

Platinum Supply and Demand

'000 oz	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Supply										
South Africa	5,010	5,115	5,295	5,070	4,515	4,635	4,635	4,860	4,090	4,120
Russia	845	890	920	915	805	785	825	835	800	780
North America	385	365	345	325	325	260	200	350	310	315
Zimbabwe	0	155	165	170	180	230	280	340	340	400
Others	250	115	105	120	115	115	110	100	110	125
Total Supply	6,490	6,640	6,830	6,600	5,940	6,025	6,050	6,485	5,650	5,740
Demand by Application										
Autocatalyst	3,490	3,795	3,905	4,145	3,655	2,185	3,075	3,185	3,190	3,125
Chemical	325	325	395	420	400	290	440	470	450	540
Electrical	300	360	360	255	230	190	230	230	165	205
Glass	290	360	405	470	315	10	385	515	160	235
Investment	45	15	-40	170	555	660	655	460	455	765
Jewellery	2,160	2,465	2,195	2,110	2,060	2,810	2,420	2,475	2,780	2,740
Medical & Biomedical	0	250	250	230	245	250	230	230	235	235
Petroleum	150	170	180	205	240	210	170	210	205	155
Other	470	225	240	265	290	190	300	320	390	420
Total Gross Demand	7,230	7,965	7,890	8,270	7,990	6,795	7,905	8,095	8,030	8,420
Recycling										
Autocatalyst	-690	-770	-860	-935	-1,130	-830	-1,085	-1,240	-1,130	-1,275
Electrical	0	0	0	0	-5	-10	-10	-10	-20	-25
Jewellery	0	-500	-555	-655	-695	-565	-735	-810	-890	-775
Total Recycling	-690	-1,270	-1,415	-1,590	-1,830	-1,405	-1,830	-2,060	-2,040	-2,075
Total Net Demand	6,540	6,695	6,475	6,680	6,160	5,390	6,075	6,035	5,990	6,345
Movements in Stocks	-50	-55	355	-80	-220	635	-25	450	-340	-605

* 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	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Europe										
Autocatalyst	1,680	1,960	2,060	2,055	1,970	970	1,495	1,505	1,345	1,290
Chemical	115	100	100	110	105	70	110	120	110	105
Electrical	40	40	25	15	20	20	15	20	15	20
Glass	5	10	10	15	-25	5	10	30	5	15
Investment	0	0	0	195	105	385	140	155	135	-95
Jewellery	195	195	200	200	205	185	175	175	180	210
Medical & Biomedical**	0	110	110	110	115	115	90	90	90	90
Petroleum	15	15	20	25	30	25	20	35	20	15
Other	190	65	65	75	85	55	100	95	115	120
Totals	2,240	2,495	2,590	2,800	2,610	1,830	2,155	2,225	2,015	1,770
Japan										
Autocatalyst	615	600	605	610	610	395	550	500	600	580
Chemical	40	50	50	55	55	45	50	35	35	40
Electrical	50	65	55	35	35	30	30	25	20	25
Glass	90	95	100	85	65	40	90	130	10	-25
Investment	15	-15	-65	-60	385	160	45	250	100	-70
Jewellery	560	670	585	540	530	335	325	310	310	300
Medical & Biomedical**	0	20	20	15	20	20	20	20	20	20
Petroleum	5	5	5	5	10	10	5	5	5	5
Other	40	25	20	30	25	15	40	40	60	65
Totals	1,415	1,515	1,375	1,315	1,735	1,050	1,155	1,315	1,160	940
North America										
Autocatalyst	800	820	705	850	505	370	405	370	400	375
Chemical	90	100	100	95	95	65	100	95	105	100
Electrical	90	95	75	55	30	25	25	25	20	20
Glass	-10	5	10	25	-5	-35	10	-5	10	10
Investment	25	25	20	30	60	105	465	10	190	120
Jewellery	290	285	270	225	200	135	175	185	185	205
Medical & Biomedical**	0	110	105	80	85	90	90	90	90	85
Petroleum	35	35	35	30	25	15	25	50	60	40
Other	205	110	120	135	150	90	105	110	115	125
Totals	1,525	1,585	1,440	1,525	1,145	860	1,400	930	1,175	1,080
China										
Autocatalyst	75	120	155	175	145	85	100	105	105	120
Chemical	10	10	65	70	60	40	80	100	90	130
Electrical	20	25	45	20	30	20	30	30	25	30
Glass	60	70	50	180	85	-90	130	10	45	150
Investment	0	5	0	0	0	0	0	0	0	0
Jewellery	1,010	1,205	1,060	1,070	1,060	2,080	1,650	1,680	1,950	1,850
Medical & Biomedical**	0	0	0	10	10	10	10	10	15	15
Petroleum	5	5	10	10	10	10	15	15	15	10
Other	5	10	10	5	10	10	25	30	40	45
Totals	1,185	1,450	1,395	1,540	1,410	2,165	2,040	1,980	2,285	2,350
Rest of the World										
Autocatalyst	320	295	380	455	425	365	525	705	740	760
Chemical	70	65	80	90	85	70	100	120	110	165
Electrical	100	135	160	130	115	95	130	130	85	110
Glass	145	180	235	165	195	90	145	350	90	85
Investment	5	0	5	5	5	10	5	45	30	810
Jewellery	105	110	80	75	65	75	95	125	155	175
Medical & Biomedical**	0	10	15	15	15	15	20	20	20	25
Petroleum	90	110	110	135	165	150	105	105	105	85
Other	30	15	25	20	20	20	30	45	60	65
Totals	865	920	1,090	1,090	1,090	890	1,155	1,645	1,395	2,280
Total Gross Demand	7,230	7,965	7,890	8,270	7,990	6,795	7,905	8,095	8,030	8,420

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

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

Platinum Supply and Demand

Tonnes	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Supply										
South Africa	155.8	159.1	164.7	157.7	140.4	144.2	144.2	151.2	127.2	128.1
Russia	26.3	27.7	28.6	28.5	25.1	24.4	25.7	26.0	24.9	24.3
North America	12.0	11.3	10.7	10.1	10.1	8.1	6.2	10.9	9.6	9.8
Zimbabwe *	-	4.8	5.1	5.3	5.6	7.2	8.7	10.6	10.6	12.4
Others	7.8	3.6	3.3	3.7	3.6	3.6	3.4	3.1	3.4	3.9
Total Supply	201.9	206.5	212.4	205.3	184.8	187.4	188.2	201.7	175.7	178.5
Demand by Application										
Autocatalyst	108.6	118.1	121.5	128.9	113.7	68.0	95.6	99.1	99.2	97.2
Chemical	10.1	10.1	12.3	13.1	12.4	9.0	13.7	14.6	14.0	16.8
Electrical	9.3	11.2	11.2	7.9	7.1	5.9	7.2	7.2	5.1	6.4
Glass	9.0	11.2	12.6	14.6	9.8	0.3	12.0	16.0	5.0	7.3
Investment	1.4	0.5	-1.2	5.3	17.3	20.5	20.4	14.3	14.2	23.8
Jewellery*	67.2	76.6	68.2	65.6	64.1	87.4	75.3	77.0	86.5	85.2
Medical & Biomedical**	-	7.7	7.8	7.2	7.6	7.8	7.2	7.2	7.3	7.3
Petroleum	4.7	5.4	5.6	6.5	7.5	6.5	5.3	6.5	6.4	4.8
Other	14.6	7.0	7.4	8.2	9.0	5.9	9.3	10.0	12.1	13.1
Total Gross Demand	198.1	247.8	245.4	257.3	248.5	211.3	245.9	251.8	249.8	261.9
Recycling										
Autocatalyst	-21.5	-24.0	-26.8	-29.1	-35.1	-25.8	-33.7	-38.6	-35.1	-39.7
Electrical	-	0.0	0.0	0.0	-0.2	-0.3	-0.3	-0.3	-0.6	-0.8
Jewellery	-	-15.5	-17.2	-20.4	-21.6	-17.6	-22.9	-25.2	-27.7	-24.1
Total Recycling	-21.5	-39.5	-44.0	-49.5	-56.9	-43.7	-56.9	-64.1	-63.5	-64.5
Total Net Demand	203.4	208.3	201.4	207.8	191.6	167.6	189.0	187.7	186.3	197.4
Movements in Stocks	-1.6	-1.8	11.0	-2.5	-6.8	19.8	-0.8	14.0	-10.6	-18.8

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	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Europe										
Autocatalyst	52.2	61.0	64.1	63.9	61.3	30.2	46.5	46.8	41.8	40.1
Chemical	3.6	3.1	3.1	3.4	3.3	2.2	3.4	3.7	3.4	3.3
Electrical	1.2	1.2	0.8	0.5	0.6	0.6	0.5	0.6	0.5	0.6
Glass	0.2	0.3	0.3	0.5	-0.8	0.2	0.3	0.9	0.2	0.5
Investment	0.0	0.0	0.0	6.1	3.3	12.0	4.4	4.8	4.2	-2.9
Jewellery	6.1	6.0	6.1	6.1	6.4	5.8	5.4	5.4	5.6	6.5
Medical & Biomedical**	-	3.4	3.4	3.4	3.6	3.6	2.8	2.8	2.8	2.8
Petroleum	0.5	0.5	0.6	0.8	0.9	0.8	0.6	1.1	0.6	0.5
Other	5.9	2.0	2.0	2.3	2.6	1.7	3.1	3.0	3.5	3.8
Totals	65.2	77.5	80.4	87.0	81.2	56.9	67.0	69.2	62.7	55.1
Japan										
Autocatalyst	19.1	18.7	18.8	19.0	19.0	12.3	17.1	15.6	18.7	18.0
Chemical	1.2	1.6	1.6	1.7	1.7	1.4	1.6	1.1	1.1	1.3
Electrical	1.6	2.0	1.7	1.1	1.1	0.9	0.9	0.8	0.6	0.8
Glass	2.8	3.0	3.1	2.6	2.0	1.2	2.8	4.0	0.3	-0.8
Investment	0.5	-0.5	-2.0	-1.9	12.0	5.0	1.4	7.8	3.1	-2.2
Jewellery	17.4	20.8	18.2	16.8	16.5	10.4	10.1	9.6	9.6	9.3
Medical & Biomedical**	-	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6
Petroleum	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
Other	1.2	0.8	0.7	0.9	0.8	0.5	1.2	1.2	1.9	2.0
Totals	42.3	47.2	42.9	40.9	54.0	32.7	35.9	40.9	36.1	29.2
North America										
Autocatalyst	24.8	25.5	22.0	26.4	15.7	11.5	12.6	11.5	12.4	11.7
Chemical	2.8	3.1	3.1	3.0	3.0	2.0	3.1	3.0	3.3	3.1
Electrical	2.8	3.0	2.3	1.7	0.9	0.8	0.8	0.8	0.6	0.6
Glass	-0.3	0.2	0.3	0.8	-0.2	-1.1	0.3	-0.2	0.3	0.3
Investment	0.8	0.8	0.6	0.9	1.9	3.3	14.5	0.3	5.9	3.7
Jewellery	9.0	8.9	8.4	7.0	6.2	4.2	5.4	5.8	5.8	6.4
Medical & Biomedical**	-	3.4	3.3	2.5	2.6	2.8	2.8	2.8	2.8	2.6
Petroleum	1.1	1.1	1.1	1.0	0.8	0.5	0.8	1.6	1.8	1.2
Other	6.4	3.4	3.7	4.2	4.7	2.8	3.3	3.4	3.6	3.9
Totals	33.9	49.4	44.8	47.5	35.6	26.7	43.5	28.9	36.5	33.6
China										
Autocatalyst	2.3	3.7	4.8	5.4	4.5	2.6	3.1	3.3	3.3	3.7
Chemical	0.0	0.3	2.0	2.2	1.9	1.2	2.5	3.1	2.8	4.0
Electrical	0.3	0.8	1.4	0.6	0.9	0.6	0.9	0.9	0.8	0.9
Glass	0.6	2.2	1.6	5.6	2.6	-2.8	4.0	0.3	1.4	4.7
Investment	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jewellery	31.4	37.5	33.0	33.3	33.0	64.7	51.3	52.3	60.7	57.6
Medical & Biomedical**	-	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.5	0.5
Petroleum	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.3
Other	0.2	0.3	0.3	0.2	0.3	0.3	0.8	0.9	1.2	1.4
Totals	36.9	45.2	43.4	47.9	43.9	67.3	63.5	61.6	71.1	73.1
Rest of the World										
Autocatalyst	10.0	9.2	11.8	14.2	13.2	11.4	16.3	21.9	23.0	23.6
Chemical	2.2	2.0	2.5	2.8	2.6	2.2	3.1	3.7	3.4	5.1
Electrical	3.1	4.2	5.0	4.0	3.6	3.0	4.0	4.0	2.6	3.5
Glass	4.5	5.5	7.3	5.1	6.1	2.8	4.5	10.9	2.8	2.6
Investment	0.2	0.0	0.2	0.2	0.2	0.3	0.2	1.4	1.0	25.2
Jewellery	3.3	3.4	2.5	2.4	2.0	2.3	3.0	3.9	4.8	5.4
Medical & Biomedical**	-	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8
Petroleum	2.8	3.4	3.4	4.2	5.1	4.7	3.3	3.3	3.3	2.6
Other	0.8	0.5	0.7	0.6	0.6	0.6	0.9	1.4	1.9	2.0
Totals	25.2	28.5	33.9	34.0	33.9	27.7	35.9	51.2	43.4	70.9
Total Gross Demand	198.1	247.8	245.4	257.2	248.5	211.3	245.9	251.8	249.8	261.9

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"