

Table 6.4.2 I: Cost Comparison of Hard Chromium Electroplating and Nanocrystalline Coating Processes (McCrea et al. 2003)

Plating Process	Nominal Plating Efficiency	Consumables	Relative Plating Cost (by weight)	Relative Power Cost (by weight)	Total Relative Process Cost
Chrome(VI)	25	Cr ₂ O ₃	1.00	1.00	1.00
Nano Co	>90	Co	1.83	0.08	1.09
Nano Co-3%P	>90	Co, H ₃ PO ₃	2.21	0.08	1.31