

# Materials we refine

Material		Pt	Pd	Rh	Ir	Ru	Au	Ag	Comments
Environmental catalysts	End of life autocatalysts	•	•	•					Pre-processed ceramic, metallic, silicon carbide
	Production residues	•	•	•					Obsolete / reject stock
	Stationary catalyst	•	•	•					Ceramic blocks
	Production / warranty catalysts	•	•	•					
Chemical	Catalysts intermediates	•	•	•	•	•	•		
	Process catalyst	•	•	•	•	•	•		
	Solutions	•	•	•	•	•	•		Distillation residues
	Production residues	•	•	•	•	•	•		Wipes, filter cloths
Dental	Manufacturing and alloy scrap	•	•		•				Crowns and alloy scrap
	Production residues	•	•		•		•	•	Floor sweeps, grindings or other residues
Electronics	Capacitors	•	•			•	•		
	Targets	•				•			Pure, mixed, residues and sludge
	Sand blast and cleandown residues	•				•			
Fuel cells	Electrodes	•							End of life electrodes
	MEAs	•				•			End of life MEAs
	Production residues	•				•			Floor sweeps and spent catalysts
Jewelry	End of life scrap	•	•	•	•	•			Rings, chains, rods, ingots
	Watch cases	•	•	•	•	•			Case and strap alloys
	Production residues	•	•	•	•	•			Floor sweeps, grindings and residues
Glass	Pgm alloys	•	•	•	•	•			
	Crucibles	•			•				
	Thermocouples	•		•	•				
	Refractory brick	•	•	•	•	•			
	Mirroring residues		•						
Petrochemical	Reforming catalyst	•	•						Free flowing pellets, extrudate, spheres
	Catalyst residues	•	•						Fines
Mining	Pre-processed pgm concentrate	•	•	•	•	•	•	•	
	Residues	•	•	•	•	•	•	•	Reverted process residues
Precious metal refiners	Down stream process concentrate	•	•	•	•	•	•	•	
Base metal refiners	Down stream process concentrate	•	•	•	•	•	•	•	
Refiners, semi refiners and collectors	Reverted process residues	•	•	•	•	•	•	•	
	Upgraded residues / bullion	•	•	•	•	•			
Minting	Blanks	•	•	•	•	•			Offcuts, rejects
	Pgm residues	•	•	•	•	•			Floor sweeps, grindings or other residues
Nitric acid manufacture	Pgm alloys	•	•	•					
	Clean down residues	•	•	•					Pgm recovery from end of life equipment
Plating	Ion exchange resins / Smopex	•	•	•	•	•			
	Pgm scrap	•	•	•					
	Flake / bullion	•	•	•					