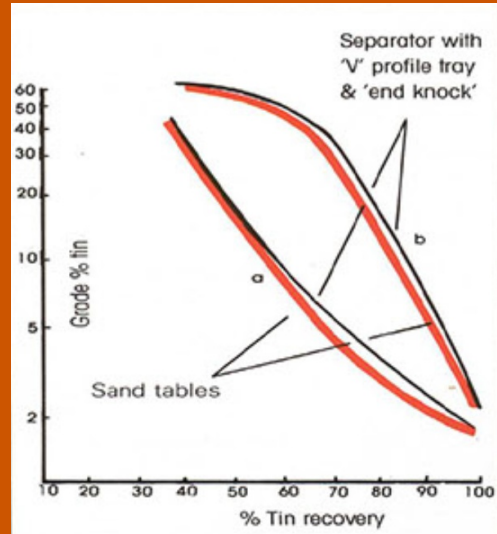




C800 Analytical Table

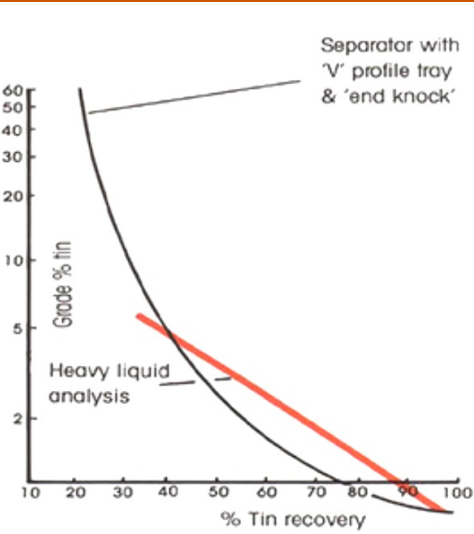
The Laboratory Table or "Super Panner" is an invaluable tool for metallurgists, mineralogists and mill operators analysing mineral separation. It quickly and efficiently separates mineral grains of close specific gravity

Grade versus Recovery Analysis - Interpretation of test data may be carried out visually, microscopically or by assay analysis of the separated samples. If a complete grade versus recovery evaluation is required, a series of consecutive samples are collected during the separation. At the completion of the run of the product remaining on the tray is then divided into middlings and concentrate to be collected separately. All samples are dried, weighed and the grade versus recovery curve plotted



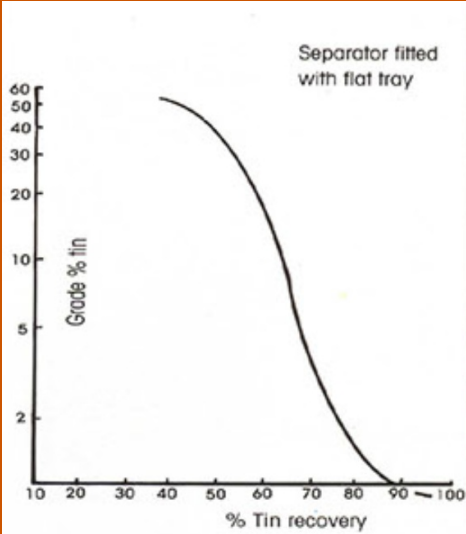
SIZE ANALYSIS		
size microns	% weight	
	a	b
+300	7.4	63.8
-300+100	83.3	33.9
-100	9.3	2.3

Slimes product from Tin plant



SIZE ANALYSIS		
size microns	% weight	
+300	19.0	
-300+100	80.0	
-100	1.0	

Slimes product from Tin plant

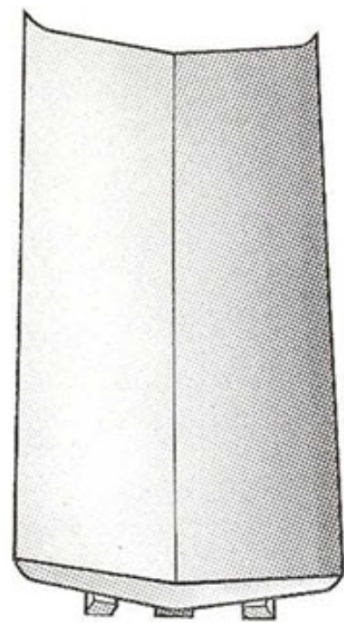


SIZE ANALYSIS		
size microns	% weight	
+100	9.2	
-100+45	38.8	
-45	52.0	

Slimes product from Tin plant

Typical separation of a coarse sample on "V" profile tray - a 50-100g sample is placed on the tray and wetted. The cyclic motion mobilises the mineral particles enabling stratification to take place. The heavy (usually valuable) mineral settles and is "thrown" upstream by the "end knock" action. The lighter (usually gangue) mineral is carried downstream by the flow of irrigation water to discharge via the tailings launder

For separation of 100 to 2mm size range



Sample in slurry form placed on tray



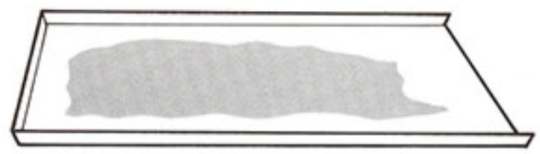
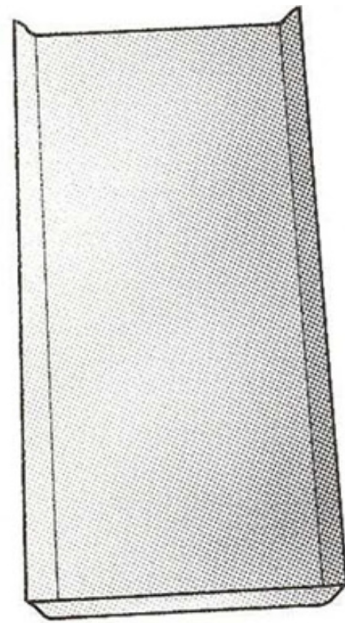
Partial separation after a few minutes



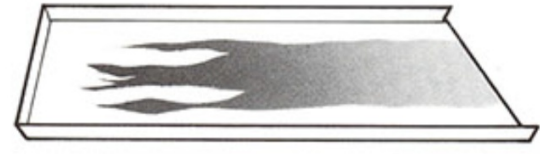
Complete separation after several minutes

Typical separation of a fine sample on a flat tray (without knock) - a 100g sample is dispersed in a beaker of water and poured onto the tray. The cyclic motion mobilises the mineral particles which spread out into a thin layer. Stratification occurs enabling heavy (usually valuable) mineral to sink to the tray surface and be retained. The lighter (usually gangue) mineral is carried downstream by the flow of irrigation water to discharge via the tailings launder

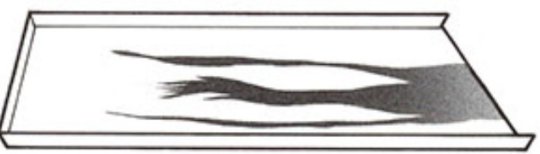
For separation of 10-100 micron samples



Sample in slurry form placed on tray



Partial separation after a few minutes



Complete separation after several minutes

Laboratory testing of a fine free gold sample ahead of MGS scoping tests





C800 Analytical Table specifications

Feed Particle size range	10 micron-2 mm
Unpacked dimensions	1,400*850*1,200 mm
Gross Packed weight	180 Kg
Nett weight	165 Kg
Electrical standard	IP66 with centrally mounted control panel
Power requirements	Single phase 220V 60Hz - other options available
Table Drive Electric Motor	0.18 kw variable speed
Drive System	Direct Gearbox
Shake Frequency	2-6 Hz infinitely variable
Shake Amplitude - "V" Tray	63mm
Shake Amplitude - Flat Tray	63mm Standard, 75mm, 90mm & 100mm optional
Tilt Angle	Adjustable
Wash Water	0.5- 5 litres/min (free of solids)
Construction materials	
Frames	Powder Coated Steel
Wetted Surfaces & Trays	316 Stainless Steel