

Table 1A. U.S. Manufacturers' Value of Shipments¹ - Total and E-commerce: 1999

[Shipments are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures. Measures of sampling variability for these estimates are provided in Table 1B.]

NAICS Code	Description	Value of Shipments		E-commerce as Percent of Total Value of Shipments	Percent Distribution of E-commerce Shipments
		Total	E-commerce		
	Total Manufacturing	4,038,109	485,283	12.0	100.0
311	Food products	429,053	37,548	8.8	7.7
312	Beverage and tobacco	107,437	8,998	8.4	1.9
313	Textile mills	54,854	4,819	8.8	1.0
314	Textile product mills	32,642	4,896	15.0	1.0
315	Apparel	62,798	11,376	18.1	2.3
316	Leather and allied products	9,673	1,775	18.3	0.4
321	Wood products	97,583	3,373	3.5	0.7
322	Paper	157,491	13,412	8.5	2.8
323	Printing and related support activities	102,404	6,422	6.3	1.3
324	Petroleum and coal products	168,096	6,530	3.9	1.3
325	Chemicals	419,674	42,891	10.2	8.8
326	Plastics and rubber products	172,397	22,876	13.3	4.7
327	Nonmetallic mineral products	97,498	(S)	(S)	(S)
331	Primary metals	158,102	12,940	8.2	2.7
332	Fabricated metal products	256,899	28,109	10.9	5.8
333	Machinery	277,117	39,942	14.4	8.2
334	Computer and electronic products	458,485	46,876	10.2	9.7
335	Electrical equipment, appliances, and components	119,792	23,671	19.8	4.9
336	Transportation equipment	675,122	140,259	20.8	28.9
337	Furniture and related products	72,752	6,229	8.6	1.3
339	Miscellaneous	108,238	10,584	9.8	2.2

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the Census Bureau.

Note: Detail may not add to total due to independent rounding.

¹ Includes data only for manufacturing plants with paid employees.

Table 1B. Measures of Sampling Variability - U.S. Manufacturers' Value of Shipments¹ - Total and E-commerce: 1999

[Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures. Measures of sampling variability are for estimates in Table 1A.]

NAICS Code	Description	Coefficient of Variation (%) For Value of Shipments		Standard Error for Estimates of:	
		Total	E-commerce	E-commerce as Percent of Total Value of Shipments	Percent Distribution of E-commerce Value of Shipments
	Total Manufacturing	0.1	2.8	0.4	(NA)
311	Food products	0.3	3.7	0.3	0.3
312	Beverage and tobacco	0.5	1.7	0.2	0.1
313	Textile mills	1.2	5.3	0.5	0.1
314	Textile product mills	1.1	2.5	0.5	(Z)
315	Apparel	1.1	8.5	1.6	0.2
316	Leather and allied products	1.3	1.5	0.6	(Z)
321	Wood products	0.6	2.8	0.1	(Z)
322	Paper	0.3	1.6	0.1	0.1
323	Printing and related support activities	0.8	4.2	0.3	0.1
324	Petroleum and coal products	0.7	0.4	0.1	(Z)
325	Chemicals	0.4	3.9	0.4	0.4
326	Plastics and rubber products	0.5	6.7	1.0	0.3
327	Nonmetallic mineral products	0.6	(S)	(S)	(S)
331	Primary metals	0.3	1.7	0.1	0.1
332	Fabricated metal products	0.4	13.5	1.6	0.8
333	Machinery	0.4	9.8	1.5	0.8
334	Computer and electronic products	0.4	20.4	2.3	1.8
335	Electrical equipment, appliances, and components	0.6	17.1	3.7	0.8
336	Transportation equipment	0.3	2.1	0.4	0.9
337	Furniture and related products	1.1	3.0	0.3	0.1
339	Miscellaneous	0.8	2.8	0.4	0.1

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from this table by subtraction should be used with caution and not be attributed to the Census Bureau.

(NA) Not available.

(Z) Percent is less than 0.05%

¹ Includes data only for manufacturing plants with paid employees.

Table 2A. U.S. Manufacturers' Cost of Materials¹ - Total and Online: 1999

[Cost of materials are in millions of dollars. Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures. Measures of sampling variability for these estimates are provided in Table 2B.]

NAICS Code	Description	Cost of Materials		Purchased Online as Percent of Total Cost of materials	Percent Distribution of Cost of Materials Purchased Online
		Total	Purchased Online		
	Total Manufacturing	2,079,523	230,914	11.1	100.0
311	Food products	251,736	11,163	4.4	4.8
312	Beverage and tobacco	38,940	3,365	8.6	1.5
313	Textile mills	31,895	1,576	4.9	0.7
314	Textile product mills	18,548	912	4.9	0.4
315	Apparel	32,403	1,358	4.2	0.6
316	Leather and allied products	5,145	105	2.0	(Z)
321	Wood products	59,516	1,954	3.3	0.8
322	Paper	82,836	3,596	4.3	1.6
323	Printing and related support activities	40,029	1,764	4.4	0.8
324	Petroleum and coal products	127,147	11,595	9.1	5.0
325	Chemicals	192,190	17,608	9.2	7.6
326	Plastics and rubber products	81,488	4,121	5.1	1.8
327	Nonmetallic mineral products	41,191	1,865	4.5	0.8
331	Primary metals	91,149	4,683	5.1	2.0
332	Fabricated metal products	114,654	4,660	4.1	2.0
333	Machinery	137,903	16,828	12.2	7.3
334	Computer and electronic products	193,022	23,182	12.0	10.0
335	Electrical equipment, appliances, and components	59,137	6,012	10.2	2.6
336	Transportation equipment	405,442	111,732	27.6	48.4
337	Furniture and related products	32,848	1,265	3.9	0.5
339	Miscellaneous	42,304	1,569	3.7	0.7

(Z) Percent is less than 0.05%.

Note: Detail may not add to total due to independent rounding.

¹ Includes data only for manufacturing plants with paid employees.

Table 2B. Measures of Sampling Variability - U.S. Manufacturers' Cost of Materials¹ - Total and Online: 1999

[Data are based on the North American Industry Classification System (NAICS) and reflect coverage in the Annual Survey of Manufactures. Measures of sampling variability are for estimates in Table 2A.]

NAICS Code	Description	Coefficient of Variation (%) For Cost of Materials		Standard Error for Estimates of:	
		Total	Purchased Online	Purchased Online as Percent of Total Cost of Materials	Percent Distribution of Cost of Materials Purchased Online
	Total Manufacturing	0.1	1.4	0.2	(NA)
311	Food products	0.4	6.0	0.3	0.3
312	Beverage and tobacco	1.1	13.0	1.1	0.2
313	Textile mills	1.5	4.2	0.2	(Z)
314	Textile product mills	1.0	2.7	0.2	(Z)
315	Apparel	1.0	11.9	0.6	0.1
316	Leather and allied products	1.5	4.0	0.1	(Z)
321	Wood products	0.6	12.0	0.4	0.1
322	Paper	0.4	12.7	0.6	0.2
323	Printing and related support activities	1.2	13.4	0.7	0.1
324	Petroleum and coal products	0.7	1.4	0.2	0.1
325	Chemicals	0.4	7.5	0.7	0.5
326	Plastics and rubber products	0.7	15.3	0.9	0.3
327	Nonmetallic mineral products	0.8	11.5	0.6	0.1
331	Primary metals	0.3	1.7	0.1	(Z)
332	Fabricated metal products	0.5	8.5	0.4	0.2
333	Machinery	0.5	2.6	0.4	0.2
334	Computer and electronic products	0.5	6.1	0.8	0.6
335	Electrical equipment, appliances, and components	0.8	7.4	0.8	0.2
336	Transportation equipment	0.3	1.9	0.6	0.7
337	Furniture and related products	1.6	3.1	0.1	(Z)
339	Miscellaneous	1.1	5.7	0.2	(Z)

(NA) Not available.

(Z) Percent is less than 0.05%

¹ Includes data only for manufacturing plants with paid employees.

Table 3A. Network Use in 2000 for Responding Manufacturing Plants
Number of Plants in 2000 and Associated 1999 Employment

[Employment in thousands]

NAICS Code	Description	Total	No Network	One or More Networks	Number of Networks		Unknown
					One	Two or More	
	Total Respondents	38,985	348	34,024	8,418	25,606	4,613
	Total Employment	8,034	34	7,713	869	6,845	287
311	Food products	3,430	50	2,916	725	2,191	464
	Employment	806	9	755	125	630	42
312	Beverage and tobacco	410	2	367	88	279	41
	Employment	90	(D)	86	11	75	(D)
313	Textile mills	766	6	679	161	518	81
	Employment	204	1	192	27	165	11
314	Textile product mills	492	9	397	124	273	86
	Employment	91	1	85	13	72	5
315	Apparel	905	15	675	224	451	215
	Employment	171	1	154	33	121	15
316	Leather and allied products	179	1	147	55	92	31
	Employment	34	(D)	32	7	25	(D)
321	Wood products	2,142	23	1,611	598	1,013	508
	Employment	273	2	240	64	176	31
322	Paper	1,627	8	1,524	260	1,264	95
	Employment	331	1	322	30	292	9
323	Printing and related support activities	2,129	21	1,897	494	1,403	211
	Employment	260	3	250	25	225	7
324	Petroleum and coal products	577	9	425	116	309	143
	Employment	66	(S)	63	4	59	(S)

**Table 3A (continued). Network Use in 2000 for Responding Manufacturing Plants
Number of Plants in 2000 and Associated 1999 Employment**

NAICS Code	Description	Total	No Network	One or More Networks	Number of Networks		Unknown
					One	Two or More	
325	Chemicals	2,639	17	2,464	430	2,034	158
	Employment	484	1	477	27	449	7
326	Plastics and rubber products	2,719	17	2,457	553	1,904	245
	Employment	506	1	490	65	424	15
327	Nonmetallic mineral products	2,099	31	1,583	564	1,019	485
	Employment	240	2	220	41	178	19
331	Primary metals	1,266	13	1,163	217	946	90
	Employment	370	2	360	30	330	9
332	Fabricated metal products	5,762	52	4,983	1,513	3,470	727
	Employment	703	3	669	112	558	30
333	Machinery	3,827	20	3,548	817	2,731	259
	Employment	713	2	695	62	633	16
334	Computer and electronic products	1,924	9	1,851	233	1,618	64
	Employment	683	2	673	29	644	8
335	Electrical equipment, appliances,	1,113	7	1,054	159	895	52
	Employment	338	(S)	329	22	308	(S)
336	Transportation equipment	1,778	8	1,674	236	1,438	96
	Employment	1,091	(D)	1,074	56	1,019	(D)
337	Furniture and related products	1,351	13	1,057	377	680	281
	Employment	276	1	256	45	211	19
339	Miscellaneous	1,850	17	1,552	474	1,078	281
	Employment	304	1	291	37	254	12

(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau.

Note: Detail may not add to total due to independent rounding.

**Table 3B. Network Use in 2000 for Responding Manufacturing Plants
Percent of Plants in 2000 and Associated 1999 Employment**

NAICS Code	Description	Total	No Network	One or More Networks	Number of Networks		Unknown
					One	Two or More	
	Total Respondents	100.0	0.9	87.3	21.6	65.7	11.8
	Total Employment	100.0	0.4	96.0	10.8	85.2	3.6
311	Food products	100.0	1.5	85.0	21.1	63.9	13.5
	Employment	100.0	1.1	93.7	15.5	78.1	5.2
312	Beverage and tobacco	100.0	0.5	89.5	21.5	68.0	10.0
	Employment	100.0	(D)	95.5	12.7	82.8	(D)
313	Textile mills	100.0	0.8	88.6	21.0	67.6	10.6
	Employment	100.0	0.3	94.2	13.4	80.8	5.5
314	Textile product mills	100.0	1.8	80.7	25.2	55.5	17.5
	Employment	100.0	1.2	93.5	14.4	79.0	5.3
315	Apparel	100.0	1.7	74.6	24.8	49.8	23.8
	Employment	100.0	0.8	90.5	19.4	71.1	8.7
316	Leather and allied products	100.0	0.6	82.1	30.7	51.4	17.3
	Employment	100.0	(D)	93.6	21.7	71.9	(D)
321	Wood products	100.0	1.1	75.2	27.9	47.3	23.7
	Employment	100.0	0.7	87.9	23.5	64.3	11.5
322	Paper	100.0	0.5	93.7	16.0	77.7	5.8
	Employment	100.0	0.2	97.2	9.2	88.0	2.6
323	Printing and related support activities	100.0	1.0	89.1	23.2	65.9	9.9
	Employment	100.0	1.1	96.2	9.5	86.7	2.7
324	Petroleum and coal products	100.0	1.6	73.7	20.1	53.6	24.8
	Employment	100.0	(S)	94.7	6.4	88.3	(S)

**Table 3B (continued). Network Use in 2000 for Responding Manufacturing Plants
Percent of Plants in 2000 and Associated 1999 Employment**

NAICS Code	Description	Total	No Network	One or More Networks	Number of Networks		Unknown
					One	Two or More	
325	Chemicals	100.0	0.6	93.4	16.3	77.1	6.0
	Employment	100.0	0.2	98.4	5.6	92.8	1.4
326	Plastics and rubber products	100.0	0.6	90.4	20.3	70.0	9.0
	Employment	100.0	0.3	96.8	12.9	83.9	2.9
327	Nonmetallic mineral products	100.0	1.5	75.4	26.9	48.5	23.1
	Employment	100.0	0.7	91.5	17.3	74.3	7.7
331	Primary metals	100.0	1.0	91.9	17.1	74.7	7.1
	Employment	100.0	0.4	97.2	8.2	89.0	2.4
332	Fabricated metal products	100.0	0.9	86.5	26.3	60.2	12.6
	Employment	100.0	0.5	95.3	15.9	79.4	4.3
333	Machinery	100.0	0.5	92.7	21.3	71.4	6.8
	Employment	100.0	0.2	97.5	8.7	88.8	2.2
334	Computer and electronic products	100.0	0.5	96.2	12.1	84.1	3.3
	Employment	100.0	0.3	98.6	4.3	94.3	1.2
335	Electrical equipment, appliances,	100.0	0.6	94.7	14.3	80.4	4.7
	Employment	100.0	(S)	97.6	6.4	91.2	(S)
336	Transportation equipment	100.0	0.4	94.2	13.3	80.9	5.4
	Employment	100.0	(D)	98.4	5.1	93.3	(D)
337	Furniture and related products	100.0	1.0	78.2	27.9	50.3	20.8
	Employment	100.0	0.5	92.7	16.4	76.3	6.8
339	Miscellaneous	100.0	0.9	83.9	25.6	58.3	15.2
	Employment	100.0	0.2	95.8	12.2	83.6	4.0

(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau.

Note: Detail may not add to total due to independent rounding.

Table 4A. Most Frequently Used Network to Accept Orders in 2000 for Responding Manufacturing Plants That Accept Orders Online
Number of Plants and Associated 1999 E-commerce Shipments

[E-commerce shipments in millions of dollars]

Accepts Orders Online	Total	Internet	Intranet	EDI Network	Extranet	Other	Unknown
Total Respondents	38,985	4,185	865	6,621	159	613	26,542
E-commerce Shipments	393,780	21,091	65,868	260,044	6,814	31,864	8,100
DO accept orders online:	12,069	3,906	810	6,435	146	321	451
E-commerce shipments	385,751	19,298	65,026	256,979	6,784	31,094	6,571
DO NOT accept orders online:	26,462	247	47	149	11	280	25,728
E-commerce shipments	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Orders online unknown:	454	32	8	37	2	12	363
E-commerce shipments	2,850	1,224	222	981	7	167	249

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau.

Note: All respondents were instructed to choose only one network as the most frequently used network. All e-commerce shipments were assigned to that network. Detail may not add to total due to independent rounding.

Table 4B. Most Frequently Used Network to Accept Orders in 2000 for Responding Manufacturing Plants That Accept Orders Online
Percent of Plants and of Associated 1999 E-commerce Shipments

Accepts Orders Online	Total	Internet	EDI Network	All Other Networks	Unknown
DO accept orders online:	100.0	32.4	53.3	10.6	3.7
E-commerce shipments	100.0	5.0	66.6	26.7	1.7

Note: All respondents were instructed to choose only one network as the most frequently used network. All e-commerce shipments were assigned to that network. Detail may not add to total due to independent rounding.

Table 5A. Most Frequently Used Network to Place Orders in 2000 for Responding Manufacturing Plants That Place Orders Online
Number of Plants and Associated 1999 Online Purchases
 [Online Purchases in millions of dollars]

Place Orders Online	Total	Internet	Intranet	EDI Network	Extranet	Other	Unknown
Total Respondents	38,985	10,141	938	1,963	146	576	25,221
Online Purchases	197,762	26,875	23,733	127,427	2,533	10,054	7,141
DO place orders online:	13,233	9,631	874	1,855	136	206	531
Online purchases	195,786	26,392	23,510	126,845	2,525	9,919	6,594
DO NOT place orders online:	25,237	402	51	95	7	350	24,332
Online purchases	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Orders online unknown:	515	108	13	13	3	20	358
Online purchases	799	242	121	309	8	14	106

(S) Data do not meet publication standards because of high sampling variability or poor response quality. Unpublished estimates derived from table by subtraction should be used with caution and not be attributed to the U.S. Census Bureau.

Note: All respondents were instructed to choose only one network as the most frequently used network. All e-commerce shipments were assigned to that network. Detail may not add to total due to independent rounding.

Table 5B. Most Frequently Used Network to Place Orders in 2000 for Responding Manufacturing Plants That Place Orders Online
Percent of Plants and of Associated 1999 Online Purchases

Place Orders Online	Total	Internet	EDI Network	All Other Networks	Unknown
DO place orders online:	100.0	72.8	14.0	9.2	4.0
Online purchases	100.0	13.5	64.8	18.4	3.4

Note: All respondents were instructed to choose only one network as the most frequently used network. All e-commerce shipments were assigned to that network. Detail may not add to total due to independent rounding.

**Table 6A. Internet Access and Degree of Access in 2000 for Responding Manufacturing Plants
Number of Plants**

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total ¹	Total with Access	Percent of Employees at Plant with Internet Access				No Access	Unknown
			1 to 25	26 to 50	51 to 75	Over 75		
Total	38,985	32,711	22,661	5,156	1,431	3,463	5,553	721
Multi-units²	25,338	22,396	15,228	3,547	1,030	2,591	2,493	449
Single-units³	13,647	10,315	7,433	1,609	401	872	3,060	272
311, Food products	3,430	2,750	2,278	276	55	141	609	71
Multi-units	2,764	2,330	1,929	234	43	124	378	56
Single-units	666	420	349	42	12	17	231	15
312, Beverage and tobacco	410	347	252	45	24	26	49	14
Multi-units	334	290	219	37	14	20	32	12
Single-units	76	57	33	8	10	6	17	2
313, Textile mills	766	622	533	59	14	16	126	18
Multi-units	587	503	436	46	(D)	(D)	73	11
Single-units	179	119	97	13	(D)	(D)	53	7
314, Textile product mills	492	380	315	39	9	17	103	9
Multi-units	276	235	204	(D)	(D)	(D)	36	5
Single-units	216	145	111	(D)	(D)	(D)	67	4
315, Apparel	905	632	510	61	31	30	250	23
Multi-units	473	363	302	33	14	14	98	12
Single-units	432	269	208	28	17	16	152	11
316, Leather and allied products	179	144	112	16	7	9	32	3
Multi-units	103	89	69	(D)	(D)	(D)	11	3
Single-units	76	55	43	(D)	(D)	(D)	21	0
321, Wood products	2,142	1,523	1,401	76	13	33	573	46
Multi-units	1,239	998	918	47	(D)	(D)	217	24
Single-units	903	525	483	29	(D)	(D)	356	22

Table 6A (continued). Internet Access and Degree of Access in 2000 for Responding Manufacturing Plants
Number of Plants

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total ¹	Total with Access	Percent of Employees at Plant with Internet Access				No Access	Unknown
			1 to 25	26 to 50	51 to 75	Over 75		
322, Paper	1,627	1,464	1,159	187	33	85	133	30
Multi-units	1,375	1,268	999	163	(D)	(D)	81	26
Single-units	252	196	160	24	(D)	(D)	52	4
323, Printing and related support activities	2,129	1,854	1,008	450	107	289	236	39
Multi-units	896	832	462	204	42	124	46	18
Single-units	1,233	1,022	546	246	65	165	190	21
324, Petroleum and coal products	577	403	208	87	18	90	166	8
Multi-units	499	357	181	78	(D)	(D)	135	7
Single-units	78	46	27	9	(D)	(D)	31	1
325, Chemicals	2,639	2,360	1,116	465	157	622	234	45
Multi-units	2,310	2,097	970	402	136	589	172	41
Single-units	329	263	146	63	21	33	62	4
326, Plastics and rubber products	2,719	2,342	1,884	270	56	132	336	41
Multi-units	2,002	1,761	1,408	197	41	115	215	26
Single-units	717	581	476	73	15	17	121	15
327, Nonmetallic mineral products	2,099	1,472	1,168	191	38	75	592	35
Multi-units	1,479	1,111	866	156	(D)	(D)	346	22
Single-units	620	361	302	35	(D)	(D)	246	13
331, Primary metals	1,266	1,143	895	153	30	65	106	17
Multi-units	980	912	703	128	(D)	(D)	55	13
Single-units	286	231	192	25	(D)	(D)	51	4
332, Fabricated metal products	5,762	4,829	3,739	680	155	255	830	103
Multi-units	2,793	2,519	1,870	394	98	157	228	46
Single-units	2,969	2,310	1,869	286	57	98	602	57

Table 6A (continued). Internet Access and Degree of Access in 2000 for Responding Manufacturing Plants
Number of Plants

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total ¹	Total with Access	Percent of Employees at Plant with Internet Access				No Access	Unknown
			1 to 25	26 to 50	51 to 75	Over 75		
333, Machinery	3,827	3,472	1,964	813	262	433	291	64
Multi-units	2,216	2,086	1,102	501	193	290	91	39
Single-units	1,611	1,386	862	312	69	143	200	25
334, Computer and electronic products	1,924	1,821	591	397	194	639	74	29
Multi-units	1,337	1,276	363	303	147	463	42	19
Single-units	587	545	228	94	47	176	32	10
335, Electrical equipment, appliances, and components	1,113	1,032	600	211	66	155	66	15
Multi-units	844	805	472	146	55	132	31	8
Single-units	269	227	128	65	11	23	35	7
336, Transportation equipment	1,778	1,622	1,153	263	53	153	122	34
Multi-units	1,376	1,287	877	227	44	139	59	30
Single-units	402	335	276	36	9	14	63	4
337, Furniture and related products	1,351	990	833	100	21	36	321	40
Multi-units	635	544	451	54	(D)	(D)	77	14
Single-units	716	446	382	46	(D)	(D)	244	26
339, Miscellaneous	1,850	1,509	942	317	88	162	304	37
Multi-units	820	733	427	167	58	81	70	17
Single-units	1,030	776	515	150	30	81	234	20

(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

Note: Detail may not add to total due to independent rounding.

¹Includes the following: "Total with access", "No access", and "Unknown".

²Multi-units are plants owned by companies operating at more than one location.

³Single units are companies operating at only one location.

**Table 6B. Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants**

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total¹	Total with Access	No Access	Unknown
Total	100.0	83.9	14.2	1.8
Multi-units²	100.0	88.4	9.8	1.8
Single-units³	100.0	75.6	22.4	2.0
311, Food products	100.0	80.2	17.8	2.1
Multi-units	100.0	84.3	13.7	2.0
Single-units	100.0	63.1	34.7	2.3
312, Beverage and tobacco	100.0	84.6	12.0	3.4
Multi-units	100.0	86.8	9.6	3.6
Single-units	100.0	75.0	22.4	2.6
313, Textile mills	100.0	81.2	16.4	2.3
Multi-units	100.0	85.7	12.4	1.9
Single-units	100.0	66.5	29.6	3.9
314, Textile product mills	100.0	77.2	20.9	1.8
Multi-units	100.0	85.1	13.0	1.8
Single-units	100.0	67.1	31.0	1.9
315, Apparel	100.0	69.8	27.6	2.5
Multi-units	100.0	76.7	20.7	2.5
Single-units	100.0	62.3	35.2	2.5
316, Leather and allied products	100.0	80.4	17.9	1.7
Multi-units	100.0	86.4	10.7	2.9
Single-units	100.0	72.4	27.6	0.0
321, Wood products	100.0	71.1	26.8	2.1
Multi-units	100.0	80.5	17.5	1.9
Single-units	100.0	58.1	39.4	2.4

**Table 6B (continued). Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants**

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total¹	Total with Access	No Access	Unknown
322, Paper	100.0	90.0	8.2	1.8
Multi-units	100.0	92.2	5.9	1.9
Single-units	100.0	77.8	20.6	1.6
323, Printing and related support activities	100.0	87.1	11.1	1.8
Multi-units	100.0	92.9	5.1	2.0
Single-units	100.0	82.9	15.4	1.7
324, Petroleum and coal products	100.0	69.8	28.8	1.4
Multi-units	100.0	71.5	27.1	1.4
Single-units	100.0	59.0	39.7	1.3
325, Chemicals	100.0	89.4	8.9	1.7
Multi-units	100.0	90.8	7.4	1.8
Single-units	100.0	79.9	18.8	1.2
326, Plastics and rubber products	100.0	86.1	12.4	1.5
Multi-units	100.0	88.0	10.7	1.3
Single-units	100.0	81.0	16.9	2.1
327, Nonmetallic mineral products	100.0	70.1	28.2	1.7
Multi-units	100.0	75.1	23.4	1.5
Single-units	100.0	58.2	39.7	2.1
331, Primary metals	100.0	90.3	8.4	1.3
Multi-units	100.0	93.1	5.6	1.3
Single-units	100.0	80.8	17.8	1.4
332, Fabricated metal products	100.0	83.8	14.4	1.8
Multi-units	100.0	90.2	8.2	1.6
Single-units	100.0	77.8	20.3	1.9

**Table 6B (continued). Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants**

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total¹	Total with Access	No Access	Unknown
333, Machinery	100.0	90.7	7.6	1.7
Multi-units	100.0	94.1	4.1	1.8
Single-units	100.0	86.0	12.4	1.6
334, Computer and electronic products	100.0	94.6	3.8	1.5
Multi-units	100.0	95.4	3.1	1.4
Single-units	100.0	92.8	5.5	1.7
335, Electrical equipment, appliances, and components	100.0	92.7	5.9	1.3
Multi-units	100.0	95.4	3.7	0.9
Single-units	100.0	84.4	13.0	2.6
336, Transportation equipment	100.0	91.2	6.9	1.9
Multi-units	100.0	93.5	4.3	2.2
Single-units	100.0	83.3	15.7	1.0
337, Furniture and related products	100.0	73.3	23.8	3.0
Multi-units	100.0	85.7	12.1	2.2
Single-units	100.0	62.3	34.1	3.6
339, Miscellaneous	100.0	81.6	16.4	2.0
Multi-units	100.0	89.4	8.5	2.1
Single-units	100.0	75.3	22.7	1.9

Note: Detail may not add to total due to independent rounding.

¹Includes the following: "Total with access", "No access", and "Unknown".

² Multi-units are plants owned by companies operating at more than one location.

³Single units are companies operating at only one location.

Table 6C. Degree of Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants with Internet Access

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total with Access	Percent of Employees at Plant with Internet Access			
		1 to 25	26 to 50	51 to 75	Over 75
Total	100.0	69.3	15.8	4.4	10.6
Multi-units¹	100.0	68.0	15.8	4.6	11.6
Single-units²	100.0	72.1	15.6	3.9	8.5
311, Food products	100.0	82.8	10.0	2.0	5.1
Multi-units	100.0	82.8	10.0	1.8	5.3
Single-units	100.0	83.1	10.0	2.9	4.0
312, Beverage and tobacco	100.0	72.6	13.0	6.9	7.5
Multi-units	100.0	75.5	12.8	4.8	6.9
Single-units	100.0	57.9	14.0	17.5	10.5
313, Textile mills	100.0	85.7	9.5	2.3	2.6
Multi-units	100.0	86.7	9.1	(D)	(D)
Single-units	100.0	81.5	10.9	(D)	(D)
314, Textile product mills	100.0	82.9	10.3	2.4	4.5
Multi-units	100.0	86.8	(D)	(D)	(D)
Single-units	100.0	76.6	(D)	(D)	(D)
315, Apparel	100.0	80.7	9.7	4.9	4.7
Multi-units	100.0	83.2	9.1	3.9	3.9
Single-units	100.0	77.3	10.4	6.3	5.9
316, Leather and allied products	100.0	77.8	11.1	4.9	6.3
Multi-units	100.0	77.5	(D)	(D)	(D)
Single-units	100.0	78.2	(D)	(D)	(D)
321, Wood products	100.0	92.0	5.0	0.9	2.2
Multi-units	100.0	92.0	4.7	(D)	(D)
Single-units	100.0	92.0	5.5	(D)	(D)

Table 6C (continued). Degree of Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants with Internet Access

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total with Access	Percent of Employees at Plant with Internet Access			
		1 to 25	26 to 50	51 to 75	Over 75
322, Paper	100.0	79.2	12.8	2.3	5.8
Multi-units	100.0	78.8	12.9	(D)	(D)
Single-units	100.0	81.6	12.2	(D)	(D)
323, Printing and related support activities	100.0	54.4	24.3	5.8	15.6
Multi-units	100.0	55.5	24.5	5.0	14.9
Single-units	100.0	53.4	24.1	6.4	16.1
324, Petroleum and coal products	100.0	51.6	21.6	4.5	22.3
Multi-units	100.0	50.7	21.8	(D)	(D)
Single-units	100.0	58.7	19.6	(D)	(D)
325, Chemicals	100.0	47.3	19.7	6.7	26.4
Multi-units	100.0	46.3	19.2	6.5	28.1
Single-units	100.0	55.5	24.0	8.0	12.5
326, Plastics and rubber products	100.0	80.4	11.5	2.4	5.6
Multi-units	100.0	80.0	11.2	2.3	6.5
Single-units	100.0	81.9	12.6	2.6	2.9
327, Nonmetallic mineral products	100.0	79.3	13.0	2.6	5.1
Multi-units	100.0	77.9	14.0	(D)	(D)
Single-units	100.0	83.7	9.7	(D)	(D)
331, Primary metals	100.0	78.3	13.4	2.6	5.7
Multi-units	100.0	77.1	14.0	(D)	(D)
Single-units	100.0	83.1	10.8	(D)	(D)
332, Fabricated metal products	100.0	77.4	14.1	3.2	5.3
Multi-units	100.0	74.2	15.6	3.9	6.2
Single-units	100.0	80.9	12.4	2.5	4.2

Table 6C (continued). Degree of Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants with Internet Access

[Data are based on the North American Industry Classification System (NAICS).]

NAICS and Type of Company Ownership	Total with Access	Percent of Employees at Plant with Internet Access			
		1 to 25	26 to 50	51 to 75	Over 75
333, Machinery	100.0	56.6	23.4	7.5	12.5
Multi-units	100.0	52.8	24.0	9.3	13.9
Single-units	100.0	62.2	22.5	5.0	10.3
334, Computer and electronic products	100.0	32.5	21.8	10.7	35.1
Multi-units	100.0	28.4	23.7	11.5	36.3
Single-units	100.0	41.8	17.2	8.6	32.3
335, Electrical equipment, appliances, and components	100.0	58.1	20.4	6.4	15.0
Multi-units	100.0	58.6	18.1	6.8	16.4
Single-units	100.0	56.4	28.6	4.8	10.1
336, Transportation equipment	100.0	71.1	16.2	3.3	9.4
Multi-units	100.0	68.1	17.6	3.4	10.8
Single-units	100.0	82.4	10.7	2.7	4.2
337, Furniture and related products	100.0	84.1	10.1	2.1	3.6
Multi-units	100.0	82.9	9.9	(D)	(D)
Single-units	100.0	85.7	10.3	(D)	(D)
339, Miscellaneous	100.0	62.4	21.0	5.8	10.7
Multi-units	100.0	58.3	22.8	7.9	11.1
Single-units	100.0	66.4	19.3	3.9	10.4

(D) Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

Note: Detail may not add to total due to independent rounding.

¹ Multi-units are plants owned by companies operating at more than one location.

² Single units are companies operating at only one location.

**Table 7A. Internet Access and Degree of Access in 2000 for Responding Manufacturing Plants
Number of Plants**

[Based on associated 1999 employment.]

Employment Size Class	Total ¹	Total with Access	Percent of Employees at Plant with Internet Access				No Access	Unknown
			1 to 25	26 to 50	51 to 75	Over 75		
Total	38,985	32,711	22,661	5,156	1,431	3,463	5,553	721
Plants with-								
1 - 4 employees	565	266	119	40	11	96	286	13
5 - 9 employees	1,243	648	321	154	27	146	560	35
10 - 19 employees	3,018	1,952	1,219	376	96	261	1,012	54
20 - 49 employees	7,202	5,491	3,917	862	202	510	1,576	135
50 - 99 employees	7,438	6,315	4,639	903	244	529	976	147
100 - 249 employees	10,435	9,548	6,876	1,451	410	811	714	173
250 - 499 employees	5,089	4,789	3,272	758	231	528	214	86
500 - 999 employees	2,455	2,320	1,505	390	124	301	93	42
1,000 - 2,499 employees	865	833	497	147	47	142	16	16
2,500 employees or more	197	184	95	23	14	52	4	9
Employment unknown	478	365	201	52	25	87	102	11

Note: Detail may not add to total due to independent rounding.

¹Includes the following: "Total with access", "No access", and "Unknown".

**Table 7B. Internet Access in 2000 for responding Manufacturing Plants
Percent of Plants**

Employment Size Class	Total	Total with Access	No Access	Unknown
Total	100.0	83.9	14.2	1.9
Plants with -				
1 - 4 employees	100.0	47.1	50.6	2.3
5 - 9 employees	100.0	52.1	45.1	2.8
10 - 19 employees	100.0	64.7	33.5	1.8
20 - 49 employees	100.0	76.2	21.9	1.9
50 - 99 employees	100.0	84.9	13.1	2.0
100 - 249 employees	100.0	91.5	6.8	1.7
250 - 499 employees	100.0	94.1	4.2	1.7
500 - 999 employees	100.0	94.5	3.8	1.7
1,000 - 2,499 employees	100.0	96.3	1.9	1.9
2,500 employees or more	100.0	93.4	2.0	4.6

Note: Detail may not add to total due to independent rounding.

**Table 7C. Degree of Internet Access in 2000 for Responding Manufacturing Plants
Percent of Plants with Internet Access**

Employment Size Class	Total with Access	Percent of Employees at Plant with Internet Access			
		1 to 25	26 to 50	51 to 75	Over 75
Total	100.0	69.3	15.8	4.4	10.6
Plants with-					
1 - 4 employees	100.0	44.7	15.0	4.1	36.1
5 - 9 employees	100.0	49.5	23.8	4.2	22.5
10 - 19 employees	100.0	62.5	19.3	4.9	13.4
20 - 49 employees	100.0	71.3	15.7	3.7	9.3
50 - 99 employees	100.0	73.5	14.3	3.9	8.4
100 - 249 employees	100.0	72.0	15.2	4.3	8.5
250 - 499 employees	100.0	68.3	15.8	4.8	11.0
500 - 999 employees	100.0	64.9	16.8	5.3	13.0
1,000 - 2,499 employees	100.0	59.7	17.7	5.6	17.1
2,500 employees or more	100.0	51.6	12.5	7.6	28.3

Note: Detail may not add to total due to independent rounding.

**Table 8. Internet Access in 2000 for Responding Manufacturing Plants
Number of Plants and Percent of Plants**

Geographic Area	Number of Plants				Percent			
	Total	With Access	No Access	Unknown	Total	With Access	No Access	Unknown
United States	38,985	32,711	5,553	721	100.0	83.9	14.2	1.8
Alabama	745	582	147	16	100.0	78.1	19.7	2.1
Alaska	49	34	13	2	100.0	69.4	26.5	4.1
Arizona	372	313	51	8	100.0	84.1	13.7	2.2
Arkansas	508	431	70	7	100.0	84.8	13.8	1.4
California	3,998	3,300	603	95	100.0	82.5	15.1	2.4
Colorado	373	315	49	9	100.0	84.5	13.1	2.4
Connecticut	564	482	67	15	100.0	85.5	11.9	2.7
District of Columbia	81	64	16	1	100.0	79.0	19.8	1.2
Delaware	10	6	3	1	100.0	60.0	30.0	10.0
Florida	951	763	174	14	100.0	80.2	18.3	1.5
Georgia	1,202	995	183	24	100.0	82.8	15.2	2.0
Hawaii	44	32	12	0	100.0	72.7	27.3	0.0
Idaho	141	117	22	2	100.0	83.0	15.6	1.4
Illinois	2,255	1,895	320	40	100.0	84.0	14.2	1.8
Indiana	1,400	1,230	153	17	100.0	87.9	10.9	1.2
Iowa	580	498	75	7	100.0	85.9	12.9	1.2
Kansas	424	356	60	8	100.0	84.0	14.2	1.9
Kentucky	736	634	88	14	100.0	86.1	12.0	1.9
Louisiana	422	369	46	7	100.0	87.4	10.9	1.7
Maine	154	137	16	1	100.0	89.0	10.4	0.6
Maryland	379	304	68	7	100.0	80.2	17.9	1.8
Massachusetts	885	756	108	21	100.0	85.4	12.2	2.4
Michigan	1,918	1,665	233	20	100.0	86.8	12.1	1.0
Minnesota	1,115	1,001	91	23	100.0	89.8	8.2	2.1
Mississippi	435	357	71	7	100.0	82.1	16.3	1.6
Missouri	873	735	120	18	100.0	84.2	13.7	2.1
Montana	57	48	7	2	100.0	84.2	12.3	3.5
Nebraska	260	214	39	7	100.0	82.3	15.0	2.7
Nevada	126	97	27	2	100.0	77.0	21.4	1.6

**Table 8 (continued). Internet Access in 2000 for Responding Manufacturing Plants
Number of Plants and Percent of Plants**

Geographic Area	Number of Plants				Percent			
	Total	With Access	No Access	Unknown	Total	With Access	No Access	Unknown
New Hampshire	230	194	32	4	100.0	84.3	13.9	1.7
New Jersey	1,018	795	202	21	100.0	78.1	19.8	2.1
New Mexico	86	69	15	2	100.0	80.2	17.4	2.3
New York	1,602	1220	356	26	100.0	76.2	22.2	1.6
North Carolina	1,667	1378	260	29	100.0	82.7	15.6	1.7
North Dakota	63	56	6	1	100.0	88.9	9.5	1.6
Ohio	2,428	2091	298	39	100.0	86.1	12.3	1.6
Oklahoma	419	361	49	9	100.0	86.2	11.7	2.1
Oregon	566	491	62	13	100.0	86.7	11.0	2.3
Pennsylvania	2,148	1822	286	40	100.0	84.8	13.3	1.9
Rhode Island	196	154	40	2	100.0	78.6	20.4	1.0
South Carolina	709	614	81	14	100.0	86.6	11.4	2.0
South Dakota	103	86	16	1	100.0	83.5	15.5	1.0
Tennessee	1,004	856	134	14	100.0	85.3	13.3	1.4
Texas	2,161	1806	311	44	100.0	83.6	14.4	2.0
Utah	260	223	31	6	100.0	85.8	11.9	2.3
Vermont	106	82	19	5	100.0	77.4	17.9	4.7
Virginia	706	603	88	15	100.0	85.4	12.5	2.1
Washington	705	603	90	12	100.0	85.5	12.8	1.7
West Virginia	184	137	40	7	100.0	74.5	21.7	3.8
Wisconsin	1,471	1272	179	20	100.0	86.5	12.2	1.4
Wyoming	36	31	4	1	100.0	86.1	11.1	2.8

Note: Detail may not add to total due to independent rounding.

**Table 9. Value of Shipments for Responding Manufacturing Plants
Total and E-Commerce: 1999**
[Shipments in millions of dollars.]

Employment Size Class	Value of Shipments		E-commerce as Percent of Total Value Shipments	Percent Distribution of E-commerce Shipments
	Total	E-commerce		
Total	2,384,547	393,780	16.5	100.00
Plants with -				
1 - 4 employees	1,004	36	3.6	(Z)
5 - 9 employees	2,699	95	3.5	(Z)
10 - 19 employees	12,019	627	5.2	0.2
20 - 49 employees	62,676	3,728	5.9	0.9
50 - 99 employees	142,431	12,105	8.5	3.1
100 - 249 employees	432,326	47,124	10.9	12.0
250 - 499 employees	472,369	74,641	15.8	19.0
500 - 999 employees	447,843	82,109	18.3	20.9
1,000 - 2,499 employees	425,093	106,520	25.1	27.1
2,500 employees or more	373,886	64,472	17.2	16.4
Employment unknown	12,201	2,323	19.0	0.6

(Z) Percent is less than 0.05%.

Note: Detail may not add to total due to independent rounding.

**Table 10A. Acceptance of Online Payments from Customers in 2000 for Responding Manufacturing Plants
Number of Plants and Associated 1999 Employment**

[Employment in thousands.]

Accept Orders Online	Total	Accept Online Payments From Customers			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Responding Plants					
Total	38,985	4,307	8,103	21,161	5,414
DO accept orders online	12,069	3,118	3,334	5,195	422
DO NOT accept orders online	26,462	1,157	4,718	15,840	4,747
Orders online unknown	454	32	51	126	245
Employment of Responding Plants					
Total	8,034	1,581	2,055	3,887	511
DO accept orders online	3,291	1,182	964	1,046	98
DO NOT accept orders online	4,656	384	1,079	2,817	375
Orders online unknown	87	14	11	23	38

Note: Detail may not add to total due to independent rounding.

**Table 10B. Acceptance of Online Payments from Customers in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Accept Orders Online	Total	Accept Online Payments From Customers			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	11.0	20.8	54.3	13.9
DO accept orders online	31.0	8.0	8.6	13.3	1.1
DO NOT accept orders online	67.9	3.0	12.1	40.6	12.2
Orders online unknown	1.2	0.1	0.1	0.3	0.6
Percent of Employment of Responding Plants					
Total	100.0	19.7	25.6	48.4	6.4
DO accept orders online	41.0	14.7	12.0	13.0	1.2
DO NOT accept orders online	58.0	4.8	13.4	35.1	4.7
Orders online unknown	1.1	0.2	0.1	0.3	0.5

Note: Detail may not add to total due to independent rounding.

**Table 10C. Acceptance of Online Payments from Customers in 2000 for Responding Manufacturing Plants
Percent of Plants and of Associated 1999 Employment**

Accept Orders Online	Total	Accept Online Payments From Customers			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	11.0	20.8	54.3	13.9
DO accept orders online	100.0	25.8	27.6	43.0	3.5
DO NOT accept orders online	100.0	4.4	17.8	59.9	17.9
Orders online unknown	100.0	7.0	11.2	27.8	54.0
Percent of Employment of Responding Plants					
Total	100.0	19.7	25.6	48.4	6.4
DO accept orders online	100.0	35.9	29.3	31.8	3.0
DO NOT accept orders online	100.0	8.2	23.2	60.5	8.1
Orders online unknown	100.0	16.4	12.7	27.1	43.7

Note: Detail may not add to total due to independent rounding.

**Table 10D. Acceptance of Online Payments from Customers in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated 1999 Employment**

Accept Orders Online	Total	Accept Online Payments From Customers		
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02
Percent of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO accept orders online	31.0	72.4	41.1	24.5
DO NOT accept orders online	67.9	26.9	58.2	74.9
Orders online unknown	1.2	0.7	0.6	0.6
Percent of Employment of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO accept orders online	41.0	74.8	46.9	26.9
DO NOT accept orders online	58.0	24.3	52.5	72.5
Orders online unknown	1.1	0.9	0.5	0.6

Note: Detail may not add to total due to independent rounding.

**Table 11A. Providing Online Customer Support in 2000 for Responding Manufacturing Plants
Number of Plants and Associated 1999 Employment**

[Employment in thousands.]

Accept Orders Online	Total	Provide Online Customer Support			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Responding Plants					
Total	38,985	7,474	10,948	15,302	5,261
DO accept orders online	12,069	4,270	3,873	3,556	370
DO NOT accept orders online	26,462	3,152	7,012	11,646	4,652
Orders online unknown	454	52	63	100	239
Employment of Responding Plants					
Total	8,034	2,083	2,614	2,851	485
DO accept orders online	3,291	1,315	1,106	782	88
DO NOT accept orders online	4,656	753	1,491	2,052	359
Orders online unknown	87	15	16	17	38

Note: Detail may not add to total due to independent rounding.

**Table 11B. Providing Online Customer Support in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Accept Orders Online	Total	Provide Online Customer Support			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	19.2	28.1	39.3	13.5
DO accept orders online	31.0	11.0	9.9	9.1	0.9
DO NOT accept orders online	67.9	8.1	18.0	29.9	11.9
Orders online unknown	1.2	0.1	0.2	0.3	0.6
Percent of Employment of Responding Plants					
Total	100.0	25.9	32.5	35.5	6.0
DO accept orders online	41.0	16.4	13.8	9.7	1.1
DO NOT accept orders online	58.0	9.4	18.6	25.5	4.5
Orders online unknown	1.1	0.2	0.2	0.2	0.5

Note: Detail may not add to total due to independent rounding.

**Table 11C. Providing Online Customer Support in 2000 for Responding Manufacturing Plants
Percent of Plants and of Associated 1999 Employment**

Accept Orders Online	Total	Provide Online Customer Support			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	19.2	28.1	39.3	13.5
DO accept orders online	100.0	35.4	32.1	29.5	3.1
DO NOT accept orders online	100.0	11.9	26.5	44.0	17.6
Orders online unknown	100.0	11.5	13.9	22.0	52.6
Percent of Employment of Responding Plants					
Total	100.0	25.9	32.5	35.5	6.0
DO accept orders online	100.0	39.9	33.6	23.7	2.7
DO NOT accept orders online	100.0	16.2	32.0	44.1	7.7
Orders online unknown	100.0	17.6	18.9	20.0	43.5

Note: Detail may not add to total due to independent rounding.

**Table 11D. Providing Online Customer Support in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Accept Orders Online	Total	Provide Online Customer Support		
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02
Percent of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO accept orders online	31.0	57.1	35.4	23.2
DO NOT accept orders online	67.9	42.2	64.0	76.1
Orders online unknown	1.2	0.7	0.6	0.7
Percent of Employment of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO accept orders online	41.0	63.1	42.3	27.4
DO NOT accept orders online	58.0	36.2	57.0	72.0
Orders online unknown	1.1	0.7	0.6	0.6

Note: Detail may not add to total due to independent rounding.

**Table 12 - Cost of Materials for Responding Manufacturing Plants
Total and Purchased Online: 1999**

[Cost of materials in millions of dollars.]

Employment Size Class	Cost of Materials		Purchased Online as Percent of Total Cost of Materials	Percent Distribution of Cost of Materials Purchased Online
	Total	Purchased Online		
Total	1,279,132	197,762	15.5	100.0
Plants with -				
1- 4 employees	479	29	6.1	(Z)
5 - 9 employees	1,485	66	4.4	(Z)
10 - 19 employees	6,501	272	4.2	0.1
20 - 49 employees	35,794	1,536	4.3	0.8
50 - 99 employees	79,283	4,108	5.2	2.1
100 - 249 employees	232,015	12,974	5.6	6.6
250 - 499 employees	250,556	17,728	7.1	9.0
500 - 999 employees	230,069	32,157	14.0	16.3
1,000 - 2,499 employees	230,938	58,682	25.4	29.7
2,500 employees or more	211,455	70,012	33.1	35.4
Employment unknown	557	197	35.4	0.1

(Z) Percent is less than 0.05%.

Note: Detail may not add to total due to independent rounding.

**Table 13A. Use of Online Payment to Vendors in 2000 for Responding Manufacturing Plants
Number of Plants and Associated 1999 Employment**

[Employment in thousands.]

Places Orders Online	Total	Online Payment to Vendors			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Responding Plants					
Total	38,985	3,358	7,244	23,118	5,265
DO place orders online	13,233	2,339	3,286	7,155	453
DO NOT place orders online	25,237	986	3,888	15,757	4,606
Orders online unknown	515	33	70	206	206
Employment of Responding Plants					
Total	8,034	1,478	2,103	3,970	483
DO place orders online	3,871	1,156	1,125	1,472	119
DO NOT place orders online	4,070	314	963	2,462	331
Orders online unknown	93	9	15	37	33

Note: Detail may not add to total due to independent rounding.

**Table 13B. Use of Online Payment to Vendors in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Places Orders Online	Total	Online Payment to Vendors			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	8.6	18.6	59.3	13.5
DO place orders online	33.9	6.0	8.4	18.4	1.2
DO NOT place orders online	64.7	2.5	10.0	40.4	11.8
Orders online unknown	1.3	0.1	0.2	0.5	0.5
Percent of Employment of Responding Plants					
Total	100.0	18.4	26.2	49.4	6.0
DO place orders online	48.2	14.4	14.0	18.3	1.5
DO NOT place orders online	50.7	3.9	12.0	30.6	4.1
Orders online unknown	1.2	0.1	0.2	0.5	0.4

Note: Detail may not add to total due to independent rounding.

**Table 13C. Use of Online Payment to Vendors in 2000 for Responding Manufacturing Plants
Percent of Plants and of Associated 1999 Employment**

Places Orders Online	Total	Online Payment to Vendors			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	8.6	18.6	59.3	13.5
DO place orders online	100.0	17.7	24.8	54.1	3.4
DO NOT place orders online	100.0	3.9	15.4	62.4	18.3
Orders online unknown	100.0	6.4	13.6	40.0	40.0
Percent of Employment of Responding Plants					
Total	100.0	18.4	26.2	49.4	6.0
DO place orders online	100.0	29.9	29.1	38.0	3.1
DO NOT place orders online	100.0	7.7	23.7	60.5	8.1
Orders online unknown	100.0	9.1	16.4	39.3	35.2

Note: Detail may not add to total due to independent rounding.

**Table 13D. Use of Online Payment to Vendors in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Places Orders Online	Total	Online Payment to Vendors		
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02
Percent of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO place orders online	33.9	69.7	45.4	30.9
DO NOT place orders online	64.7	29.4	53.7	68.2
Orders online unknown	1.3	1.0	1.0	0.9
Percent of Employment of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO place orders online	48.2	78.2	53.5	37.1
DO NOT place orders online	50.7	21.2	45.8	62.0
Orders online unknown	1.2	0.6	0.7	0.9

Note: Detail may not add to total due to independent rounding.

**Table 14A. Use of Online Bidding in 2000 for Responding Manufacturing Plants
Number of Plants and Associated 1999 Employment**

[Employment in thousands.]

Places Orders Online	Total	Use of Online Bidding			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Responding Plants					
Total	38,985	2,756	6,420	24,356	5,453
DO place orders online	13,233	1,744	2,834	8,132	523
DO NOT place orders online	25,237	980	3,530	16,018	4,709
Orders online unknown	515	32	56	206	221
Employment of Responding Plants					
Total Employment	8,034	770	1,786	4,926	551
DO place orders online	3,871	576	1,051	2,090	154
DO NOT place orders online	4,070	186	724	2,796	363
Orders online unknown	93	8	11	40	34

Note: Detail may not add to total due to independent rounding.

**Table 14B. Use of Online Bidding in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Places Orders Online	Total	Use of Online Bidding			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	7.1	16.5	62.5	14.0
DO place orders online	33.9	4.5	7.3	20.9	1.3
DO NOT place orders online	64.7	2.5	9.1	41.1	12.1
Orders online unknown	1.3	0.1	0.1	0.5	0.6
Percent of Employment of Responding Plants					
Total Employment	100.0	9.6	22.2	61.3	6.9
DO place orders online	48.2	7.2	13.1	26.0	1.9
DO NOT place orders online	50.7	2.3	9.0	34.8	4.5
Orders online unknown	1.2	0.1	0.1	0.5	0.4

Note: Detail may not add to total due to independent rounding.

**Table 14C. Use of Online Bidding in 2000 for Responding Manufacturing Plants
Percent of Plants and of Associated 1999 Employment**

Places Orders Online	Total	Use of Online Bidding			
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Percent of Responding Plants					
Total	100.0	7.1	16.5	62.5	14.0
DO place orders online	100.0	13.2	21.4	61.5	4.0
DO NOT place orders online	100.0	3.9	14.0	63.5	18.7
Percent of Employment of Responding Plants					
Total Employment	100.0	9.6	22.2	61.3	6.9
DO place orders online	100.0	14.9	27.1	54.0	4.0
DO NOT place orders online	100.0	4.6	17.8	68.7	8.9

Note: Detail may not add to total due to independent rounding.

**Table 14D. Use of Online Bidding in 2000 for Responding Manufacturing Plants
Percent of Total Plants and of Associated Total 1999 Employment**

Places Orders Online	Total	Use of Online Bidding		
		Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02
Percent of Responding Plants				
Total	100.0	100.0	100.0	100.0
DO place orders online	33.9	63.3	44.1	33.4
DO NOT place orders online	64.7	35.6	55.0	65.8
Orders online unknown	1.3	1.2	0.9	0.8
Percent of Employment of Responding Plants				
Total Employment	100.0	100.0	100.0	100.0
DO place orders online	48.2	74.8	58.8	42.4
DO NOT place orders online	50.7	24.2	40.6	56.8
Orders online unknown	1.2	1.1	0.6	0.8

Note: Detail may not add to total due to independent rounding.

**Table 15. External E-mail Communication with Vendors and Customers in 2000
for Responding Manufacturing Plants**

[Employment in thousands.]

E-mail Communication with Vendors and Customers	Total	Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Plants and Associated 1999 Employment					
Total Respondents	38,985	29,948	2,236	2,292	4,509
Employment	8,034	7,242	254	216	323
Percent of Plants and of Associated 1999 Employment					
Total Respondents	100.0	76.8	5.7	5.9	11.6
Employment	100.0	90.1	3.2	2.7	4.0

Note: Detail may not add to total due to independent rounding.

Table 16. Internal E-mail Communication in 2000 for Responding Manufacturing Plants

[Employment in thousands.]

E-mail Communication within Plant	Total	Used in 2000	Plans to Use by 12/02	No Plans to Use by 12/02	Unknown
Number of Plants and Associated 1999 Employment					
Total Respondents	38,985	27,236	2,555	4,551	4,643
Employment	8,034	7,096	288	315	335
Percent of Plants and of Associated 1999 Employment					
Total Respondents	100.0	69.9	6.6	11.7	11.9
Employment	100.0	88.3	3.6	3.9	4.2

Note: Detail may not add to total due to independent rounding.