

Statistics on the Scale of Japanese Packaging Industry in 2016

Value

A) Shipment value of packaging materials and containers **¥ 5,654 bil. (yen)**
Previous year: ¥5,781 bil. (yen)
Ratio to the previous year: 97.8%

B) Production value of packaging machinery **¥ 454 bil. (yen)**
Previous year: ¥ 461 bil. (yen)
Ratio to the previous year: 98.3%

Total (A+B) **¥ 6, 108 bil. (yen)**
Previous year: ¥6,243 bil. (yen)
Ratio to the previous year: 97.8%

Volume

A) Shipment volume of packaging materials and containers **19.01 mil. ton**
Previous year: 18.78 mil. Ton
Ratio to the previous year: 101.3 %

B) Production number of packaging machinery **334,300**
Previous year: 338,700
Ratio to the previous year: 98.7 %

Table 1 The scale of Japanese packaging industry, 2012- 2016

* unit: billion yen

	2012	2013	2014	2015	2016
Value of materials & containers	5,494.3	5,534.4	5,705.1	5,781.4	5,654.3
Ratio to the previous year	95.2%	100.7%	103.1%	101.3%	97.8%
Value of packaging machinery	431.0	440.6	451.3	461.3	453.5
Ratio to the previous year	100.7%	102.2%	102.4%	102.2%	98.3%
Total Value	5,925.4	5,975.0	6,156.4	6,242.7	6,107.8
Ratio to the previous year	95.6%	100.8%	103.0%	101.4%	97.8%

* including estimation value in 2016

Table 2 A rate in scale of the Japanese packaging industry to the nominal GDP.

* unit: billion yen

	G D P (a)	Packaging Indus. (b)	(b) / (a)
2012	494,957	5,925	1.197%
2013	503,176	5,975	1.187%
2014	513,698	6,156	1.198%
2015	530,466	6,243	1.177%
2016	537,289	6,108	1.137%

Table 3 Share of packaging materials in shipment value & volume in 2016

Share in shipment value		Share in shipment volume	
Paper & paper products	41.8 %	Paper & paper products	64.1 %
Plastic products	29.6	Plastic products	19.2
Metal products	16.8	Metal products	7.1
Glass products	2.3	Glass products	6.5
Wooden products	2.4	Wooden products	3.1
Other materials	7.1		
Total	100.0 %	Total	100.0 %

Table 4 Overview of shipment value of packaging materials and containers

Upper column: Shipment value in 100 million yen(¥)

Figures in () shows composed ratio - %

Lower column: Comparison with previous year - %

	2014 final -	2015 final	2016 -(incl. estimate)
Grand Total	57,051 (100.0)	57,814 (100.0)	56,543 (100.0)
	103.1%	101.3%	97.8%
Paper & Paperboard Products	23,166 (40.6)	23,525 (40.6)	23,627 (41.8)
	100.9	101.5	100.4
Plastic Products	17,704 (31.0)	18,055 (31.2)	16,745 (29.6)
	106.4	102.0	92.7
Metal Products	9,352 (16.4)	9,455 (16.3)	9,487 (16.8)
	102.6	101.1	100.3
Glass Products	1,263 (2.2)	1,296 (2.2)	1,282 (2.3)
	101.2	102.6	99.0
Wooden Products	1,394 (2.4)	1,381 (2.4)	1,379 (2.4)
	107.9	99.0	99.9
Miscellaneous Incl. seals, labels, tapes, textile products, cellophanes	4,172 (7.3)	4,102 (7.2)	4,023 (7.1)
	102.1	98.3	98.1

Table 5 Overview of shipment volume of packaging materials and containers

Upper column: Shipment volume in 1000 tons

Figures in () shows composed ratio - %

Lower column: Comparison with previous year - %

	2014 - final -	2015 - final -	2016 (incl. estimate)
Grand Total	18,742 (100.0)	18,776 (100.0)	19,014 (100.0)
	100.5	100.2	101.3
Paper & Paperboard Products	11,912 (63.6)	11,927 (63.5)	12,192 (64.1)
	101.7	100.1	102.2
Plastic Products	3,528 (18.8)	3,638 (19.4)	3,658 (19.2)
	100.4	103.1	100.6
Metal Products	1,462 (7.8)	1,378 (7.3)	1,352 (7.1)
	93.6	94.2	98.2
Glass Products	1,253 (6.7)	1,254 (6.7)	1,232 (6.5)
	99.3	100.0	98.3
Wooden Products	587 (3.1)	581 (3.1)	580 (3.1)
	98.9	99.0	99.8

Table 6 Overview of production number and value of packaging machinery

Production value in 100 million yen(¥)
(); Comparison with previous year %

	2014 -final-		2015 -final-		2016 (incl.estim.)	
	Number	Value	Number	Value	Number	Value
Grand Total	324,357 (91.3)	4,513 (102.4)	338,650 (104.4)	4,613 (102.2)	324,288 (98.7)	4535 (98.3)
1. Packaging & packing machines Total	323,005 (91.3)	4,007 (101.8)	337,206 (104.4)	4,085 (101.9)	332,917 (98.7)	4,029 (98.6)
Unit & inner packaging machine Sub-Total	247,195 (93.2)	3,383 (102.3)	261,963 (106.0)	3,451 (102.0)	262,038 (100.0)	3,428 (99.4)
-Scaling machines	3,908	216	4,106	235	4,218	226
-Filling machines	3,586	426	3,437	362	3,040	384
-Bottling machines	4,969	589	4,300	586	4,356	594
-Canning machines	115	17	109	18	111	18
-Pouch form/filling machines	6,498	614	6,610	643	6,137	688
-Container form/filling machines	271	174	261	190	268	194
-Labeling machines	146,467	139	148,973	125	148,105	124
-Cartoning machines	232	82	163	78	169	83
-Over wrapping machines	14,044	168	11,682	185	9,261	179
-Sealing machines	48,928	170	48,650	143	48,624	147
-Shrink packaging machines	2,821	131	1,778	117	2,102	121
-Vacuum packaging machines	6,399	106	7,032	107	7,595	120
-Others	8,957	552	24,862	663	28,052	550
Outer packaging & packing machines Sub- total	75,810 (85.6)	624 (99.0)	75,243 (99.3)	635 (101.7)	70,879 (94.2)	601 (94.7)
-Case landing machines	549	153	572	163	562	157
-Case gluing machines	51	3	63	5	63	5
-Taping machines	3,617	30	3,183	25	5,651	30
-Strapping machines	52,965	86	43,380	95	36,327	93
-Typing machines	2,904	55	3,023	57	2,952	54
-Boxers	5,031	2	4,888	2	4,989	2
-Uncasers	16	2	15	2	16	2
-Others	10,677	293	20,119	286	20,319	258
2. Bag-making machines Total	987 (89.4)	242 (92.4)	1,022 (103.5)	252 (104.0)	1,016 (99.4)	252 (100.2)
3. Paper & paperboard converting machines Total	365 (115.5)	264 (126.9)	422 (115.6)	276 (104.9)	355 (84.1)	254 (92.0)