

Platinum Supply and Demand

'000 oz	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Supply										
South Africa	3,800	4,100	4,450	4,630	5,010	5,115	5,295	5,070	4,515	4,530
Russia	1,100	1,300	980	1,050	845	890	920	915	805	785
North America	285	360	390	295	385	365	345	325	325	260
Zimbabwe	-	-	-	-	-	155	165	170	180	230
Others	105	100	150	225	250	115	105	120	115	115
Total Supply	5,290	5,860	5,970	6,200	6,490	6,640	6,830	6,600	5,940	5,920
Demand by Application										
Autocatalyst	1,890	2,520	2,590	3,270	3,490	3,795	3,905	4,145	3,655	2,230
Chemical	295	290	325	320	325	325	395	420	400	295
Electrical	455	385	315	260	300	360	360	255	230	190
Glass	255	290	235	210	290	360	405	470	315	10
Investment	-60	90	80	15	45	15	-40	170	555	660
Jewellery*	2,830	2,590	2,820	2,510	2,160	2,465	2,195	2,110	2,060	3,010
Medical & Biomedical	-	-	-	-	-	250	250	230	245	250
Petroleum	110	130	130	120	150	170	180	205	240	205
Other	375	465	540	470	470	225	240	265	290	190
Total Gross Demand	6,150	6,760	7,035	7,175	7,230	7,965	7,890	8,270	7,990	7,040
Recycling										
Autocatalyst	-470	-530	-565	-645	-690	-770	-860	-935	-1,130	-830
Electrical	-	-	-	-	-	0	0	0	-5	-10
Jewellery	-	-	-	-	-	-500	-555	-655	-695	-565
Total Recycling	-470	-530	-565	-645	-690	-1,270	-1,415	-1,590	-1,830	-1,405
Total Net Demand	5,680	6,230	6,470	6,530	6,540	6,695	6,475	6,680	6,160	5,635
Movements in Stocks	-390	-370	-500	-330	-50	-55	355	-80	-220	285

* Before 2005 jewellery and electrical demand is net of recycling.

** Before 2005 Medical & Biomedical was included in "Other"

Gross Platinum Demand by Application: Regions

'000 oz	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Europe										
Autocatalyst	680	1,060	1,210	1,455	1,680	1,960	2,060	2,055	1,970	970
Chemical	100	105	115	105	115	100	100	110	105	70
Electrical	80	65	40	35	40	40	25	15	20	20
Glass	20	10	10	10	5	10	10	15	-25	5
Investment	0	0	0	0	0	0	0	195	105	385
Jewellery	190	170	160	190	195	195	200	200	205	185
Medical & Biomedical**	0	0	0	0	0	110	110	110	115	115
Petroleum	15	15	15	15	15	15	20	25	30	25
Other	105	155	190	185	190	65	65	75	85	55
Totals	1,190	1,580	1,740	1,995	2,240	2,495	2,590	2,800	2,610	1,830
Japan										
Autocatalyst	290	340	430	500	615	600	605	610	610	395
Chemical	20	25	30	40	40	50	50	55	55	45
Electrical	90	80	55	40	50	65	55	35	35	30
Glass	65	85	60	85	90	95	100	85	65	40
Investment	-95	45	40	-10	15	-15	-65	-60	385	160
Jewellery	1,060	750	780	660	560	670	585	540	530	535
Medical & Biomedical**	0	0	0	0	0	20	20	15	20	20
Petroleum	5	5	5	5	5	5	5	5	10	10
Other	35	35	55	40	40	25	20	30	25	15
Totals	1,470	1,365	1,455	1,360	1,415	1,515	1,375	1,315	1,735	1,250
North America										
Autocatalyst	620	795	570	885	800	820	705	850	505	370
Chemical	100	100	100	95	90	100	100	95	95	65
Electrical	145	120	100	85	90	95	75	55	30	25
Glass	50	35	30	-30	-10	5	10	25	-5	-35
Investment	35	45	40	25	25	25	20	30	60	105
Jewellery	380	280	310	310	290	285	270	225	200	135
Medical & Biomedical**	0	0	0	0	0	110	105	80	85	90
Petroleum	35	40	45	40	35	35	35	30	25	15
Other	210	250	265	215	205	110	120	135	150	90
Totals	1,575	1,665	1,460	1,625	1,525	1,585	1,440	1,525	1,145	860
China										
Autocatalyst	10	15	35	60	75	120	155	175	145	130
Chemical	20	10	10	10	10	10	65	70	60	40
Electrical	20	15	15	15	20	25	45	20	30	20
Glass	35	65	40	30	60	70	50	180	85	-90
Investment	0	0	0	0	0	5	0	0	0	0
Jewellery	1,100	1,300	1,480	1,200	1,010	1,205	1,060	1,070	1,060	2,080
Medical & Biomedical**	0	0	0	0	0	0	0	10	10	10
Petroleum	15	15	5	5	5	5	10	10	10	10
Other	5	5	5	5	5	10	10	5	10	10
Totals	1,205	1,425	1,590	1,325	1,185	1,450	1,395	1,540	1,410	2,210
Rest of the World										
Autocatalyst	290	310	345	370	320	295	380	455	425	365
Chemical	55	50	70	70	70	65	80	90	85	75
Electrical	120	105	105	85	100	135	160	130	115	95
Glass	85	95	95	115	145	180	235	165	195	90
Investment	0	0	0	0	5	0	5	5	5	10
Jewellery	100	90	90	150	105	110	80	75	65	75
Medical & Biomedical**	0	0	0	0	0	10	15	15	15	15
Petroleum	40	55	60	55	90	110	110	135	165	145
Other	20	20	25	25	30	15	25	20	20	20
Totals	710	725	790	870	865	920	1,090	1,090	1,090	890
Total Gross Demand	6,150	6,760	7,035	7,175	7,230	7,965	7,890	8,270	7,990	7,040

** Before 2005 Medical & Biomedical was included in "Other"

Platinum Supply and Demand

Tonnes	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Supply										
South Africa	118.2	127.5	138.4	144.0	155.8	159.1	164.7	157.7	140.4	140.9
Russia	34.2	40.4	30.5	32.7	26.3	27.7	28.6	28.5	25.1	24.4
North America	8.9	11.2	12.1	9.2	12.0	11.3	10.7	10.1	10.1	8.1
Zimbabwe *	-	-	-	-	-	4.8	5.1	5.3	5.6	7.2
Others	3.3	3.1	4.7	7.0	7.8	3.6	3.3	3.7	3.6	3.5
Total Supply	164.5	182.3	185.7	192.8	201.9	206.5	212.4	205.3	184.8	184.1
Demand by Application										
Autocatalyst	58.8	78.4	80.6	101.7	108.6	118.1	121.5	128.9	113.7	69.4
Chemical	9.2	9.0	10.1	10.0	10.1	10.1	12.3	13.1	12.4	9.2
Electrical	14.2	12.0	9.8	8.1	9.3	11.2	11.2	7.9	7.1	5.9
Glass	7.9	9.0	7.3	6.5	9.0	11.2	12.6	14.6	9.8	0.3
Investment	-1.9	2.8	2.5	0.5	1.4	0.5	-1.2	5.3	17.3	20.5
Jewellery*	88.0	80.6	87.7	78.1	67.2	76.6	68.2	65.6	64.1	93.6
Medical & Biomedical**	-	-	-	-	-	7.7	7.8	7.2	7.6	7.8
Petroleum	3.4	4.0	4.0	3.7	4.7	5.4	5.6	6.5	7.5	6.4
Other	11.7	14.5	16.8	14.6	14.6	7.0	7.4	8.2	9.0	5.9
Total Gross Demand	191.3	210.3	218.8	223.2	224.9	247.8	245.4	257.3	248.5	219.0
Recycling										
Autocatalyst	-14.6	-16.5	-17.6	-20.1	-21.5	-24.0	-26.8	-29.1	-35.1	-25.8
Electrical	-	-	-	-	-	0.0	0.0	0.0	-0.2	-0.3
Jewellery	-	-	-	-	-	-15.5	-17.2	-20.4	-21.6	-17.6
Total Recycling	-14.6	-16.5	-17.6	-20.1	-21.5	-39.5	-44.0	-49.5	-56.9	-43.7
Total Net Demand	176.7	193.8	201.2	203.1	203.4	208.3	201.4	207.8	191.6	175.3
Movements in Stocks	-12.1	-11.5	-15.6	-10.3	-1.6	-1.8	11.0	-2.5	-6.8	8.8

Totals may not add due to rounding

** Before 2005 "Jewellery" and "Electrical" demand is net of recycling.*

*** Before 2005 "Medical & Biomedical" was included in "Other"*

Gross Platinum Demand by Application: Regions

Tonnes	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Europe										
Autocatalyst	21.1	33.0	37.6	45.3	52.2	61.0	64.1	63.9	61.3	30.2
Chemical	3.1	3.3	3.6	3.3	3.6	3.1	3.1	3.4	3.3	2.2
Electrical*	2.5	2.0	1.2	1.1	1.2	1.2	0.8	0.5	0.6	0.6
Glass	0.6	0.3	0.3	0.3	0.2	0.3	0.3	0.5	-0.8	0.2
Investment	0	0	0	0	0	0	0	6.1	3.2	12.0
Jewellery*	5.9	5.3	5.0	5.9	6.1	6.0	6.1	6.1	6.4	5.8
Medical & Biomedical**	-	-	-	-	-	3.4	3.4	3.4	3.6	3.6
Petroleum	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	1.0	0.8
Other	3.3	4.8	5.9	5.7	5.9	2.0	2.0	2.3	2.6	1.7
Totals	35.8	47.0	51.3	58.5	65.2	77.5	80.4	87.0	81.2	57.1
Japan										
Autocatalyst	9.0	10.6	13.4	15.6	19.1	18.7	18.8	19.0	19.0	12.3
Chemical	0.6	0.8	0.9	1.2	1.2	1.6	1.6	1.7	1.7	1.4
Electrical*	2.8	2.5	1.7	1.2	1.6	2.0	1.7	1.1	1.1	0.9
Glass	2.0	2.6	1.9	2.7	2.8	3.0	3.1	2.6	2.0	1.2
Investment	-2.9	1.4	1.2	-0.3	0.5	-0.5	-2.0	-1.9	12.0	5.0
Jewellery*	33.0	23.3	24.3	20.5	17.4	20.8	18.2	16.8	16.5	16.6
Medical & Biomedical**	-	-	-	-	-	0.6	0.6	0.5	0.6	0.6
Petroleum	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Other	1.1	1.1	1.7	1.2	1.2	0.8	0.7	0.9	0.8	0.5
Totals	43.9	40.8	43.5	40.4	42.3	47.2	42.9	40.9	54.0	38.8
North America										
Autocatalyst	19.3	24.7	17.7	27.5	24.8	25.5	22.0	26.4	15.7	11.5
Chemical	3.1	3.1	3.1	3.0	2.8	3.1	3.1	3.0	2.9	2.0
Electrical*	4.5	3.7	3.0	2.6	2.8	3.0	2.3	1.7	0.9	0.8
Glass	1.6	1.1	0.9	-0.9	-0.3	0.2	0.3	0.8	-0.1	-1.1
Investment	1.1	1.4	1.2	0.8	0.8	0.8	0.6	0.9	1.9	3.2
Jewellery*	11.8	8.7	9.6	9.6	9.0	8.9	8.4	7.0	6.2	4.2
Medical & Biomedical**	-	-	-	-	-	3.4	3.3	2.5	2.6	2.8
Petroleum	1.1	1.3	1.4	1.2	1.1	1.1	1.1	1.0	0.8	0.5
Other	6.5	7.8	8.2	6.7	6.4	3.4	3.7	4.2	4.7	2.8
Totals	38.1	40.3	33.4	37.5	33.9	49.4	44.8	47.5	35.6	26.7
China										
Autocatalyst	0.3	0.5	1.1	1.9	2.3	3.7	4.8	5.4	4.5	4.0
Chemical	0.6	0.3	0.3	0.3	0.0	0.3	2.0	2.2	1.9	1.3
Electrical*	0.6	0.5	0.5	0.5	0.3	0.8	1.4	0.6	0.9	0.6
Glass	1.1	2.0	1.2	0.9	0.6	2.2	1.6	5.6	2.6	-2.8
Investment	0	0	0	0	0	0.2	0	0	0	0
Jewellery*	34.2	40.4	46.0	37.3	31.4	37.5	33.0	33.3	33.0	64.7
Medical & Biomedical**	-	-	-	-	-	0.0	0.0	0.3	0.3	0.3
Petroleum	0.5	0.5	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Other	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3
Totals	37.5	44.4	49.5	41.3	36.9	45.2	43.4	47.9	43.8	68.7
Rest of the World										
Autocatalyst	9.0	9.6	10.7	11.5	10.0	9.2	11.8	14.2	13.2	11.4
Chemical	1.7	1.6	2.2	2.2	2.2	2.0	2.5	2.8	2.6	2.3
Electrical*	3.8	3.2	3.2	2.6	3.1	4.2	5.0	4.0	3.6	3.0
Glass	2.6	3.0	3.0	3.6	4.5	5.5	7.3	5.1	6.1	2.8
Investment	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2	0.3
Jewellery*	3.1	2.8	2.8	4.7	3.3	3.4	2.5	2.4	2.0	2.3
Medical & Biomedical**	-	-	-	-	-	0.3	0.5	0.5	0.5	0.5
Petroleum	1.2	1.7	1.8	1.7	2.8	3.4	3.4	4.2	5.1	4.5
Other	0.6	0.6	0.8	0.7	0.8	0.5	0.7	0.6	0.6	0.6
Totals	21.4	21.4	23.3	25.4	25.2	28.5	33.9	34.0	33.9	27.7
Total Gross Demand	191.3	193.2	194.2	196.7	198.1	247.8	245.4	257.3	248.5	219.0

Totals may not add due to rounding

** Before 2005 "Jewellery" and "Electrical" demand is net of recycling.*

*** Before 2005 "Medical & Biomedical" was included in "Other"*