35699 21 4				
150			Automatic fire sprinklers	35699 23 0				
151			Chemical fire-extinguishing equipment and parts (39991)	39991 00 5				
152			Hydraulic jacks	35699 27 1				
153			Screwjacks (except automotive)	35699 31 3				
154			MACHINES FOR LIQUEFYING AIR OR GAS	Complete units	35591 07 2			
155				Parts	35591 13 0			
156			Other general industrial machinery, n.e.c.		35699 48 7			
157			Parts for general industrial equipment, n.e.c.		35699 52 9			
158	Packaging machinery, including wrapping and bottling machinery			35651 00 9				
159	Parts for packaging machinery			35652 00 7				
160	Fluid power pumps and motors and parts (corresponds to the sum of survey item codes 5504–5597 as reported on CIR form MA35N, Fluid Power Products, for 1997) (35940)*			35940 00 6				
161	Fluid power cylinders and actuators (corresponds to the sum of survey item codes 4501–4893 as reported on CIR form MA35N, Fluid Power Products, for 1997) (35930)*			35930 00 7				
162	Metalworking presses (except forging and die-stamping presses) (corresponds to the sum of survey item codes 5409–6321 as reported on CIR form MQ35W, Metalworking Machinery, for 1997) (35422)*			35422 00 5				
163	Industrial molds and mold boxes (35442)			35442 00 3				
164	Other Metalworking Machinery, (Except handheld and ultrasonic)	MACHINES FOR WEAVING AND OTHER WIRE FABRICATING AND WIRE-DRAWING MACHINES AND DRAW BENCHES	Draw benches and wiredrawing machines (except dies)	35495 01 9				
165				Wire rope or wire cable making machines	35495 02 7			
166				Other machines for working wire – <i>Specify kind</i>				
167		COIL HANDLING EQUIPMENT (CONVERSION OR STRAIGHTENING)	Cut-to-length lines	35495 43 1				
168				Slitting lines	35495 45 6			
169		Soldering equipment (except hand and ultrasonic)		35485 07 7				
170		Other metalworking machinery – <i>Specify kind</i>						
				35495 92 8				
171		Parts and attachments for other metalworking machinery (sold separately)			35495 95 1			

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

Line No.	Products and services (A)	Census product code (B)	Products shipped and other receipts		
			Value, f.o.b. plant (E)		
			584 Millions	Thou- sands	Dollars
172	Commercial food products machinery (except packaging machinery and food cooking and warming equipment)	35562 00 8	\$		
173	Paper industries machinery	35543 00 8			
174	Parts for pulp mill, paper mill, and paper converting machinery and equipment, sold separately	35544 00 6			
175	Sewage treatment equipment	35892 00 9			
176	Receipts for machine shop job work and job order repair (35995)	35995 00 0			
177	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.</i>	18			
178		26			
179		34			
180		42			
181		59			
182		67			
183		75			
184	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			
185	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8		
186		Receipts for installation (or construction) of products of this establishment	99980 31 0		
187		Receipts for repair work	99980 61 7		
188		Other miscellaneous receipts	99980 98 9		
189	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			
190	TOTAL value of shipments and other receipts Sum of lines 1–189, column (E)	77000 00 8	\$		

CONTINUE WITH ITEM 19 ON PAGE 14

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

INSTRUCTIONS

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

Line No.	Item (A)	Census code (B)	Was this operation performed at this establishment during 1997?		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment (E)
			(C)			
			591	592		
1	Ferrous foundries	1001 7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons	
2	NONFERROUS FOUNDRIES (Except die-casting)	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds	
3		1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
4		1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5		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	
667	1		2			
Name of company			Address (<i>Number and street, city, State, ZIP Code</i>)			
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
	666	1		2		
Signature of authorized person			Title		Date	