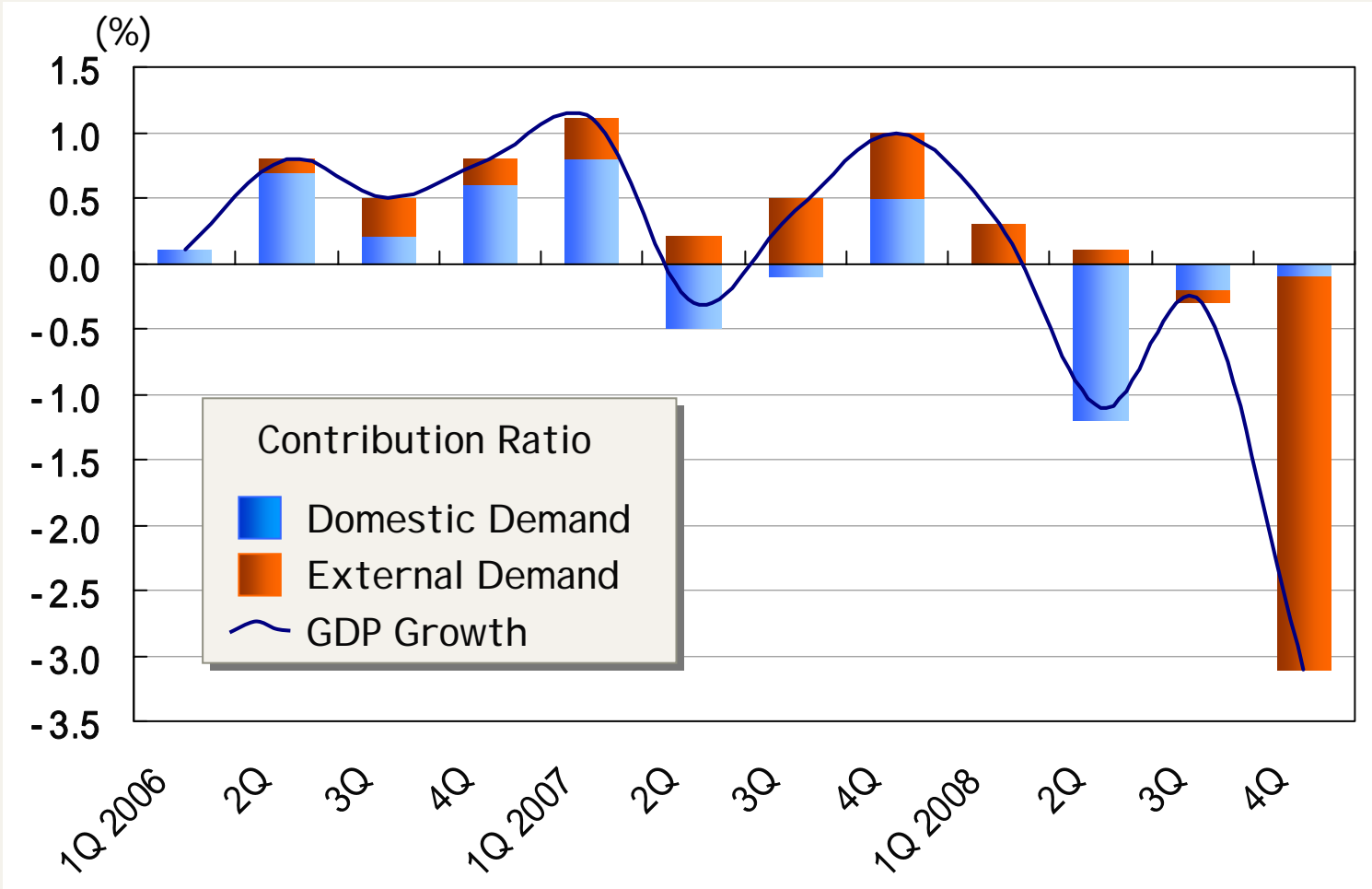


Chemical Fiber Industry in Japan

Japan Chemical Fibers Association
(JCFA)



GDP in Japan

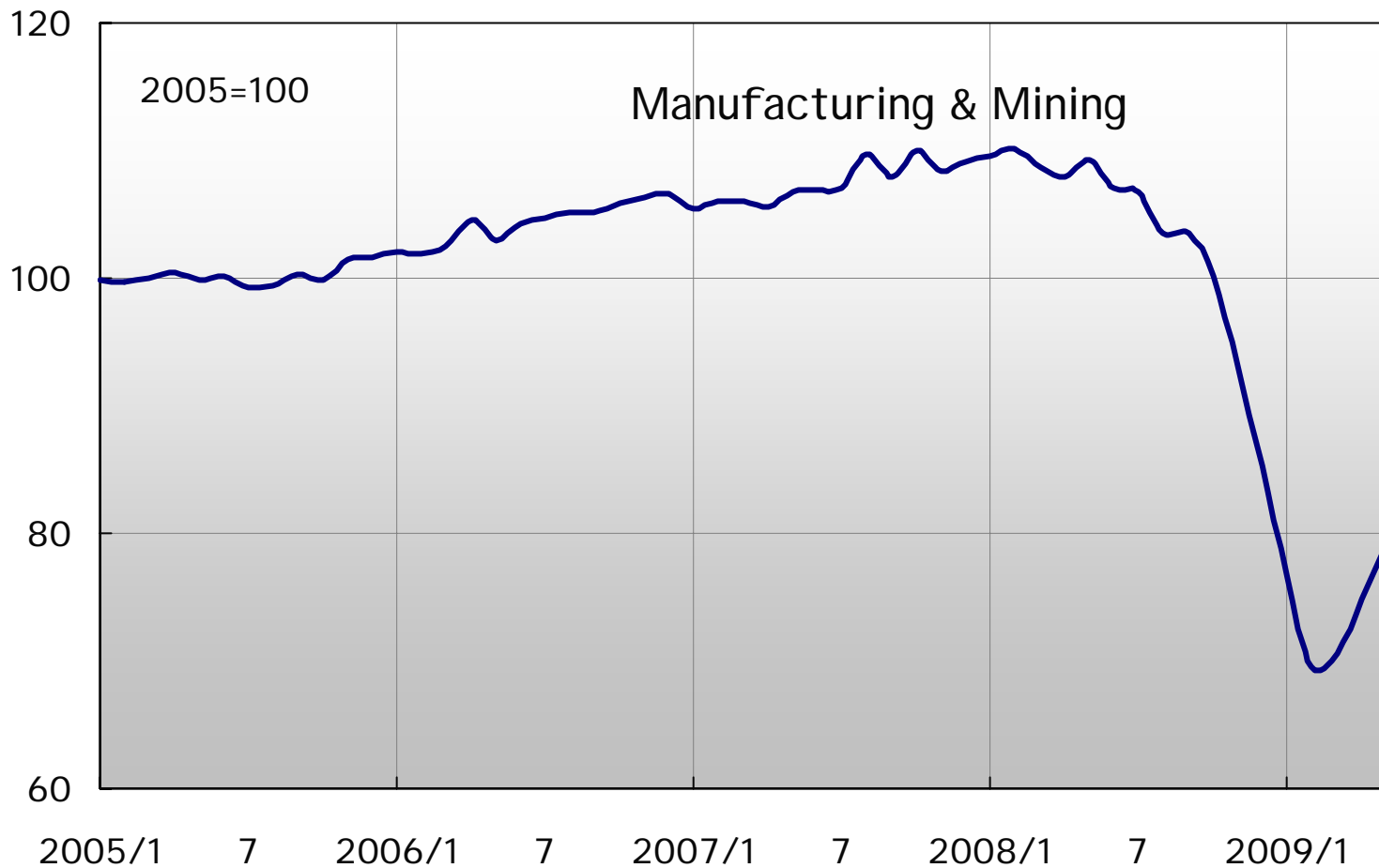


Export of Japan

(billion yen)

	World	USA	W. Europe	China
2004	61,170	13,731	9,790	7,994
2005	65,657	14,806	9,740	8,837
2006	75,246	16,934	11,046	10,794
2007	83,931	16,896	12,329	12,839
2008	81,048	14,223	11,448	12,957
Change %	-3.4	-15.8	-7.1	0.9

Industrial Production Indices in Japan



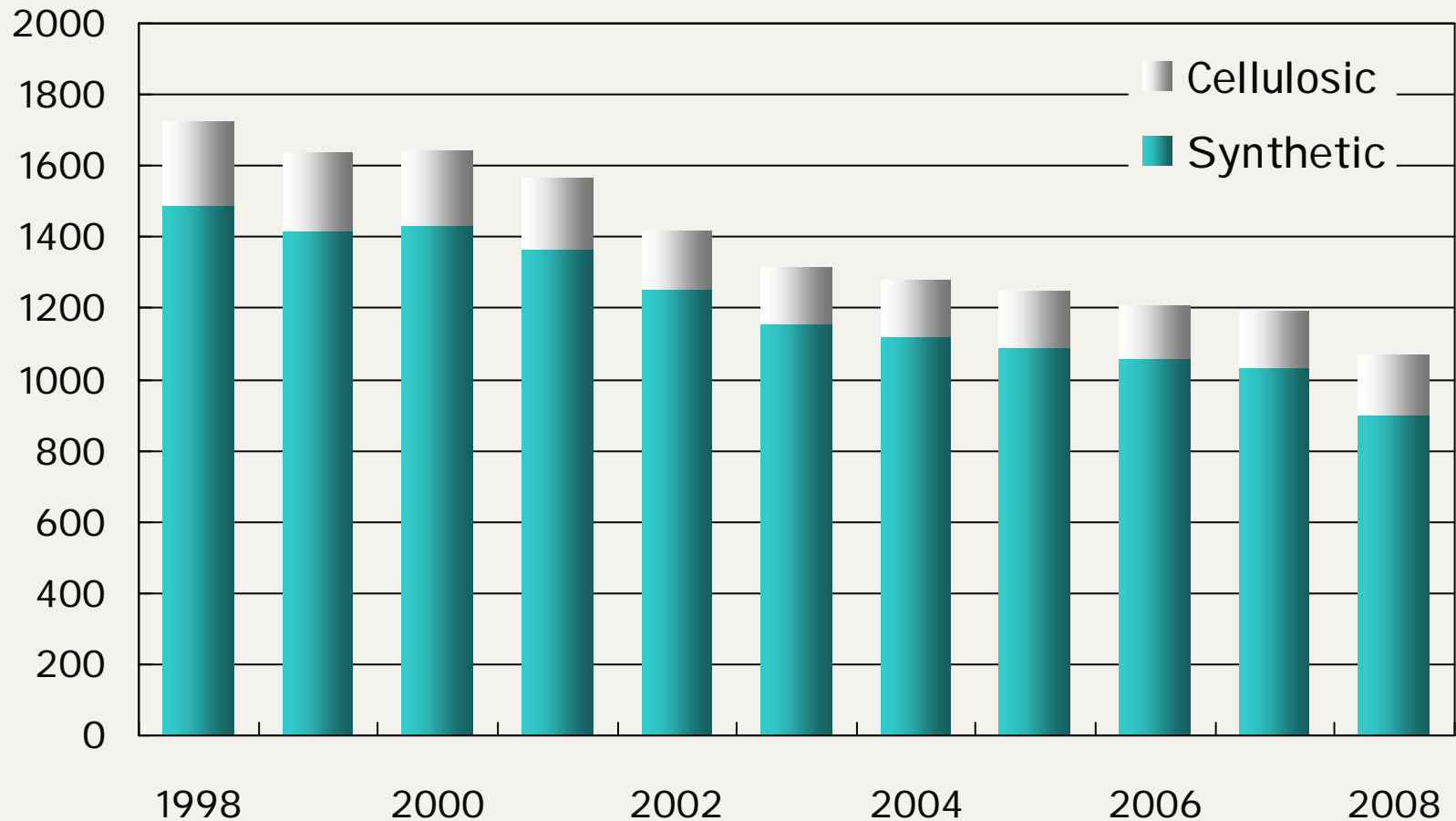
Production of Chemical Fibers in Japan

(1,000 tons, Change:%)

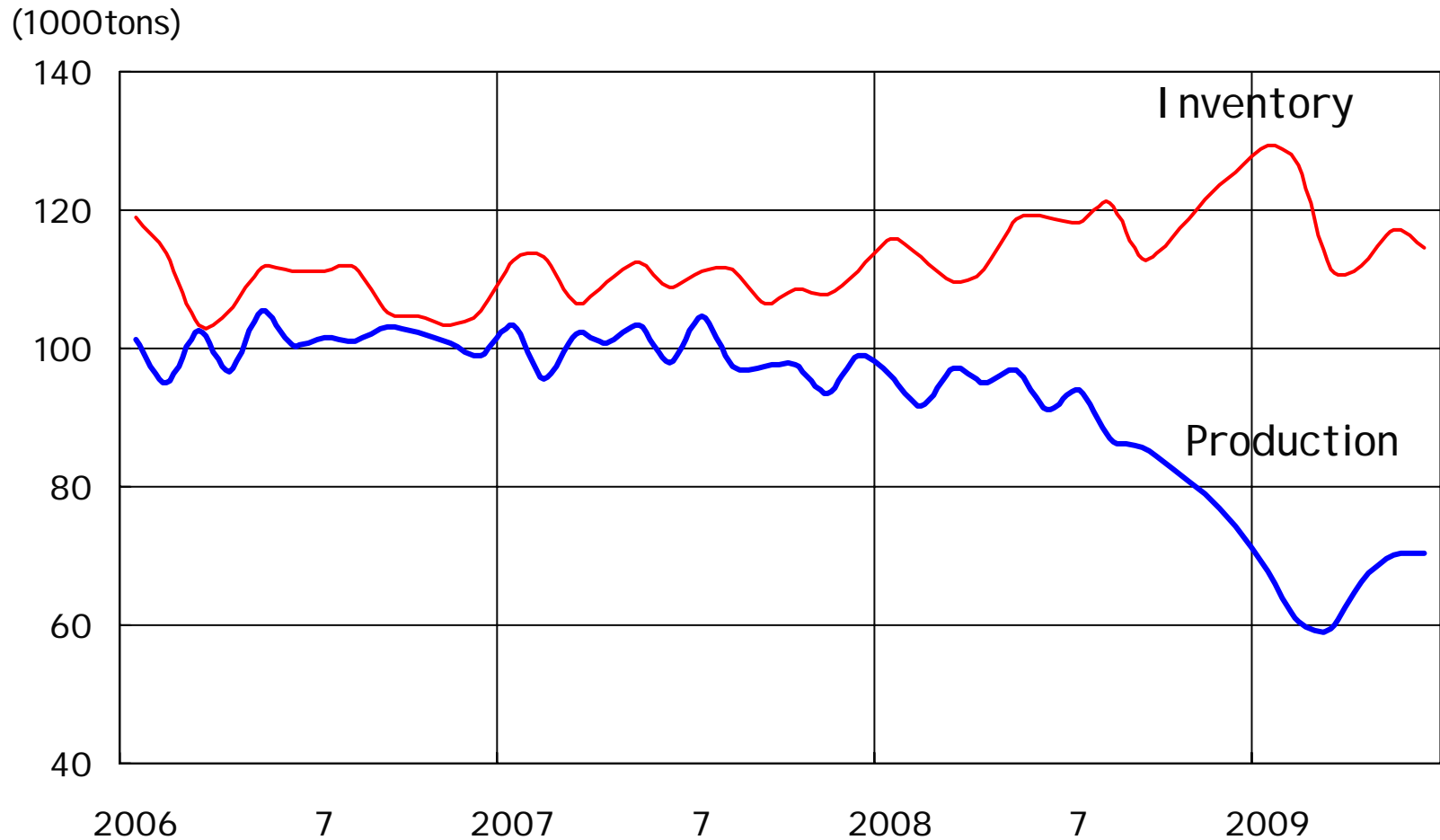
	2006	2007	2008	'08/'07	Jan-Feb 2009	'09/'08
Chemical Fibers	1,209	1,193	1,071	- 10.2	129	- 31.1
Synthetic Fibers	1,061	1,035	902	- 12.8	102	- 36.3
Nylon F	118	117	112	- 3.9	12	- 35.5
Polyester F	270	262	244	- 6.9	27	- 37.1
Polyester S	213	204	191	- 6.3	21	- 36.0
Acrylic S	243	236	145	- 38.7	14	- 52.3
Cellulosic Fibers	149	158	169	6.7	28	- 1.4

Production of Chemical Fibers in Japan

('000 tons)



Production and Inventory of Chemical Fibers in Japan



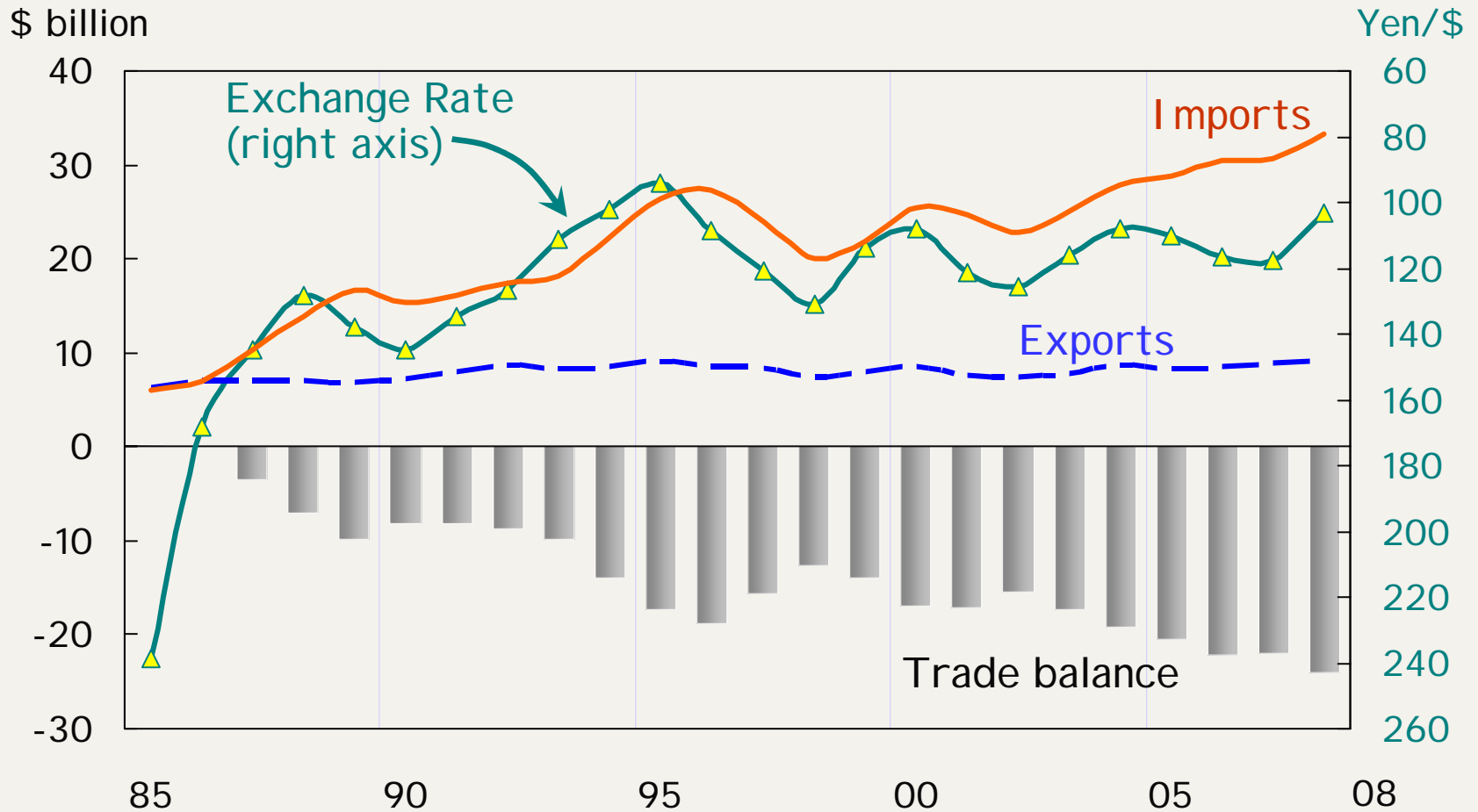
Automobile Production in Japan

(1000 units)

		Passenger cars				Trucks	Buses	Total
		Standard	Small	Mini				
2008	April	788	487	193	107	120	10	918
	May	793	480	206	106	122	10	925
	June	886	529	237	120	137	12	1,034
	July	929	554	248	127	145	14	1,087
	Aug.	653	390	175	88	107	9	770
	Sep.	901	519	253	129	142	13	1,057
	Oct.	862	493	243	126	139	12	1,013
	Nov.	738	379	229	129	106	10	854
	Dec.	626	299	200	127	89	11	726
2009	Jan.	495	214	162	119	73	8	577

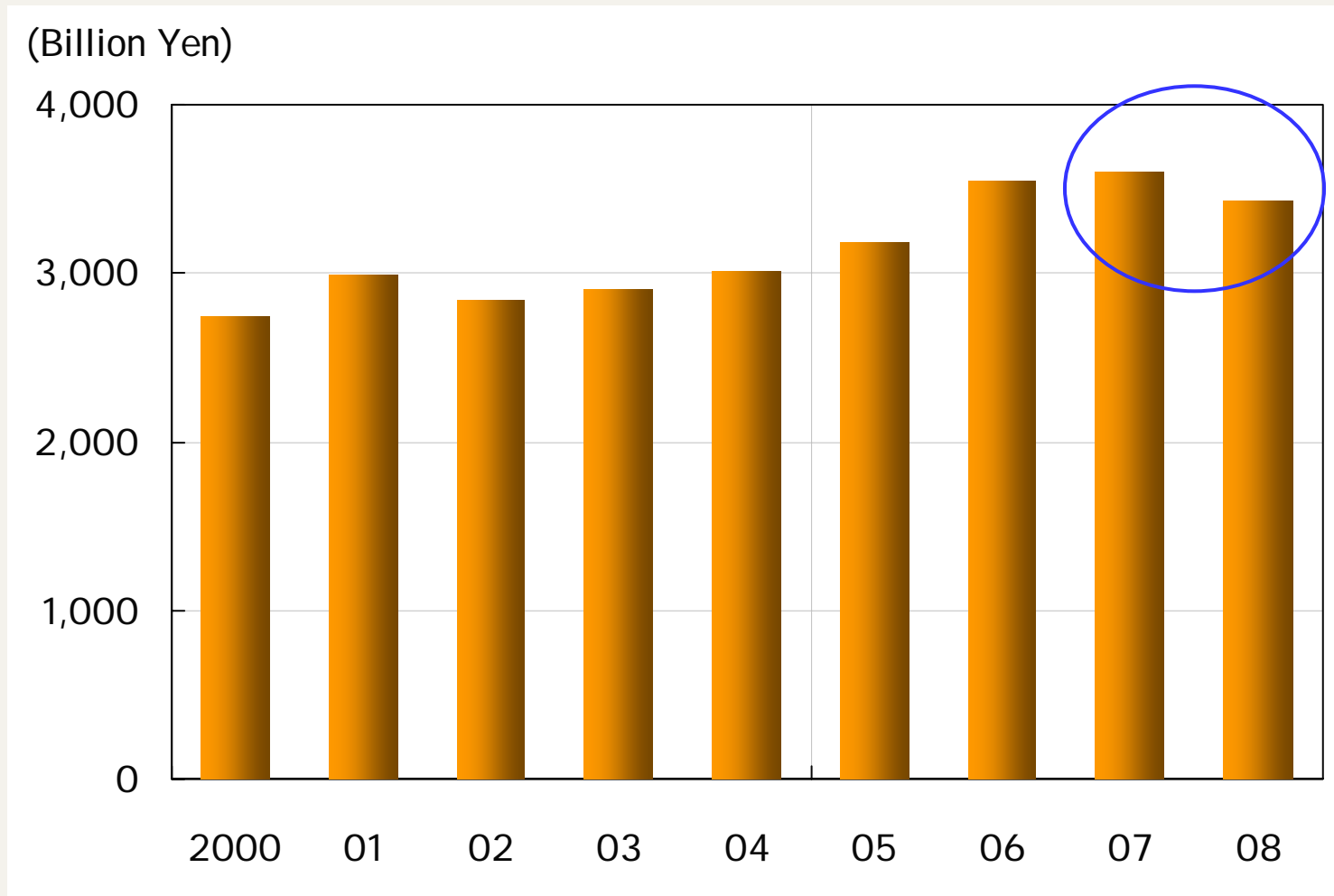
Standard car : over 2000 cc, Small car : 660 - 2000cc, Mini car : under 660cc

Japan's Textiles & Apparel Trade



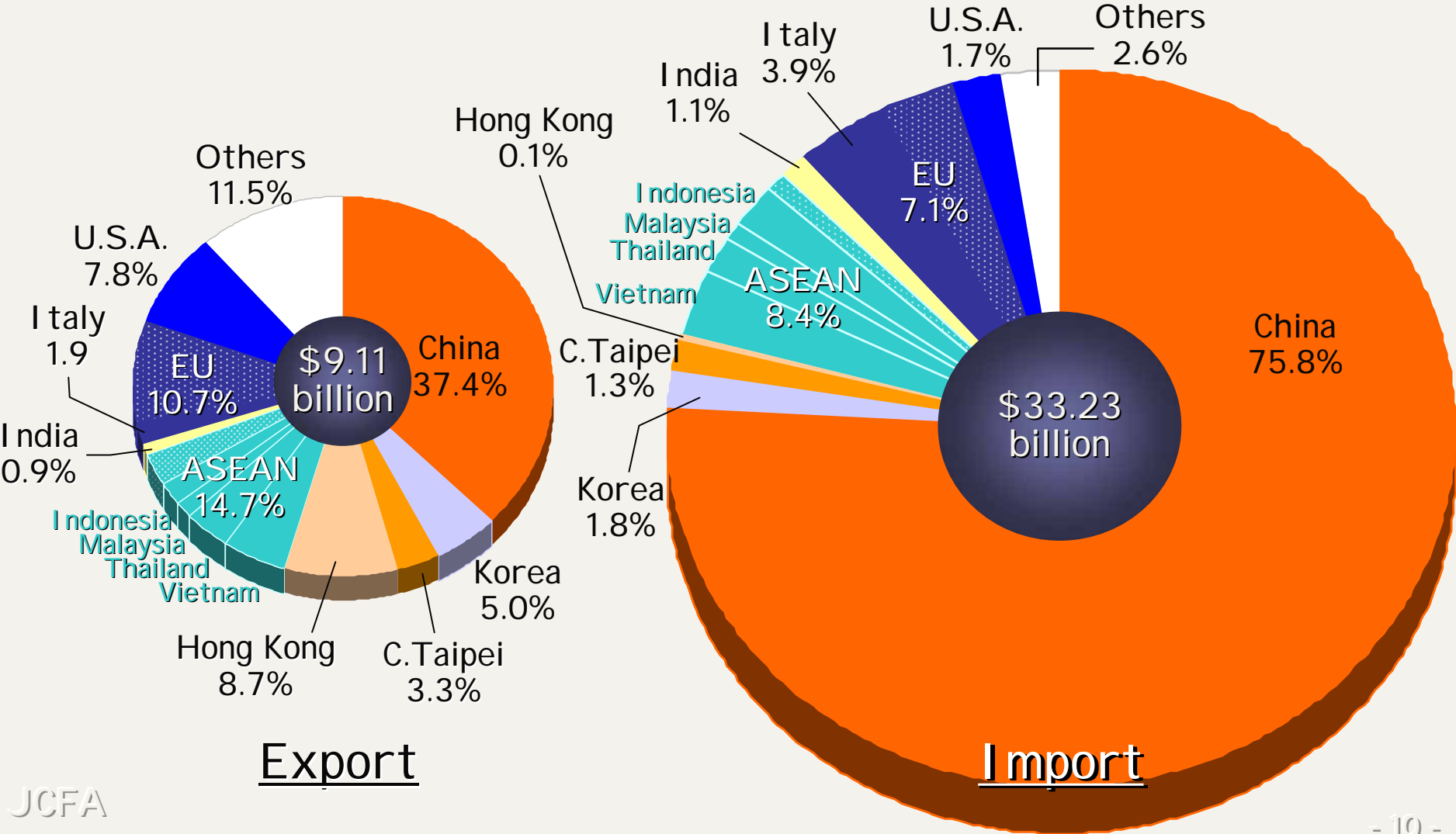
Source: Ministry of Finance

Textiles & Apparel Import of Japan



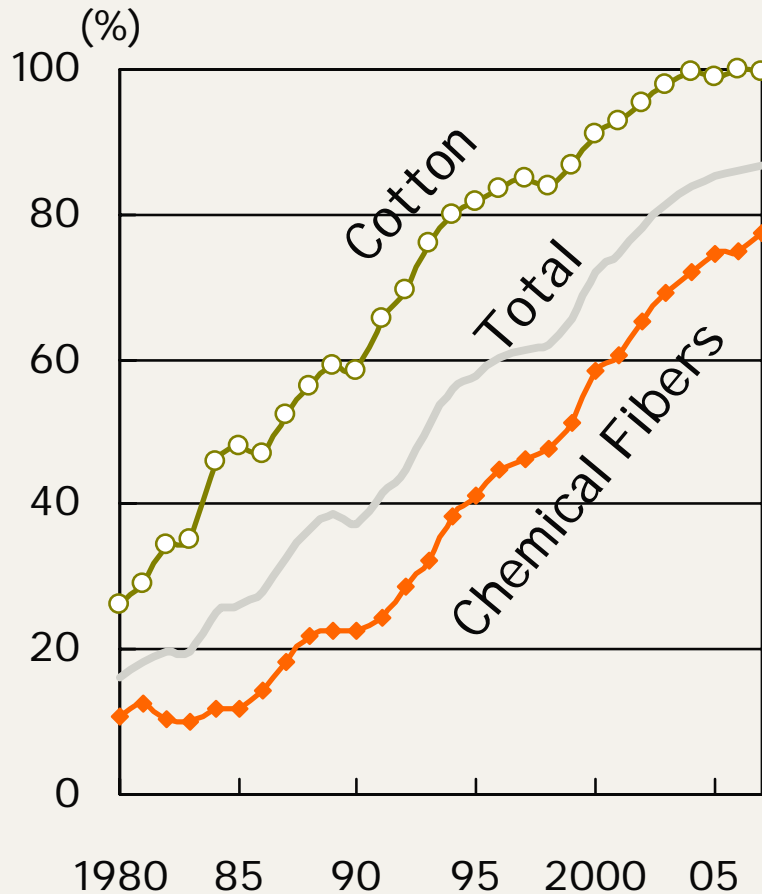
Source: Ministry of Finance

Japanese Textiles & Apparel Trade by Partner (2008)

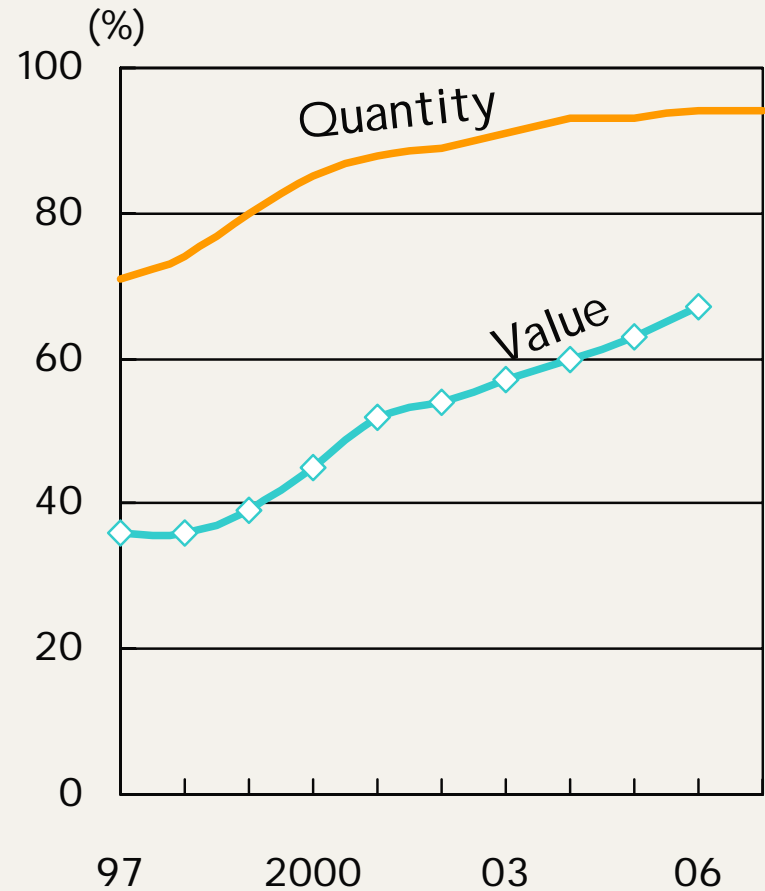


Evolution of Import Penetration Ratio in Japan's Textiles & Apparel

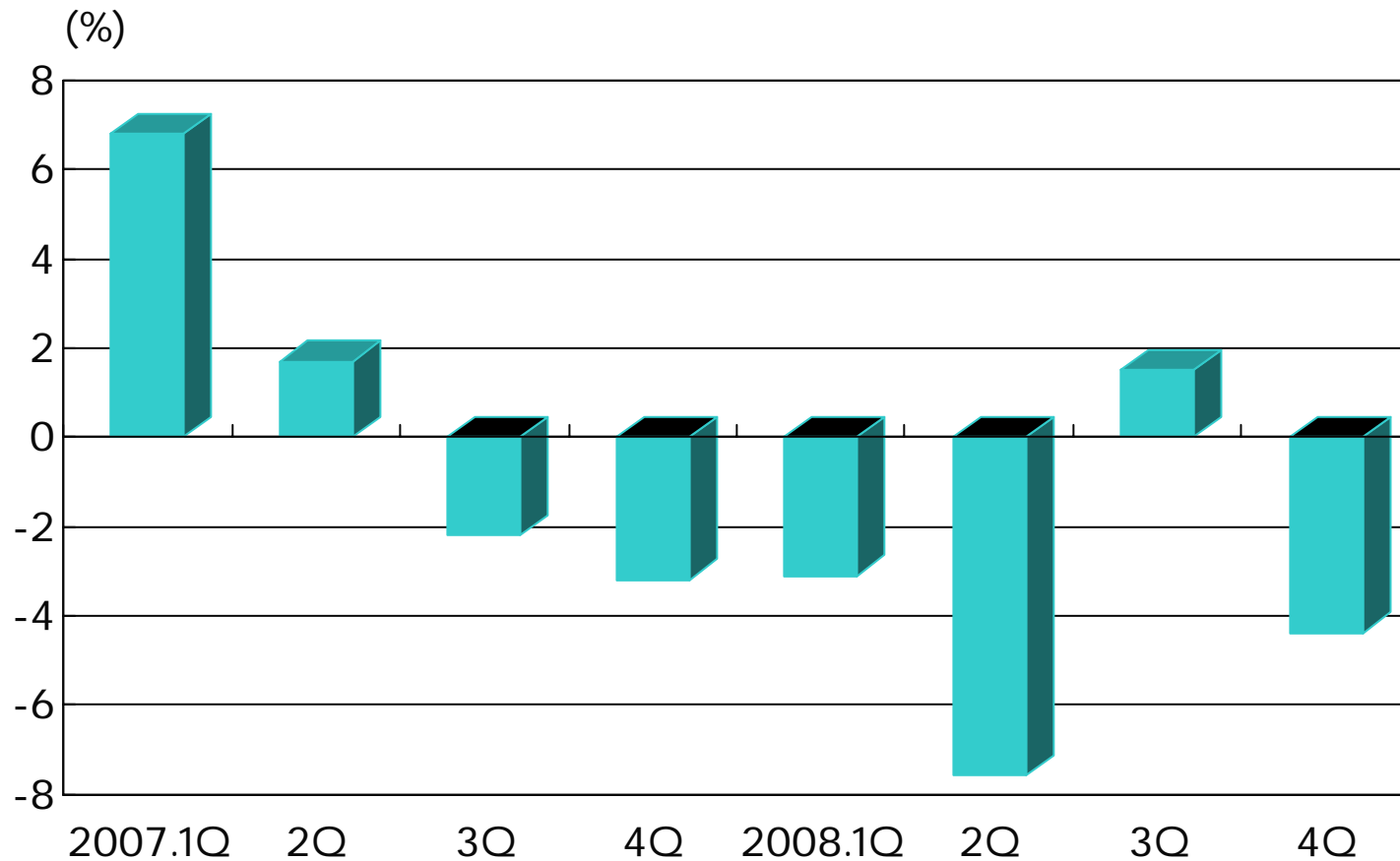
A. Textiles & Apparel Market



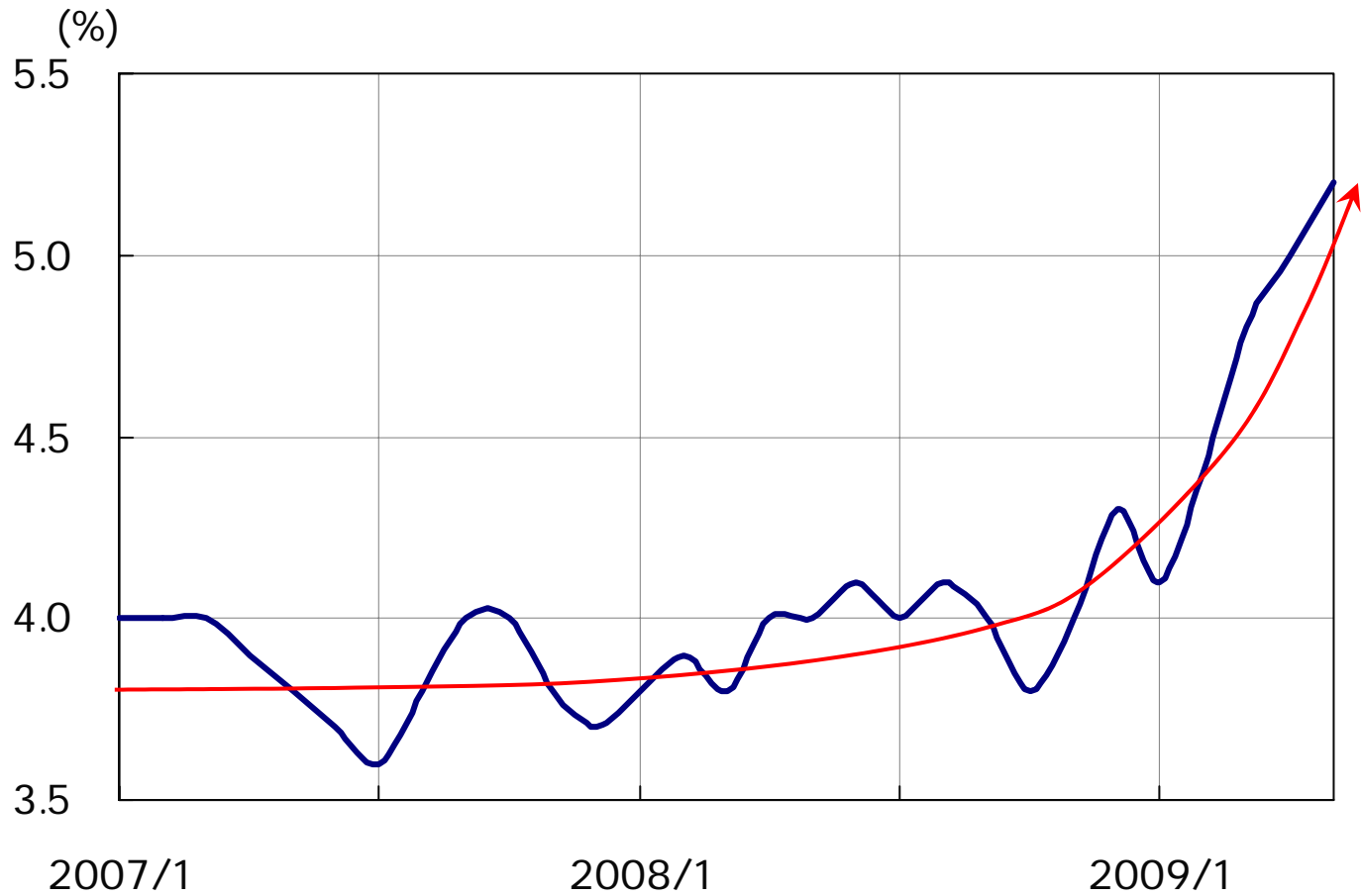
B. Apparel Market



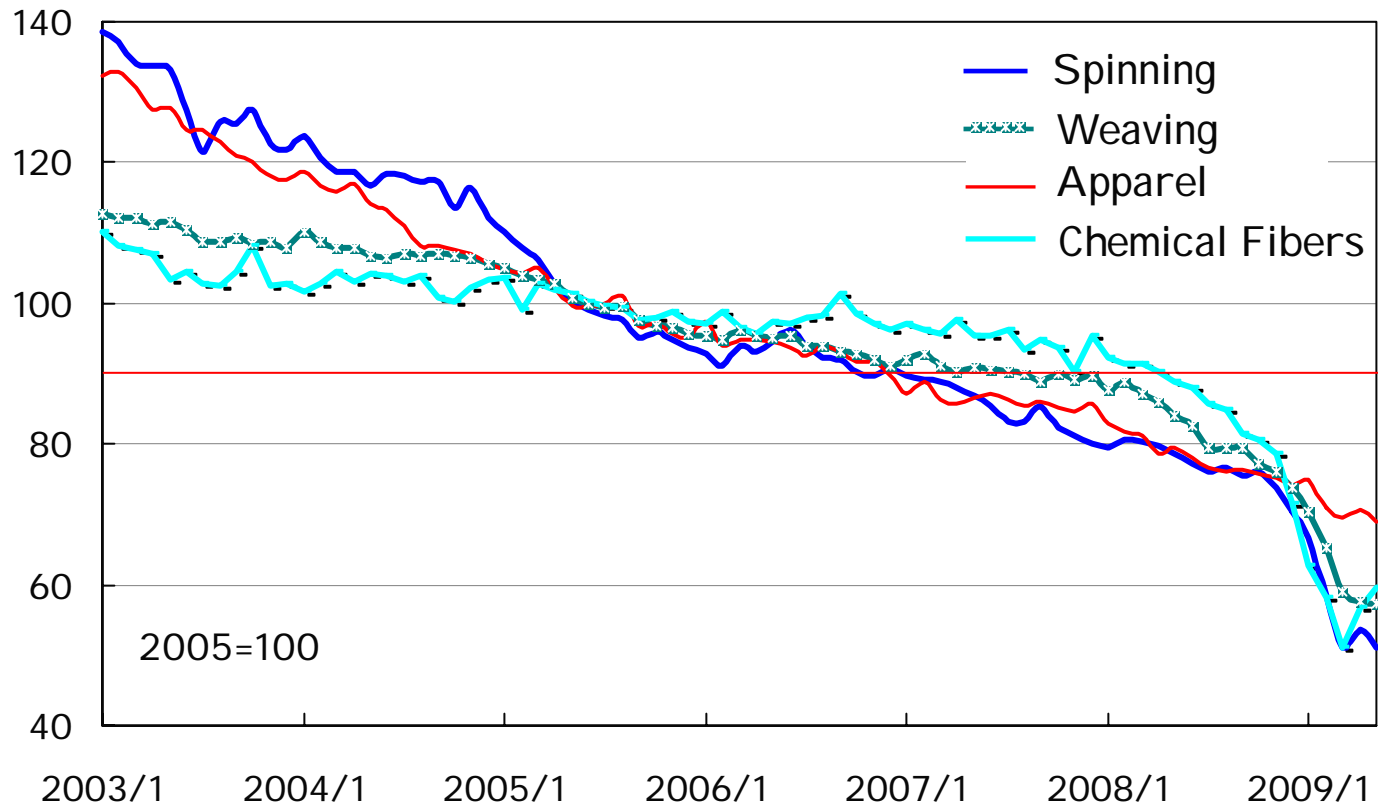
Household Expenditure for Clothing & Footwear (Change over the year)



Unemployment rate in Japan



Production Indices in Japan (Textiles & Apparel Industry)

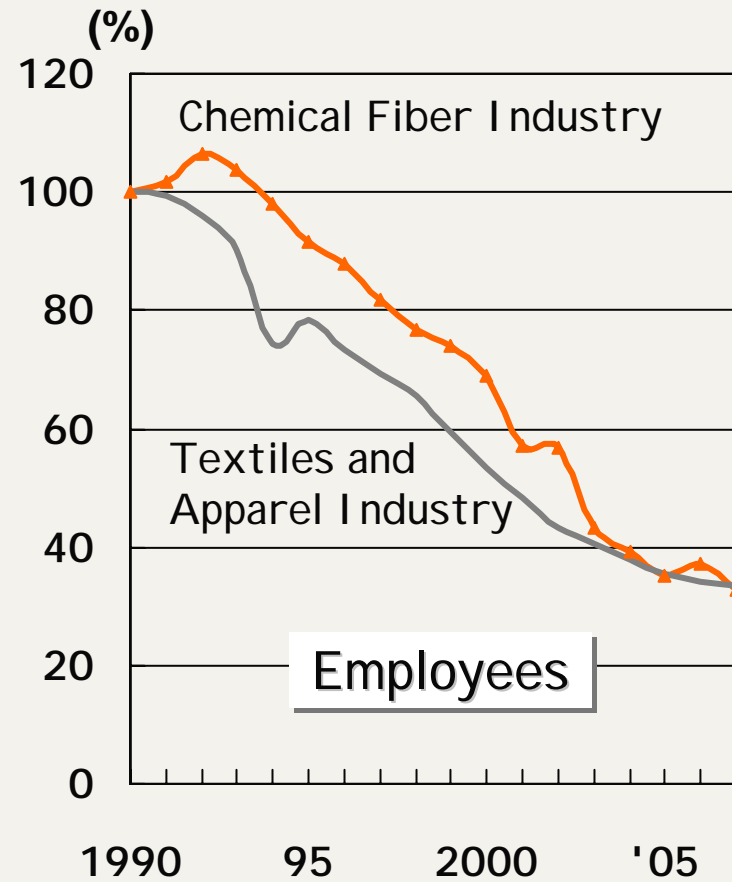
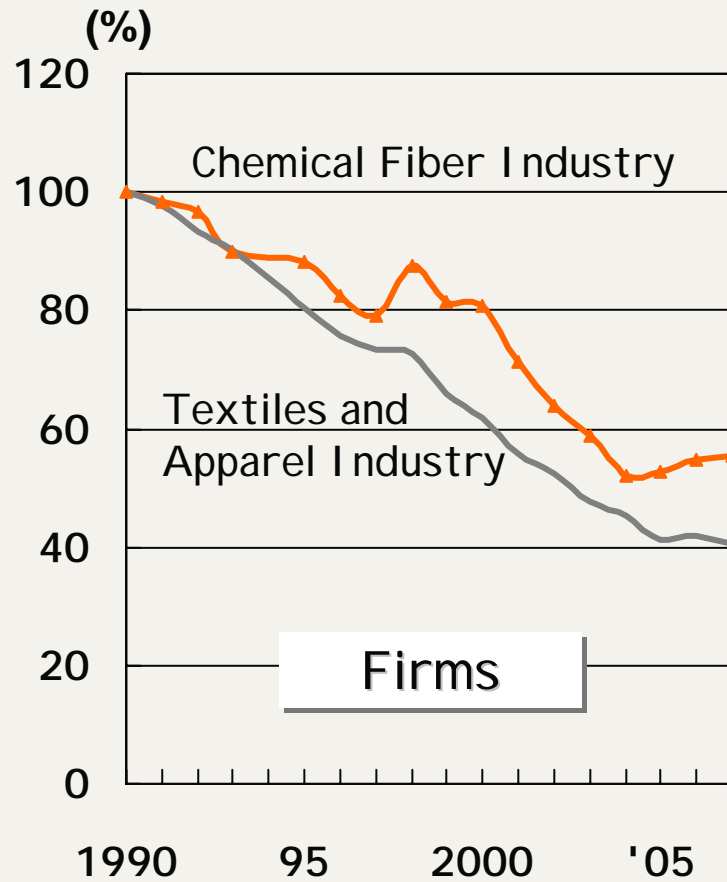


Changes in Production Index in Japanese Textiles & Apparel Industry

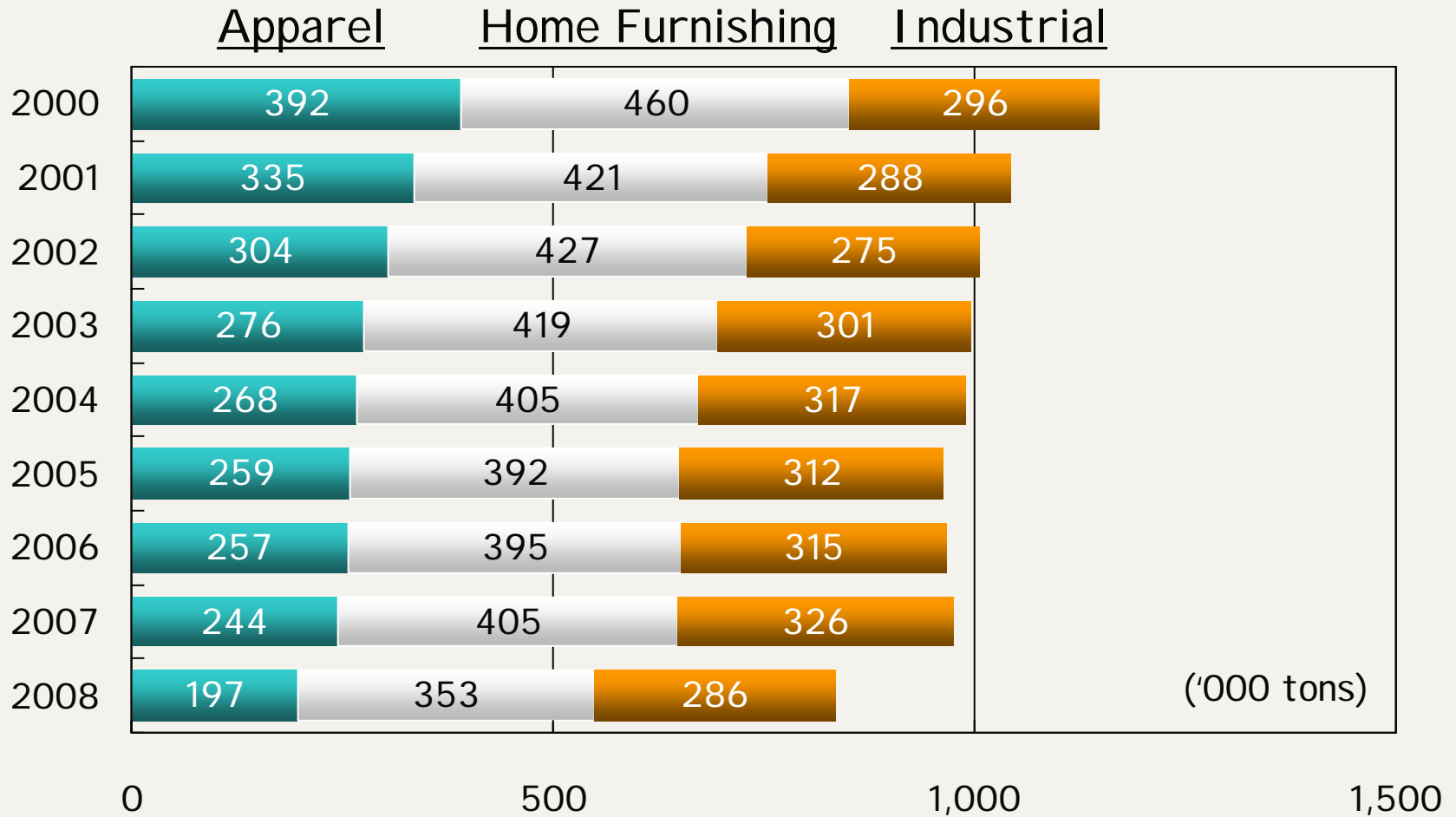
(2005=100)

	2003	2004	2005	2006	2007	2008
Textile Industry	115.7	108.1	100.0	95.8	90.6	82.5
Chemical fibers	105.3	103.1	100.0	97.5	95.0	85.6
Spinning	129.1	117.5	100.0	92.6	85.3	77.1
Weaving	110.2	107.3	100.0	94.2	90.4	81.8
Dyeing and finishing	114.9	107.8	100.0	98.5	96.1	87.9
Clothing	125.1	112.0	100.0	93.6	86.2	78.1

Firms and Employees of Japanese Textiles & Apparel Industry



Mill Consumption of Chemical Fibers in Japan



(Note) Home & Interior use and Industrial use is discontinuous in 2001 and 2002 due to change of aggregate calculation.

Direction of R&D in future

Strategic Technology Roadmap Toward 2020 (Fiber)

- Material security field
- Carbon fiber and composite material field
- Construction, IT, living and other fields
- Fundamental technology field

Capacity Expansion

Company	Fiber	Trademark	Capacity (t/Y)	Note
Teijin	Para Aramid	Twaron	23,000 → 26,500	2008
TOYOBO	PE	Dyneema	1,600 → 3,200	By July 2010
TOYOBO	PE	Tsunoooga	200	Commerce Production in 2008
Kuraray	Polyarylate	Vectran	600 → 1,000	Nov., 2007
Kuraray	Vinylon	Kuralon	35,000 → 40,000	Dec., 2008
UNITIKA	Vinylon	Mewlon	10,000 → 13,000	Nov., 2008
Kaneka	Modacrylic	Kanekalon	50,000 → 60,000	Plan
Toray	Carbon	Torayca	14,000 → 18,600	Partly suspended
Toho Tenax	Carbon	Tenax	9,100 → 13,500	Partly suspended
Mitsubishi Rayon	Carbon	Pyrofil	7,400 → 10,100	Partly suspended